

Incident ID	NGRL 0936542434
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.

State of New Mexico
Oil Conservation Division

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

Printed Name: Dale Woodall Title: Environmental ProfessionalSignature: Dale Woodall Date: 6/2/2023email: dale.woodall@dv.com Telephone: 575-748-1839**OCD Only**Received by: Jocelyn Harimon Date: 06/05/2023

Incident ID	NGRL 0936542434
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Application ID	

Closure

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

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

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

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

Printed Name: Dale Woodall Title: Environmental Professional
Signature: Dale Woodall Date: 6/2/2023
email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: Jocelyn Harimon Date: 06/05/2023

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: Nelson Velez Date: 09/20/2023
Printed Name: Nelson Velez Title: Environmental Specialist - Adv

Since the site has been plugged, abandoned, & the site has been released by OCD, we (OCD) will accept the laboratory analyses presented based on the duration the release occurred, although the operator did not adhere to 19.15.29.12D (1a) NMAC for final sampling. Closure Report Approved; Release Resolved.



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

June 2nd, 2023

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

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

Re: Site Assessment, Remediation, and Closure Report
WEST CORBIN 19 FEDERAL #001
API No. 30-025-33468
GPS: Latitude 32.7382889 Longitude -103.7090836
UL -- D, Sec. 19, T18S, R33E
Lea County, NM
NMOCD Ref. No. NGRL0936542434

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, remediation activities, and submit this closure report for a crude oil release that occurred at the West Corbin 19 Federal #001 (West Corbin). The initial C-141 was submitted on November 16th, 2009 (Appendix C). This incident was assigned Incident ID NGRL0936542434 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The West Corbin is located approximately nine (9) miles southeast of Maljamar, NM. This spill site is in Unit D, Section 19, Township 18S, Range 33E, Latitude 32.7382889 Longitude -103.7090836, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the eolian and piedmont deposits (Holocene to middle Pleistocene). The soil in this area is made up of Kermit-Palomas fine sands, 0 to 12 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 in the area of the West Corbin (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 35 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is greater than 40.27 feet BGS. The closest waterway is an unnamed salt playa, located approximately 10.19 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

NGRL0936542434: On November 11th, 2009, a one-inch hole developed on the bottom of a 500-barrel steel oil tank resulting in a spill. A vacuum truck was called and recovered the oil from the ground. All oil was contained within the dyke area.

Remediation Activities, Site Assessment, and Soil Sampling Results

On May 16th, 2023, Pima Environmental mobilized personnel to assess the impacted area. Upon arriving at the location Pima discovered the engineered pad had been reclaimed. Pima collected a total of thirty-two soil samples for laboratory analysis. Twelve bottom samples (S1-S12) were collected at depths of 1 and 4 feet to determine vertical delineation. Additionally, side wall samples (SW1-SW8) were collected at a depth of 6 inches to determine horizontal delineation. An initial site map can be found in Figure 4.

5-16-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY -WEST CORBIN 19 FEDERAL #001								
Sample Date: 5/16/2023		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
S-1	1'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-3	1'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-4	1'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-5	1'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-6	1'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-7	1'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-8	1'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-9	1'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-10	1'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-11	1'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-12	1'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW 1	0-6"	ND	ND	ND	ND	ND	0	ND
SW 2	0-6"	ND	ND	ND	ND	ND	0	ND
SW 3	0-6"	ND	ND	ND	ND	ND	0	ND
SW 4	0-6"	ND	ND	ND	ND	ND	0	ND
SW 5	0-6"	ND	ND	ND	ND	ND	0	ND
SW 6	0-6"	ND	ND	ND	ND	ND	0	ND
SW 7	0-6"	ND	ND	ND	ND	ND	0	ND
SW 8	0-6"	ND	ND	ND	ND	ND	0	ND

ND: Analyte Non-Detect

Based on the sample results, the bottoms and sidewalls are below NMOCD Closure Criteria 19.15.29 NMAC. See Appendix D for Photographic Documentation.

Closure Request

Due to analytical levels falling below NMOCD closure criteria, no further action is required.

After careful review, Pima requests that this incident, NGRL0936542434, be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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

Respectfully,

Sebastian Orozco

Sebastian Orozco
Environmental Professional
Pima Environment Services, LLC

Attachments

Figures:

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

Appendices:

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



Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map



3-Karst Map

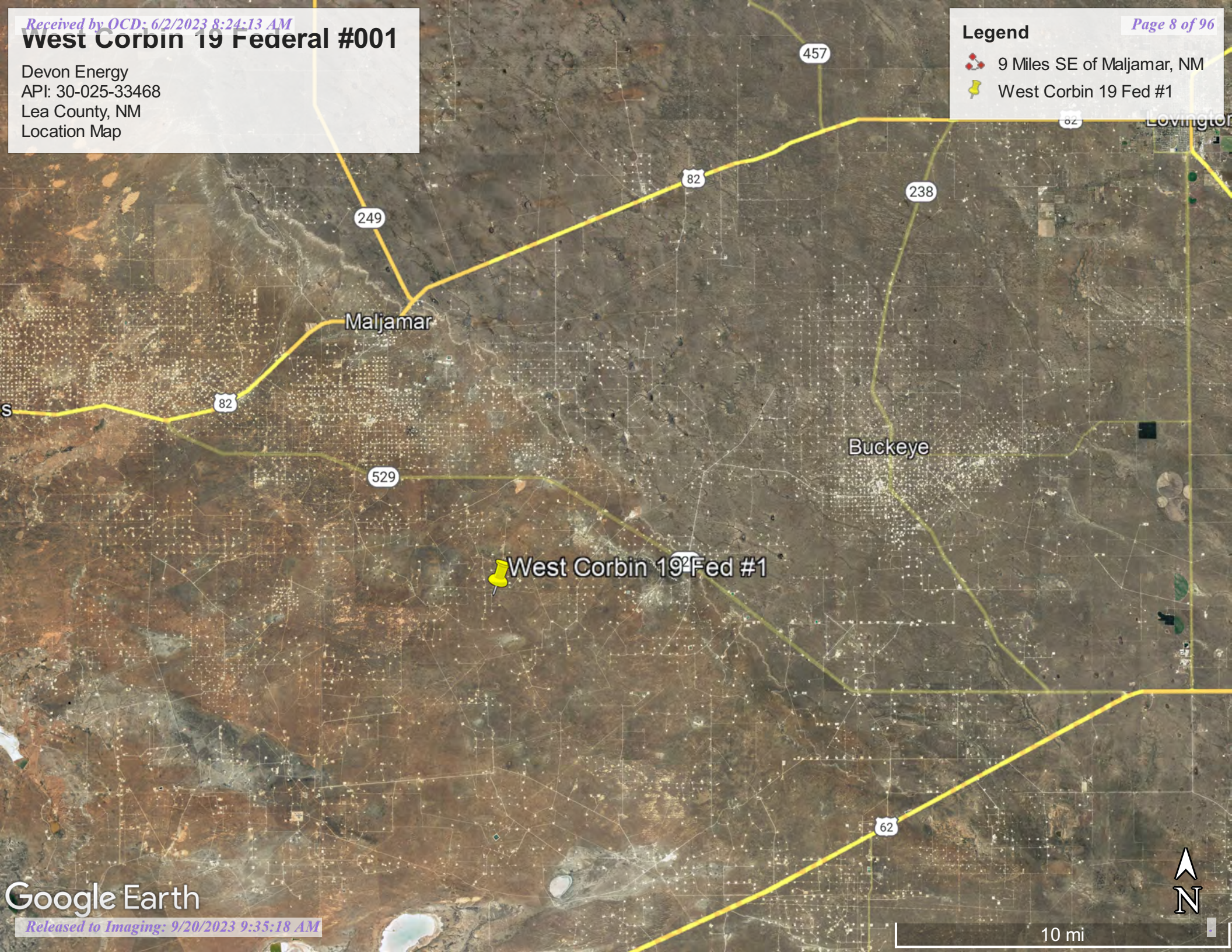
4-Initial Site Map

West Corbin 19 Federal #001

Devon Energy
API: 30-025-33468
Lea County, NM
Location Map

Legend

-  9 Miles SE of Maljamar, NM
-  West Corbin 19 Fed #1




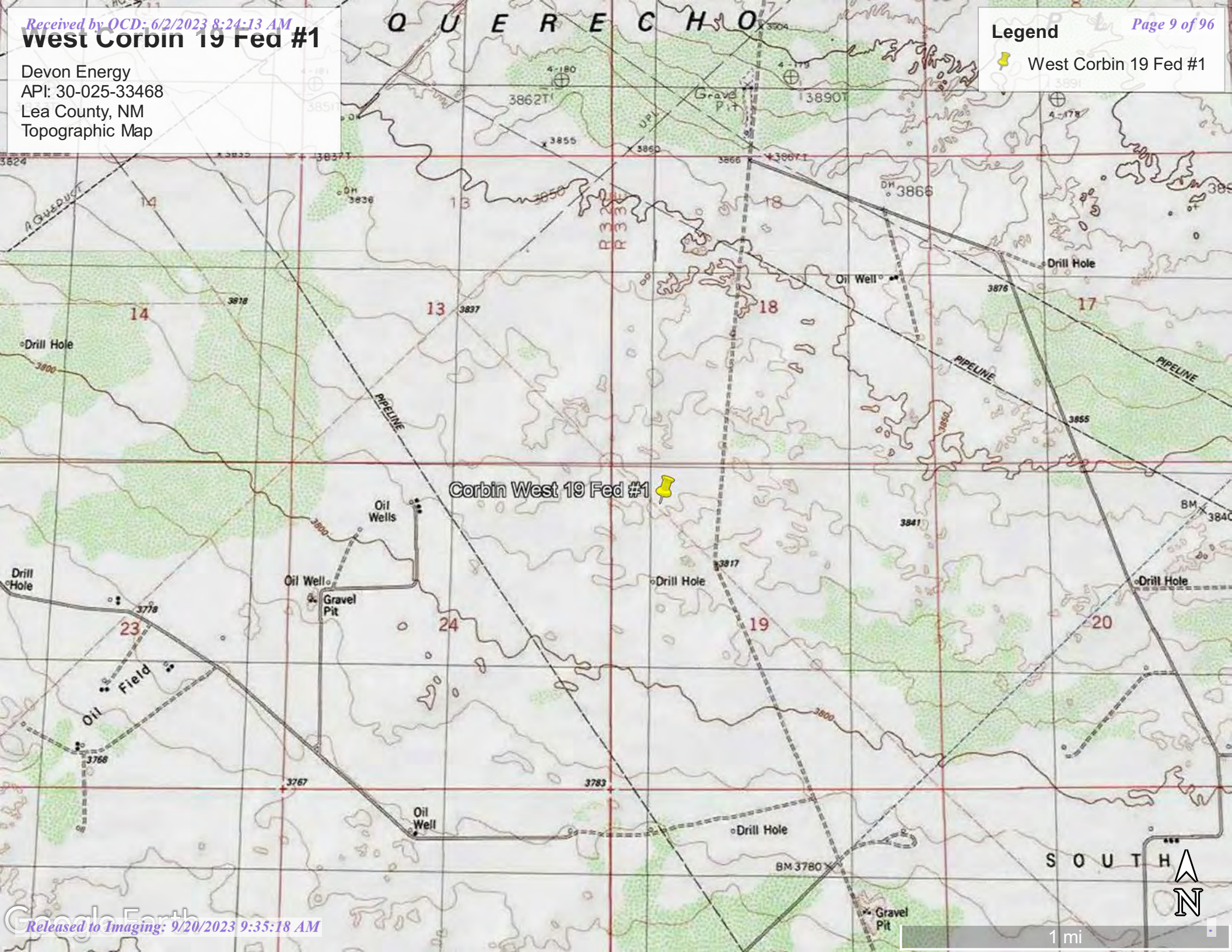
Google Earth

10 mi

Devon Energy
API: 30-025-33468
Lea County, NM
Topographic Map

Legend


 West Corbin 19 Fed #1



West Corbin 19 Fed #1

Devon Energy
API: 30-025-33468
Lea County, NM
Karst Map

Legend

 West Corbin 19 Fed #1



Loco Hills

Maljamar

Corbin West 19 Fed #1



WEST CORBIN 19 FEDERAL #001

Devon Energy
NGRL0936542434
32.7382889,-103.7090836
Lea County, NM
Initial Site Map

Legend

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- Bottom Sample
- Reclaimed Pad
- Side Wall Sample





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Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tw	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
L 03454		L	LE	2	2	30	18S	33E		622200	3621422*	1985	100	35	65
CP 00677		CP	LE	1	1	26	18S	32E		617750	3621373*	3624	700		
L 06131		L	LE	3	1	2	08	18S	33E	623241	3626167*	3887	194	100	94
CP 00813 POD1		CP	LE	1	33	18S	33E			624441	3619644*	4810	300		

Average Depth to Water: **67 feet**

Minimum Depth: **35 feet**

Maximum Depth: **100 feet**

Record Count: 4

UTM NAD83 Radius Search (in meters):

Easting (X): 620990.87

Northing (Y): 3622996.77

Radius: 5000

*UTM location was derived from PLSS - see Help

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

2/20/23 2:23 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



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National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater




Geographic Area:

United States



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- [Full News](#) 

Groundwater levels for the Nation



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

Search Results -- 1 sites found

site_no list =

- 324502103381802

Minimum number of levels = 1

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

USGS 324502103381802 18S.33E.14.11140

Available data for this site

Groundwater: Field measurements



GO

Lea County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°45'13", Longitude 103°38'25" NAD27

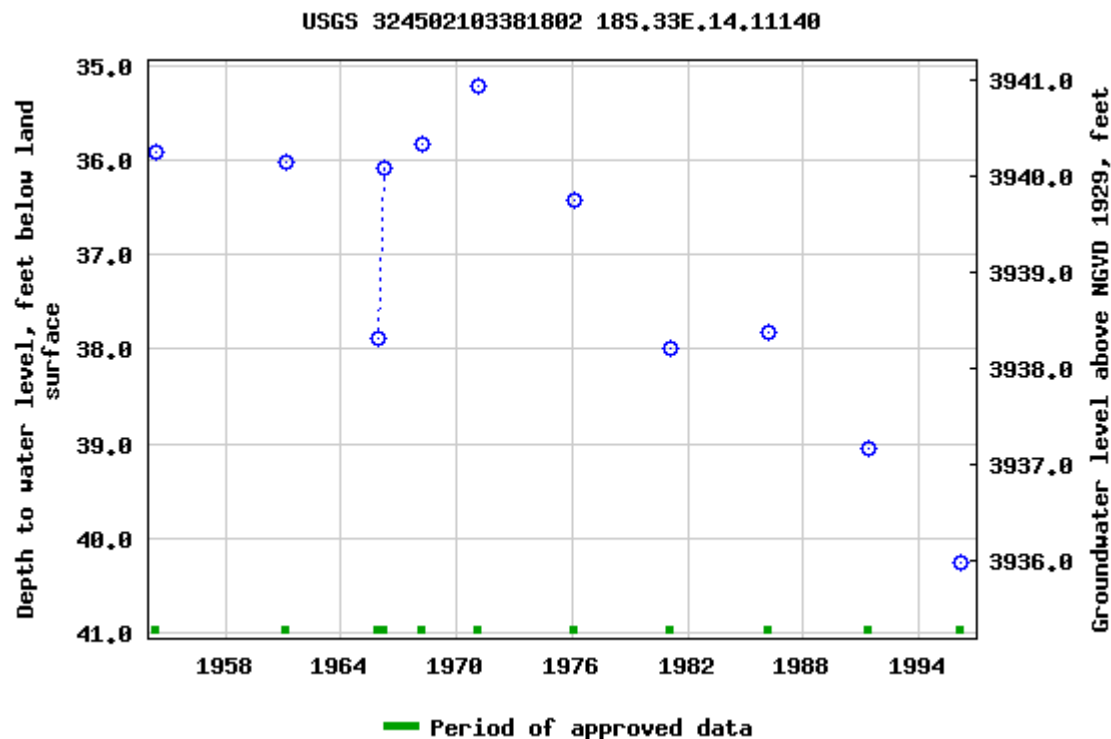
Land-surface elevation 3,976.20 feet above NGVD29

The depth of the well is 46 feet below land surface.

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

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) 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: 2023-02-20 16:20:44 EST

0.58 0.48 nadww02



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National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

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- [Full News](#) 

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 324541103383901

Minimum number of levels = 1

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

USGS 324541103383901 18S.33E.10.23244

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°45'52", Longitude 103°38'49" NAD27

Land-surface elevation 4,003.10 feet above NGVD29

The depth of the well is 70 feet below land surface.

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

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

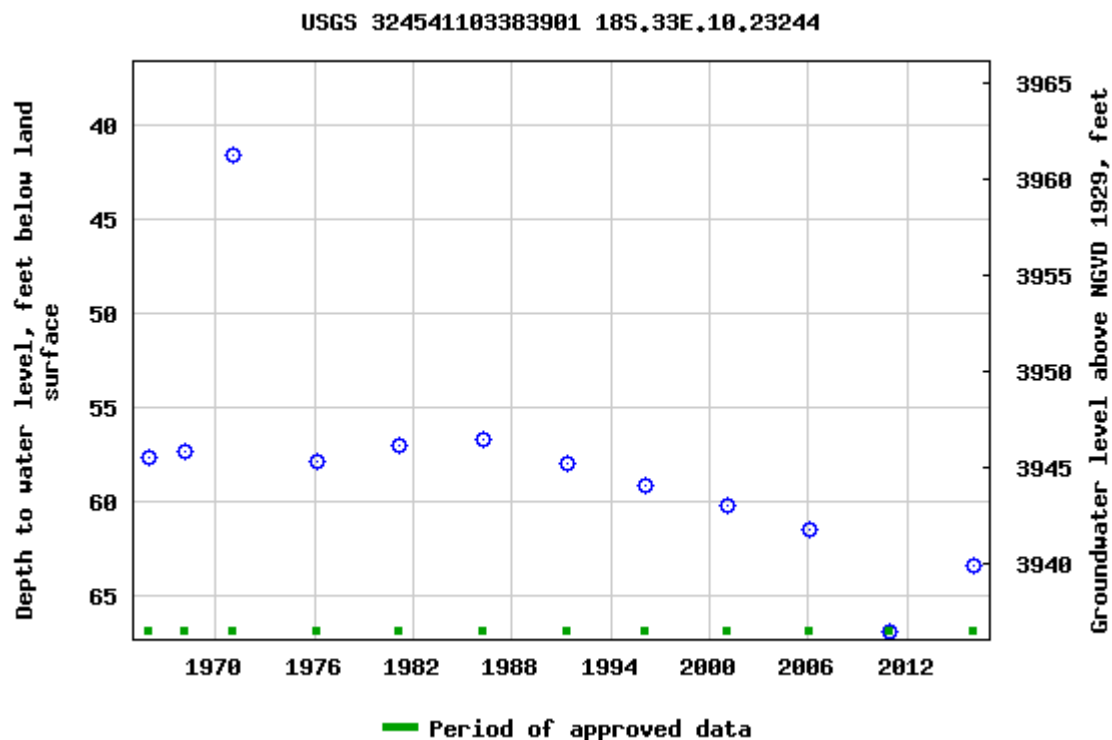
Output formats

[Table of data](#)

[Tab-separated data](#)

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[Reselect period](#)



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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: 2023-02-20 16:21:28 EST


0.56 0.46 nadww02




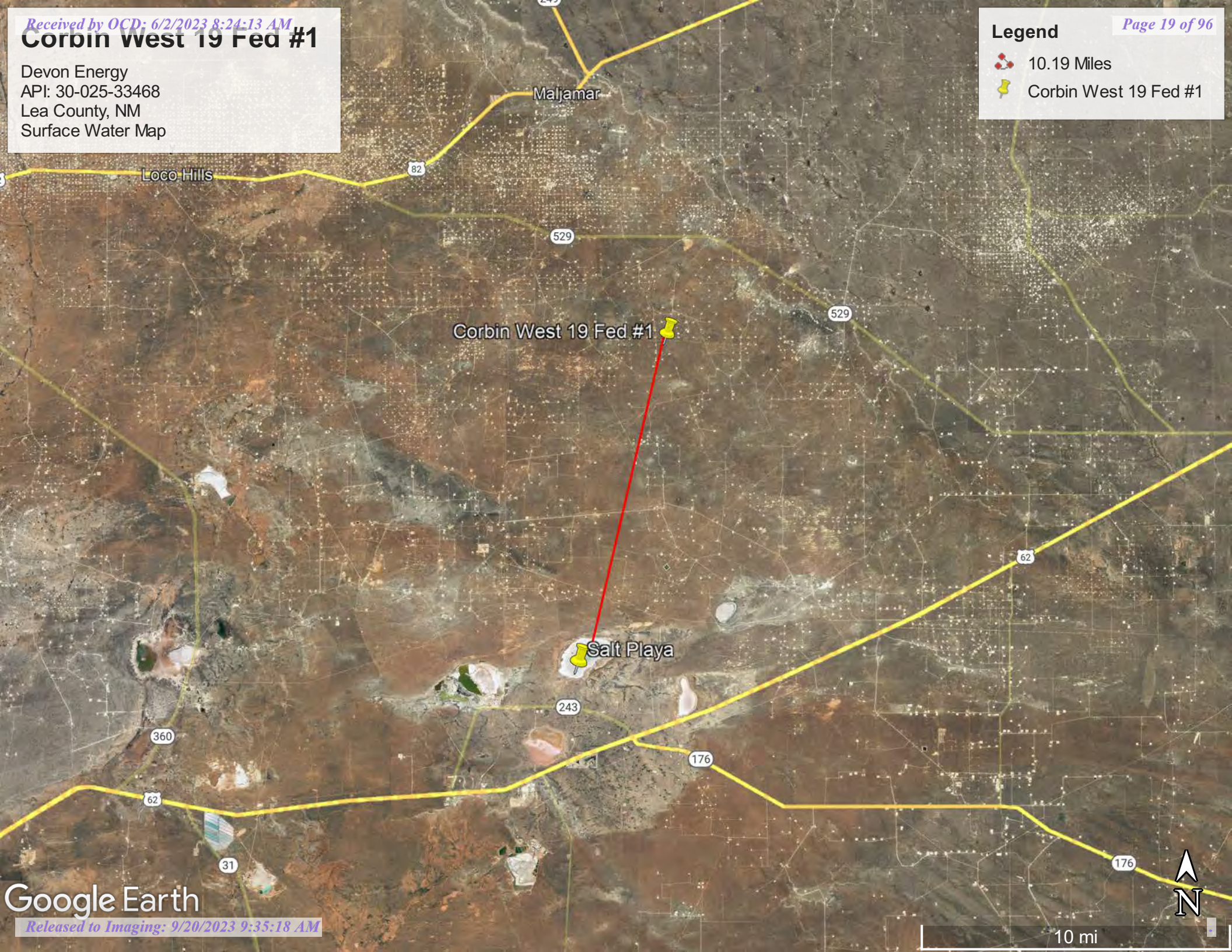
Devon Energy
API: 30-025-33468
Lea County, NM
Surface Water Map

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Legend

 10.19 Miles

 Corbin West 19 Fed #1





Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Kermit-Palomas fine sands, 0 to 12 percent slopes---Lea County, New Mexico

Lea County, New Mexico

KD—Kermit-Palomas fine sands, 0 to 12 percent slopes

Map Unit Setting

National map unit symbol: dmpv

Elevation: 3,000 to 4,400 feet

Mean annual precipitation: 10 to 12 inches

Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 70 percent

Palomas and similar soils: 20 percent

Minor components: 10 percent

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

Description of Kermit

Setting

Landform: Dunes

Landform position (two-dimensional): Shoulder, backslope, footslope

Landform position (three-dimensional): Side slope

Down-slope shape: Concave, linear, convex

Across-slope shape: Convex

Parent material: Calcareous sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: fine sand

C - 8 to 60 inches: fine sand

Properties and qualities

Slope: 3 to 12 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Excessively drained

Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Map Unit Description: Kermit-Palomas fine sands, 0 to 12 percent slopes---Lea County, New Mexico

Hydrologic Soil Group: A
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

Description of Palomas

Setting

Landform: Dunes
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear, concave
Across-slope shape: Convex
Parent material: Alluvium derived from sandstone

Typical profile

A - 0 to 16 inches: fine sand
Bt - 16 to 60 inches: sandy clay loam
Bk - 60 to 66 inches: sandy loam

Properties and qualities

Slope: 0 to 5 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: 50 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Moderate (about 7.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Pyote

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

Maljamar

Percent of map unit: 4 percent

Map Unit Description: Kermit-Palomas fine sands, 0 to 12 percent slopes---Lea County, New Mexico

Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Palomas

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

Dune land

Percent of map unit: 1 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 19, Sep 8, 2022

National Flood Hazard Layer FIRMette



103°42'50"W 32°44'32"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
OTHER AREAS		Effective LOMRs
		Area of Undetermined Flood Hazard <i>Zone D</i>
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance 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.

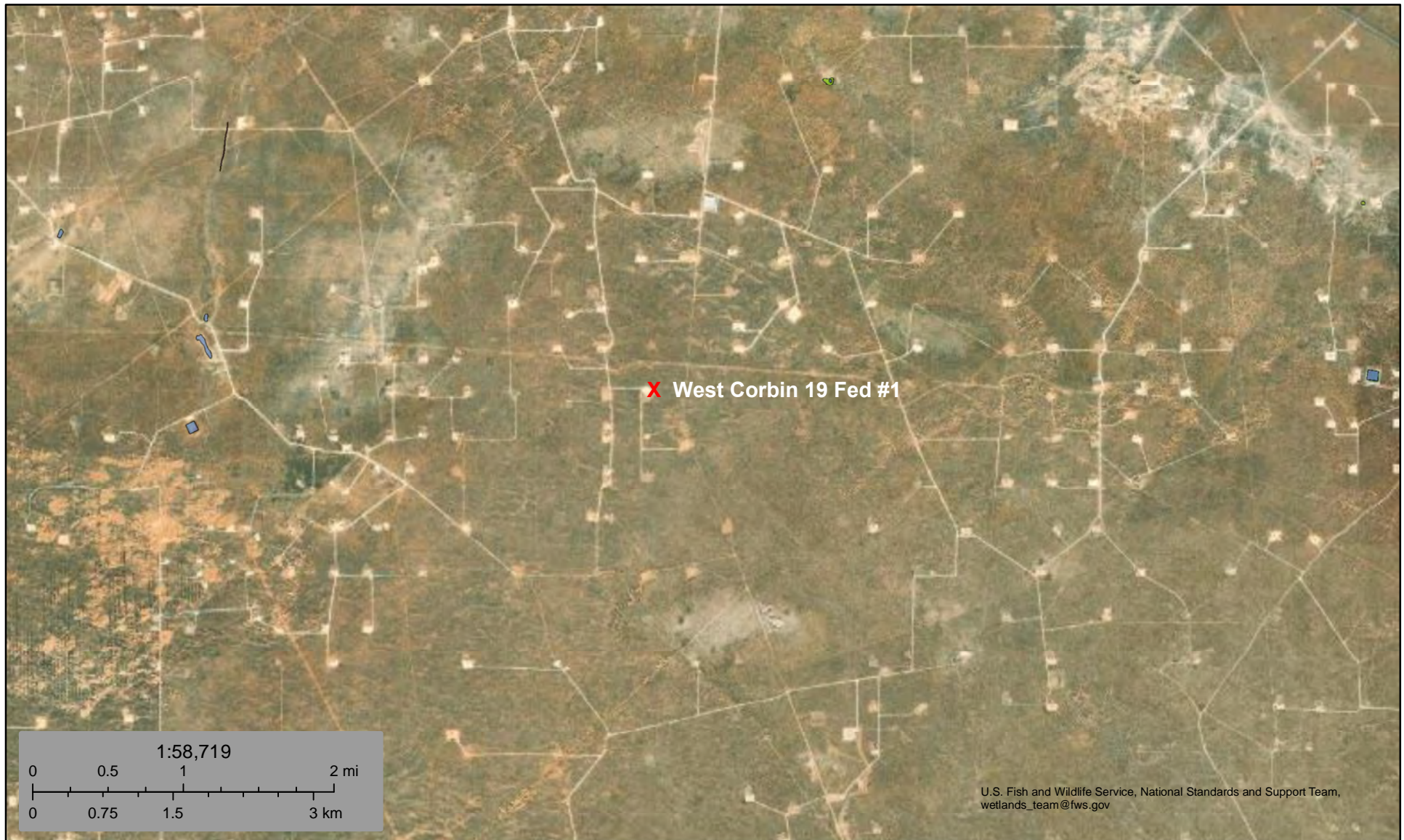
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **2/20/2023 at 4:24 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



February 20, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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



Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88201
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr., Santa Fe, NM 87505

RECEIVED

NOV 19 2009

HOBBSOCD

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised March 17, 1999

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

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

Name of Company Devon Energy	Contact <input type="checkbox"/> Roger Hernandez
Address P. O. Box 250 Artesia, NM 88211	Telephone No. <input type="checkbox"/> 575-748-5238
Facility Name Corbin West 19 Fed #1	Facility Type <input type="checkbox"/> Oil Well
Surface Owner <u>FEDERAL</u>	Mineral Owner
Lease No. <input type="checkbox"/>	

LOCATION OF RELEASE

API # 30.025.33468.00.00

Unit Letter <u>D</u>	Section 19	Township 18S	Range 33E	Feet from the 660	North/South Line North	Feet from the 660	East/West Line West	County Lea County, NM
-------------------------	---------------	-----------------	--------------	----------------------	---------------------------	----------------------	------------------------	--------------------------

NATURE OF RELEASE

Type of Release Oil	Volume of Release 16 BO	Volume Recovered <input type="checkbox"/> 11 BO
Source of Release 500 bbl. Steel oil tank	Date and Hour of Occurrence November 11, 2009 2:00 PM	Date and Hour of Discovery <input type="checkbox"/> November 11, 2009 2:00 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? BLM - Hobbs Office Trisha BadBear	
By Whom? <input type="checkbox"/> Ernie Duran	Date and Hour <input type="checkbox"/> November 12, 2009 8:00 AM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully *

N/A

Describe Cause of Problem and Remedial Action Taken.*

1" hole developed approximately 3" from bottom of 500 bbl. Steel oil tank resulting in the spill. Vacuum truck was called immediately and oil was transferred to the other oil tank on location and it picked up the oil spilled on the ground. Oil was contained in the dyke area.

Describe Area Affected and Cleanup Action Taken.*

Area affected was approximately 30'x20', area will be raked, tilled, and fertilized.

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

<i>Adrienne Verkler for Roger Hernandez</i>		OIL CONSERVATION DIVISION	
Printed Name: Adrienne Verkler for Roger Hernandez		Approved by <input checked="" type="checkbox"/> ENV. ENGINEER District Supervisor: <i>Heaffery Lanning</i>	
Title: Roger Hernandez; Production Foreman		Approval Date: 12/31/09	Expiration Date: 03/04/10
Date: November 16, 2009 Phone: 575-748-5238		Conditions of Approval: <u>DELINATE TO</u> CLEAN + 1. SUBMIT FINAL C-141 BY 03/04/10	
* Attach Additional Sheets If Necessary		Attached <input type="checkbox"/>	

I.R.P.-09-12-2374

F GIRL 0936541657

Incident ID	NGRL 0936542434
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.

State of New Mexico
Oil Conservation Division

Incident ID	NGRL 0936542434
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: 6/2/2023

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

OCD Only

Received by: _____ Date: _____

Incident ID	NGRL 0936542434
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 6/2/2023

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

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Pima Environmental Services

Appendix D

Photographic Documentation



SITE PHOTOGRAPHS
DEVON ENERGY
West Corbin 19 Federal #001

Site Assessment







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: Corbin West 19 Fed. #1

Work Order: E305119

Job Number: 01058-0007

Received: 5/19/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/25/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 5/25/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Corbin West 19 Fed. #1
Workorder: E305119
Date Received: 5/19/2023 8:20:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/19/2023 8:20:00AM, under the Project Name: Corbin West 19 Fed. #1.

The analytical test results summarized in this report with the Project Name: Corbin West 19 Fed. #1 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:	Corbin West 19 Fed. #1	Reported: 05/25/23 14:38
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
S11 -1'	E305119-01A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S11 - 4'	E305119-02A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S12 - 1'	E305119-03A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S12 - 4'	E305119-04A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
SW1	E305119-05A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
SW2	E305119-06A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
SW3	E305119-07A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
SW4	E305119-08A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
SW5	E305119-09A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
SW6	E305119-10A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
SW7	E305119-11A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
SW8	E305119-12A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/25/2023 2:38:55PM

S11 -1'

E305119-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320096
Benzene	ND	0.0250	1	05/19/23	05/22/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/22/23	
Toluene	ND	0.0250	1	05/19/23	05/22/23	
o-Xylene	ND	0.0250	1	05/19/23	05/22/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/22/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/22/23	
Surrogate: 4-Bromochlorobenzene-PID	98.9 %	70-130		05/19/23	05/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/22/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.9 %	70-130		05/19/23	05/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
Surrogate: n-Nonane	88.0 %	50-200		05/23/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321005
Chloride	ND	20.0	1	05/22/23	05/22/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/25/2023 2:38:55PM

S11 - 4'

E305119-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320096
Benzene	ND	0.0250	1	05/19/23	05/22/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/22/23	
Toluene	ND	0.0250	1	05/19/23	05/22/23	
o-Xylene	ND	0.0250	1	05/19/23	05/22/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/22/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		05/19/23	05/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.7 %	70-130		05/19/23	05/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
	91.1 %	50-200		05/23/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321005
Chloride	ND	20.0	1	05/22/23	05/22/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/25/2023 2:38:55PM

S12 - 1'

E305119-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320096
Benzene	ND	0.0250	1	05/19/23	05/22/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/22/23	
Toluene	ND	0.0250	1	05/19/23	05/22/23	
o-Xylene	ND	0.0250	1	05/19/23	05/22/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/22/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.7 %	70-130		05/19/23	05/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.9 %	70-130		05/19/23	05/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
	90.8 %	50-200		05/23/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321005
Chloride	ND	20.0	1	05/22/23	05/22/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/25/2023 2:38:55PM

S12 - 4'

E305119-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320096
Benzene	ND	0.0250	1	05/19/23	05/22/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/22/23	
Toluene	ND	0.0250	1	05/19/23	05/22/23	
o-Xylene	ND	0.0250	1	05/19/23	05/22/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/22/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		05/19/23	05/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.7 %	70-130		05/19/23	05/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
	88.4 %	50-200		05/23/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321005
Chloride	ND	20.0	1	05/22/23	05/22/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/25/2023 2:38:55PM

SW1

E305119-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320096
Benzene	ND	0.0250	1	05/19/23	05/22/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/22/23	
Toluene	ND	0.0250	1	05/19/23	05/22/23	
o-Xylene	ND	0.0250	1	05/19/23	05/22/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/22/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.7 %	70-130		05/19/23	05/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.1 %	70-130		05/19/23	05/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
	91.8 %	50-200		05/23/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321005
Chloride	ND	20.0	1	05/22/23	05/22/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/25/2023 2:38:55PM

SW2

E305119-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320096
Benzene	ND	0.0250	1	05/19/23	05/22/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/22/23	
Toluene	ND	0.0250	1	05/19/23	05/22/23	
o-Xylene	ND	0.0250	1	05/19/23	05/22/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/22/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		05/19/23	05/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.1 %	70-130		05/19/23	05/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
	96.0 %	50-200		05/23/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321005
Chloride	ND	20.0	1	05/22/23	05/22/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/25/2023 2:38:55PM

SW3

E305119-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2320096	
Benzene	ND	0.0250	1	05/19/23	05/22/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/22/23	
Toluene	ND	0.0250	1	05/19/23	05/22/23	
o-Xylene	ND	0.0250	1	05/19/23	05/22/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/22/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.7 %	70-130		05/19/23	05/22/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2320096	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	86.0 %	70-130		05/19/23	05/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2321041	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>	87.8 %	50-200		05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2321005	
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/25/2023 2:38:55PM

SW4

E305119-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320096
Benzene	ND	0.0250	1	05/19/23	05/22/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/22/23	
Toluene	ND	0.0250	1	05/19/23	05/22/23	
o-Xylene	ND	0.0250	1	05/19/23	05/22/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/22/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		05/19/23	05/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.6 %	70-130		05/19/23	05/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
	89.5 %	50-200		05/23/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321005
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/25/2023 2:38:55PM

SW5

E305119-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320096
Benzene	ND	0.0250	1	05/19/23	05/22/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/22/23	
Toluene	ND	0.0250	1	05/19/23	05/22/23	
o-Xylene	ND	0.0250	1	05/19/23	05/22/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/22/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		05/19/23	05/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.5 %	70-130		05/19/23	05/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
	89.5 %	50-200		05/23/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321005
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/25/2023 2:38:55PM

SW6

E305119-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2320096	
Benzene	ND	0.0250	1	05/19/23	05/23/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/23/23	
Toluene	ND	0.0250	1	05/19/23	05/23/23	
o-Xylene	ND	0.0250	1	05/19/23	05/23/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/23/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/23/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.9 %	70-130		05/19/23	05/23/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2320096	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/23/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.5 %	70-130		05/19/23	05/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2321041	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
	96.3 %	50-200		05/23/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2321005	
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/25/2023 2:38:55PM

SW7

E305119-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320096
Benzene	ND	0.0250	1	05/19/23	05/23/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/23/23	
Toluene	ND	0.0250	1	05/19/23	05/23/23	
o-Xylene	ND	0.0250	1	05/19/23	05/23/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/23/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/23/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		05/19/23	05/23/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/23/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.7 %	70-130		05/19/23	05/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
	87.9 %	50-200		05/23/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321005
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/25/2023 2:38:55PM

SW8

E305119-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320096
Benzene	ND	0.0250	1	05/19/23	05/23/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/23/23	
Toluene	ND	0.0250	1	05/19/23	05/23/23	
o-Xylene	ND	0.0250	1	05/19/23	05/23/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/23/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/23/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		05/19/23	05/23/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320096
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/23/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.4 %	70-130		05/19/23	05/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
	95.6 %	50-200		05/23/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321005
Chloride	ND	20.0	1	05/22/23	05/23/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Corbin West 19 Fed. #1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/25/2023 2:38:55PM

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 (2320096-BLK1)

Prepared: 05/19/23 Analyzed: 05/22/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.7	70-130			

LCS (2320096-BS1)

Prepared: 05/19/23 Analyzed: 05/22/23

Benzene	4.42	0.0250	5.00		88.4	70-130			
Ethylbenzene	4.65	0.0250	5.00		93.1	70-130			
Toluene	4.72	0.0250	5.00		94.3	70-130			
o-Xylene	4.80	0.0250	5.00		95.9	70-130			
p,m-Xylene	9.48	0.0500	10.0		94.8	70-130			
Total Xylenes	14.3	0.0250	15.0		95.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.88		8.00		98.5	70-130			

Matrix Spike (2320096-MS1)

Source: E305119-03

Prepared: 05/19/23 Analyzed: 05/22/23

Benzene	4.89	0.0250	5.00	ND	97.7	54-133			
Ethylbenzene	5.13	0.0250	5.00	ND	103	61-133			
Toluene	5.19	0.0250	5.00	ND	104	61-130			
o-Xylene	5.27	0.0250	5.00	ND	105	63-131			
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			

Matrix Spike Dup (2320096-MSD1)

Source: E305119-03

Prepared: 05/19/23 Analyzed: 05/22/23

Benzene	4.89	0.0250	5.00	ND	97.7	54-133	0.00	20	
Ethylbenzene	5.15	0.0250	5.00	ND	103	61-133	0.485	20	
Toluene	5.22	0.0250	5.00	ND	104	61-130	0.491	20	
o-Xylene	5.29	0.0250	5.00	ND	106	63-131	0.367	20	
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131	0.283	20	
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131	0.311	20	
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Corbin West 19 Fed. #1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/25/2023 2:38:55PM

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 (2320096-BLK1)

Prepared: 05/19/23 Analyzed: 05/22/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		8.00		87.2	70-130			

LCS (2320096-BS2)

Prepared: 05/19/23 Analyzed: 05/22/23

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0		96.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.07		8.00		88.4	70-130			

Matrix Spike (2320096-MS2)

Source: E305119-03

Prepared: 05/19/23 Analyzed: 05/22/23

Gasoline Range Organics (C6-C10)	45.9	20.0	50.0	ND	91.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.09		8.00		88.6	70-130			

Matrix Spike Dup (2320096-MSD2)

Source: E305119-03

Prepared: 05/19/23 Analyzed: 05/22/23

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	94.0	70-130	2.36	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		8.00		89.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Corbin West 19 Fed. #1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/25/2023 2:38:55PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321041-BLK1)					Prepared: 05/23/23 Analyzed: 05/24/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.5		50.0		89.1	50-200			

LCS (2321041-BS1)					Prepared: 05/23/23 Analyzed: 05/25/23				
Diesel Range Organics (C10-C28)	247	25.0	250		98.6	38-132			
Surrogate: n-Nonane	44.5		50.0		89.0	50-200			

Matrix Spike (2321041-MS1)					Source: E305119-10		Prepared: 05/23/23 Analyzed: 05/25/23		
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.9	38-132			
Surrogate: n-Nonane	41.6		50.0		83.1	50-200			

Matrix Spike Dup (2321041-MSD1)					Source: E305119-10		Prepared: 05/23/23 Analyzed: 05/25/23		
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.9	38-132	0.0311	20	
Surrogate: n-Nonane	42.6		50.0		85.2	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Corbin West 19 Fed. #1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/25/2023 2:38:55PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2321005-BLK1)					Prepared: 05/22/23 Analyzed: 05/22/23				
Chloride	ND	20.0							
LCS (2321005-BS1)					Prepared: 05/22/23 Analyzed: 05/22/23				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2321005-MS1)					Source: E305119-01		Prepared: 05/22/23 Analyzed: 05/22/23		
Chloride	253	20.0	250	ND	101	80-120			
Matrix Spike Dup (2321005-MSD1)					Source: E305119-01		Prepared: 05/22/23 Analyzed: 05/22/23		
Chloride	265	20.0	250	ND	106	80-120	4.73	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:	Corbin West 19 Fed. #1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/25/23 14:38

- 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 3 of 4

Client: Pima Environmental Services Project: <u>Corbin West 19 Fed #1</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-249</u>					Lab Use Only Lab WO# <u>E305119</u> Job Number <u>01058-0007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard <u>X</u>				EPA Program CWA SDWA RCRA State NM CO UT AZ TX	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks				
9:50	5/16/23	S	1	S11	1															
9:55				S11	2															
10:00				S12	3															
10:05				S12	4															
10:10				SW1	5															
10:15				SW2	6															
10:20				SW3	7															
10:25				SW4	8															
10:30				SW5	9															
10:35				SW6	10															
Additional Instructions: <u>B# 21142555</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Relinquished by: (Signature) <u>Karine Adams</u> Date <u>5/18/23</u> Time <u>1435</u>											Received by: (Signature) <u>[Signature]</u> Date <u>5.18.23</u> Time <u>1455</u>									
Relinquished by: (Signature) <u>[Signature]</u> Date <u>5.18.23</u> Time <u>1720</u>											Received by: (Signature) <u>[Signature]</u> Date <u>5.18.23</u> Time <u>1730</u>									
Relinquished by: (Signature) <u>[Signature]</u> Date <u>5.18.23</u> Time <u>2400</u>											Received by: (Signature) <u>[Signature]</u> Date <u>5/19/23</u> Time <u>8:20</u>									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other											Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Project Information

Chain of Custody

Page 4 of 4

Client: Pima Environmental Services Project: <u>Corbin West 19 Feb. #1</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: 580-748-1613 Email: <u>tom@pimaoil.com</u> Report due by:					Bill To Attention: Address: City, State, Zip: Phone: Email: Pima Project # <u>1-249</u>					Lab Use Only Lab WO# <u>E305119</u> Job Number <u>01058-0007</u>					TAT 1D 2D 3D Standard <u>Y</u>				EPA Program CWA SDWA RCRA State NM CO UT AZ TX														
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks																			
10:40	5/16/23	S	1	SW7	11																												
10:45	5/16/23	S	1	SW8	12																												
Additional Instructions: <u>B# 21142555</u>																																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>AF</u>										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																							
Relinquished by: (Signature) <u>Kevin Adams</u>		Date <u>5/18/23</u>	Time <u>1435</u>	Received by: (Signature) <u>[Signature]</u>		Date <u>5-18-23</u>	Time <u>1435</u>	Lab Use Only Received on ice: <u>0/ N</u>																									
Relinquished by: (Signature) <u>[Signature]</u>		Date <u>5-18-23</u>	Time <u>1720</u>	Received by: (Signature) <u>Andrew Mison</u>		Date <u>5-18-23</u>	Time <u>1730</u>	T1 T2 T3																									
Relinquished by: (Signature) <u>Andrew Mison</u>		Date <u>5-18-23</u>	Time <u>2400</u>	Received by: (Signature) <u>Carth Mison</u>		Date <u>5/19/23</u>	Time <u>8:20</u>	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: 5/19/2023 1:18:33PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	05/19/23 08:20	Work Order ID:	E305119
Phone:	(575) 631-6977	Date Logged In:	05/19/23 09:39	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	05/25/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? No
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: CourierComments/Resolution

Project Corbin West 19 Fed #1 has been separated into 2 reports due to sample volume. Workorders are as follows: E305118/E305119. Added depths to sample names on COC to match containers per client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Project Information

Chain of Custody

Page 3 of 4

Client: Pima Environmental Services		Bill To		Lab Use Only		TAT		EPA Program						
Project: <u>Corbin West 19 Fed. #1</u>		Attention: <u>Devon</u>		Lab WO# <u>E305119</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Tom Bynum		Address:		Analysis and Method										
Address: 5614 N. Lovington Hwy.		City, State, Zip												RCRA
City, State, Zip <u>Hobbs, NM, 88240</u>		Phone:												
Phone: 580-748-1613		Email:												
Email: <u>tom@pimaoil.com</u>		Pima Project # <u>1-249</u>												
Report due by:														

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
7:50	5/16/23	S	1	S11-1'	1							X		Added depths
9:55				S11-4'	2									to sample names
10:00				S12-1'	3									on COC's to
10:05				S12-4'	4									match Containers
10:10				SW1	5									per Sebastian
10:15				SW2	6									5/19/23 CC
10:20				SW3	7									
10:25				SW4	8									
10:30				SW5	9									
10:35				SW6	10									

Additional Instructions:

B# 21142555

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

Sampled by: A.P.

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) <u>Karime Adams</u>	Date <u>5/18/23</u>	Time <u>1435</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5.18.23</u>	Time <u>1455</u>	Lab Use Only Received on ice: <u>Y/N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>5.18.23</u>	Time <u>1720</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5.18.23</u>	Time <u>1730</u>	
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>5.18.23</u>	Time <u>2400</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5/19/23</u>	Time <u>8:20</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.

Lab Use Only						TAT				EPA Program				
Lab WO#		Job Number				1D	2D	3D	Standard	CWA	SDWA			
E305119		01058-0007							X					
Analysis and Method											RCRA			
RO by 8015	RO by 8015	RO by 8021	8260	6010	e 300.0			NM	TX	State				
										NM	CO	UT	AZ	TX
										X				

[illegible]

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

Lab Use Only

Received on ice: Y / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

poly/plastic, ag - amber glass, v - VOA

disposed of at the client expense. The report for the analysis of the above

n the report.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Corbin West 19 Fed. #1

Work Order: E305118

Job Number: 01058-0007

Received: 5/19/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/26/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 5/26/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Corbin West 19 Fed. #1
Workorder: E305118
Date Received: 5/19/2023 8:20:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/19/2023 8:20:00AM, under the Project Name: Corbin West 19 Fed. #1.

The analytical test results summarized in this report with the Project Name: Corbin West 19 Fed. #1 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

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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:	Corbin West 19 Fed. #1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/26/23 14:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E305118-01A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S1 - 4'	E305118-02A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S2 - 1'	E305118-03A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S2 - 4'	E305118-04A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S3 - 1'	E305118-05A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S3 - 4'	E305118-06A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S4 - 1'	E305118-07A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S4 - 4'	E305118-08A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S5 - 1'	E305118-09A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S5 - 4'	E305118-10A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S6 - 1'	E305118-11A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S6 - 4'	E305118-12A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S7 - 1'	E305118-13A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S7 - 4'	E305118-14A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S8 - 1'	E305118-15A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S8 - 4'	E305118-16A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S9 - 1'	E305118-17A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S9 - 4'	E305118-18A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S10 - 1'	E305118-19A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.
S10 - 4'	E305118-20A	Soil	05/16/23	05/19/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/26/2023 2:52:46PM

S1 - 1'

E305118-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Benzene	ND	0.0250	1	05/19/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/24/23	
Toluene	ND	0.0250	1	05/19/23	05/24/23	
o-Xylene	ND	0.0250	1	05/19/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene	107 %	70-130		05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		05/19/23	05/24/23	
Surrogate: Toluene-d8	107 %	70-130		05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene	107 %	70-130		05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		05/19/23	05/24/23	
Surrogate: Toluene-d8	107 %	70-130		05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321030
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/23/23	
Surrogate: n-Nonane	92.5 %	50-200		05/23/23	05/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321004
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/26/2023 2:52:46PM

S1 - 4'

E305118-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Benzene	ND	0.0250	1	05/19/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/24/23	
Toluene	ND	0.0250	1	05/19/23	05/24/23	
o-Xylene	ND	0.0250	1	05/19/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		109 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		105 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		109 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		105 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321030
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/23/23	
Surrogate: n-Nonane		95.9 %	50-200	05/23/23	05/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321004
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/26/2023 2:52:46PM

S2 - 1'

E305118-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Benzene	ND	0.0250	1	05/19/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/24/23	
Toluene	ND	0.0250	1	05/19/23	05/24/23	
o-Xylene	ND	0.0250	1	05/19/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		106 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		106 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		106 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		106 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321030
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/23/23	
Surrogate: n-Nonane		97.1 %	50-200	05/23/23	05/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321004
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/26/2023 2:52:46PM

S2 - 4'

E305118-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Benzene	ND	0.0250	1	05/19/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/24/23	
Toluene	ND	0.0250	1	05/19/23	05/24/23	
o-Xylene	ND	0.0250	1	05/19/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		105 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		106 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		105 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		106 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321030
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/23/23	
Surrogate: n-Nonane		98.1 %	50-200	05/23/23	05/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321004
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/26/2023 2:52:46PM

S3 - 1'

E305118-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Benzene	ND	0.0250	1	05/19/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/24/23	
Toluene	ND	0.0250	1	05/19/23	05/24/23	
o-Xylene	ND	0.0250	1	05/19/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		105 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		105 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		105 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		105 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321030
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/23/23	
Surrogate: n-Nonane		98.0 %	50-200	05/23/23	05/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321004
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/26/2023 2:52:46PM

S3 - 4'

E305118-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Benzene	ND	0.0250	1	05/19/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/24/23	
Toluene	ND	0.0250	1	05/19/23	05/24/23	
o-Xylene	ND	0.0250	1	05/19/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		105 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		108 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		105 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		108 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321030
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/23/23	
Surrogate: n-Nonane		94.5 %	50-200	05/23/23	05/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321004
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/26/2023 2:52:46PM

S4 - 1'

E305118-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Benzene	ND	0.0250	1	05/19/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/24/23	
Toluene	ND	0.0250	1	05/19/23	05/24/23	
o-Xylene	ND	0.0250	1	05/19/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		108 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		106 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		108 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		106 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321030
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/23/23	
Surrogate: n-Nonane		99.0 %	50-200	05/23/23	05/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321004
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/26/2023 2:52:46PM

S4 - 4'

E305118-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Benzene	ND	0.0250	1	05/19/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/24/23	
Toluene	ND	0.0250	1	05/19/23	05/24/23	
o-Xylene	ND	0.0250	1	05/19/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		107 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		107 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		107 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		107 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321030
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/23/23	
Surrogate: n-Nonane		97.8 %	50-200	05/23/23	05/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321004
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/26/2023 2:52:46PM

S5 - 1'

E305118-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Benzene	ND	0.0250	1	05/19/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/24/23	
Toluene	ND	0.0250	1	05/19/23	05/24/23	
o-Xylene	ND	0.0250	1	05/19/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		104 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		106 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		104 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		106 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321030
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/23/23	
Surrogate: n-Nonane		97.5 %	50-200	05/23/23	05/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321004
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/26/2023 2:52:46PM

S5 - 4'

E305118-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Benzene	ND	0.0250	1	05/19/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/24/23	
Toluene	ND	0.0250	1	05/19/23	05/24/23	
o-Xylene	ND	0.0250	1	05/19/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		105 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		106 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		105 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		106 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321030
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/23/23	
Surrogate: n-Nonane		101 %	50-200	05/23/23	05/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321004
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/26/2023 2:52:46PM

S6 - 1'

E305118-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Benzene	ND	0.0250	1	05/19/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/24/23	
Toluene	ND	0.0250	1	05/19/23	05/24/23	
o-Xylene	ND	0.0250	1	05/19/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		107 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		105 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		107 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		105 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321030
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/23/23	
Surrogate: n-Nonane		98.1 %	50-200	05/23/23	05/23/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321004
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/26/2023 2:52:46PM

S6 - 4'

E305118-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Benzene	ND	0.0250	1	05/19/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/24/23	
Toluene	ND	0.0250	1	05/19/23	05/24/23	
o-Xylene	ND	0.0250	1	05/19/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		107 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		106 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/24/23	
Surrogate: Bromofluorobenzene		107 %	70-130	05/19/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	05/19/23	05/24/23	
Surrogate: Toluene-d8		106 %	70-130	05/19/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321030
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
Surrogate: n-Nonane		100 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321004
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/26/2023 2:52:46PM

S7 - 1'

E305118-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Benzene	ND	0.0250	1	05/19/23	05/25/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/25/23	
Toluene	ND	0.0250	1	05/19/23	05/25/23	
o-Xylene	ND	0.0250	1	05/19/23	05/25/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/25/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/25/23	
Surrogate: Bromofluorobenzene		108 %	70-130	05/19/23	05/25/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/19/23	05/25/23	
Surrogate: Toluene-d8		105 %	70-130	05/19/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/25/23	
Surrogate: Bromofluorobenzene		108 %	70-130	05/19/23	05/25/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/19/23	05/25/23	
Surrogate: Toluene-d8		105 %	70-130	05/19/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321030
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
Surrogate: n-Nonane		99.9 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321004
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/26/2023 2:52:46PM

S7 - 4'

E305118-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Benzene	ND	0.0250	1	05/19/23	05/25/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/25/23	
Toluene	ND	0.0250	1	05/19/23	05/25/23	
o-Xylene	ND	0.0250	1	05/19/23	05/25/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/25/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/25/23	
Surrogate: Bromofluorobenzene		106 %	70-130	05/19/23	05/25/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	05/19/23	05/25/23	
Surrogate: Toluene-d8		107 %	70-130	05/19/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/25/23	
Surrogate: Bromofluorobenzene		106 %	70-130	05/19/23	05/25/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	05/19/23	05/25/23	
Surrogate: Toluene-d8		107 %	70-130	05/19/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321030
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
Surrogate: n-Nonane		100 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321004
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/26/2023 2:52:46PM

S8 - 1'

E305118-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Benzene	ND	0.0250	1	05/19/23	05/25/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/25/23	
Toluene	ND	0.0250	1	05/19/23	05/25/23	
o-Xylene	ND	0.0250	1	05/19/23	05/25/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/25/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/25/23	
Surrogate: Bromofluorobenzene		104 %	70-130	05/19/23	05/25/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/19/23	05/25/23	
Surrogate: Toluene-d8		108 %	70-130	05/19/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/25/23	
Surrogate: Bromofluorobenzene		104 %	70-130	05/19/23	05/25/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/19/23	05/25/23	
Surrogate: Toluene-d8		108 %	70-130	05/19/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321030
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
Surrogate: n-Nonane		103 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321004
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/26/2023 2:52:46PM

S8 - 4'

E305118-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Benzene	ND	0.0250	1	05/19/23	05/25/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/25/23	
Toluene	ND	0.0250	1	05/19/23	05/25/23	
o-Xylene	ND	0.0250	1	05/19/23	05/25/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/25/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/25/23	
Surrogate: Bromofluorobenzene		106 %	70-130	05/19/23	05/25/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	05/19/23	05/25/23	
Surrogate: Toluene-d8		108 %	70-130	05/19/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/25/23	
Surrogate: Bromofluorobenzene		106 %	70-130	05/19/23	05/25/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	05/19/23	05/25/23	
Surrogate: Toluene-d8		108 %	70-130	05/19/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321030
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
Surrogate: n-Nonane		103 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321004
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/26/2023 2:52:46PM

S9 - 1'

E305118-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Benzene	ND	0.0250	1	05/19/23	05/25/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/25/23	
Toluene	ND	0.0250	1	05/19/23	05/25/23	
o-Xylene	ND	0.0250	1	05/19/23	05/25/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/25/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/25/23	
Surrogate: Bromofluorobenzene		108 %	70-130	05/19/23	05/25/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/19/23	05/25/23	
Surrogate: Toluene-d8		105 %	70-130	05/19/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/25/23	
Surrogate: Bromofluorobenzene		108 %	70-130	05/19/23	05/25/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/19/23	05/25/23	
Surrogate: Toluene-d8		105 %	70-130	05/19/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321030
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
Surrogate: n-Nonane		102 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321004
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/26/2023 2:52:46PM

S9 - 4'

E305118-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Benzene	ND	0.0250	1	05/19/23	05/25/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/25/23	
Toluene	ND	0.0250	1	05/19/23	05/25/23	
o-Xylene	ND	0.0250	1	05/19/23	05/25/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/25/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/25/23	
Surrogate: Bromofluorobenzene		107 %	70-130	05/19/23	05/25/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/19/23	05/25/23	
Surrogate: Toluene-d8		105 %	70-130	05/19/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/25/23	
Surrogate: Bromofluorobenzene		107 %	70-130	05/19/23	05/25/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/19/23	05/25/23	
Surrogate: Toluene-d8		105 %	70-130	05/19/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321030
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
Surrogate: n-Nonane		94.3 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321004
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/26/2023 2:52:46PM

S10 - 1'

E305118-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Benzene	ND	0.0250	1	05/19/23	05/25/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/25/23	
Toluene	ND	0.0250	1	05/19/23	05/25/23	
o-Xylene	ND	0.0250	1	05/19/23	05/25/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/25/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/25/23	
Surrogate: Bromofluorobenzene		106 %	70-130	05/19/23	05/25/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/19/23	05/25/23	
Surrogate: Toluene-d8		106 %	70-130	05/19/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/25/23	
Surrogate: Bromofluorobenzene		106 %	70-130	05/19/23	05/25/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/19/23	05/25/23	
Surrogate: Toluene-d8		106 %	70-130	05/19/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321030
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
Surrogate: n-Nonane		102 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321004
Chloride	ND	20.0	1	05/22/23	05/23/23	



Sample Data

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

Project Name: Corbin West 19 Fed. #1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/26/2023 2:52:46PM

S10 - 4'

E305118-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Benzene	ND	0.0250	1	05/19/23	05/25/23	
Ethylbenzene	ND	0.0250	1	05/19/23	05/25/23	
Toluene	ND	0.0250	1	05/19/23	05/25/23	
o-Xylene	ND	0.0250	1	05/19/23	05/25/23	
p,m-Xylene	ND	0.0500	1	05/19/23	05/25/23	
Total Xylenes	ND	0.0250	1	05/19/23	05/25/23	
Surrogate: Bromofluorobenzene		105 %	70-130	05/19/23	05/25/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	05/19/23	05/25/23	
Surrogate: Toluene-d8		106 %	70-130	05/19/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2320091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/23	05/25/23	
Surrogate: Bromofluorobenzene		105 %	70-130	05/19/23	05/25/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	05/19/23	05/25/23	
Surrogate: Toluene-d8		106 %	70-130	05/19/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321030
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
Surrogate: n-Nonane		100 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321004
Chloride	ND	20.0	1	05/22/23	05/23/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Corbin West 19 Fed. #1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/26/2023 2:52:46PM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2320091-BLK1)

Prepared: 05/19/23 Analyzed: 05/24/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			

LCS (2320091-BS1)

Prepared: 05/19/23 Analyzed: 05/24/23

Benzene	2.45	0.0250	2.50		98.0	70-130			
Ethylbenzene	2.45	0.0250	2.50		97.8	70-130			
Toluene	2.52	0.0250	2.50		101	70-130			
o-Xylene	2.63	0.0250	2.50		105	70-130			
p,m-Xylene	5.30	0.0500	5.00		106	70-130			
Total Xylenes	7.93	0.0250	7.50		106	70-130			
Surrogate: Bromofluorobenzene	0.545		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	70-130			

Matrix Spike (2320091-MS1)

Source: E305118-02

Prepared: 05/19/23 Analyzed: 05/24/23

Benzene	2.48	0.0250	2.50	ND	99.1	48-131			
Ethylbenzene	2.52	0.0250	2.50	ND	101	45-135			
Toluene	2.54	0.0250	2.50	ND	101	48-130			
o-Xylene	2.70	0.0250	2.50	ND	108	43-135			
p,m-Xylene	5.34	0.0500	5.00	ND	107	43-135			
Total Xylenes	8.04	0.0250	7.50	ND	107	43-135			
Surrogate: Bromofluorobenzene	0.547		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

Matrix Spike Dup (2320091-MSD1)

Source: E305118-02

Prepared: 05/19/23 Analyzed: 05/24/23

Benzene	2.46	0.0250	2.50	ND	98.3	48-131	0.770	23	
Ethylbenzene	2.44	0.0250	2.50	ND	97.7	45-135	3.16	27	
Toluene	2.44	0.0250	2.50	ND	97.7	48-130	3.82	24	
o-Xylene	2.59	0.0250	2.50	ND	104	43-135	4.01	27	
p,m-Xylene	5.14	0.0500	5.00	ND	103	43-135	3.80	27	
Total Xylenes	7.73	0.0250	7.50	ND	103	43-135	3.87	27	
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Corbin West 19 Fed. #1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/26/2023 2:52:46PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2320091-BLK1)

Prepared: 05/19/23 Analyzed: 05/24/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			

LCS (2320091-BS2)

Prepared: 05/19/23 Analyzed: 05/24/23

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0		111	70-130			
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			

Matrix Spike (2320091-MS2)

Source: E305118-02

Prepared: 05/19/23 Analyzed: 05/24/23

Gasoline Range Organics (C6-C10)	54.9	20.0	50.0	ND	110	70-130			
Surrogate: Bromofluorobenzene	0.552		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.542		0.500		108	70-130			

Matrix Spike Dup (2320091-MSD2)

Source: E305118-02

Prepared: 05/19/23 Analyzed: 05/24/23

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130	0.166	20	
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.546		0.500		109	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Corbin West 19 Fed. #1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/26/2023 2:52:46PM

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 (2321030-BLK1)

Prepared: 05/23/23 Analyzed: 05/23/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.6		50.0		99.2	50-200			

LCS (2321030-BS1)

Prepared: 05/23/23 Analyzed: 05/23/23

Diesel Range Organics (C10-C28)	248	25.0	250		99.3	38-132			
Surrogate: n-Nonane	47.2		50.0		94.4	50-200			

Matrix Spike (2321030-MS1)

Source: E305118-20

Prepared: 05/23/23 Analyzed: 05/23/23

Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	46.8		50.0		93.7	50-200			

Matrix Spike Dup (2321030-MSD1)

Source: E305118-20

Prepared: 05/23/23 Analyzed: 05/23/23

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	2.05	20	
Surrogate: n-Nonane	48.4		50.0		96.8	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Corbin West 19 Fed. #1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/26/2023 2:52:46PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2321004-BLK1)					Prepared: 05/22/23 Analyzed: 05/22/23				
Chloride	ND	20.0							
LCS (2321004-BS1)					Prepared: 05/22/23 Analyzed: 05/23/23				
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2321004-MS1)					Source: E305118-01		Prepared: 05/22/23 Analyzed: 05/23/23		
Chloride	265	20.0	250	ND	106	80-120			
Matrix Spike Dup (2321004-MSD1)					Source: E305118-01		Prepared: 05/22/23 Analyzed: 05/23/23		
Chloride	264	20.0	250	ND	106	80-120	0.446	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:	Corbin West 19 Fed. #1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/26/23 14:52

- 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 4

Client: Pima Environmental Services Project: <u>Corbin West - 19 Feb. #1</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-249</u>					Lab Use Only Lab WO# <u>E305118</u> Job Number <u>01058-0007</u> Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard <u>X</u>				EPA Program CWA SDWA RCRA State NM CO UT AZ TX NM CO UT AZ TX	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
8:10	5/16/23	S	1	S1	1							X								
8:15				S1	2															
8:20				S2	3															
8:25				S2	4															
8:30				S3	5															
8:35				S3	6															
8:40				S4	7															
8:45				S4	8															
8:50				S5	9															
8:55				S5	10															
Additional Instructions: <u>B# 21142555</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) <u>Karime Adame</u> Date <u>5/18/23</u> Time <u>1435</u>										Received by: (Signature) <u>[Signature]</u> Date <u>5-18-23</u> Time <u>1435</u>										
Relinquished by: (Signature) <u>[Signature]</u> Date <u>5-18-23</u> Time <u>1720</u>										Received by: (Signature) <u>[Signature]</u> Date <u>5-18-23</u> Time <u>1730</u>										
Relinquished by: (Signature) <u>[Signature]</u> Date <u>5-18-23</u> Time <u>2400</u>										Received by: (Signature) <u>[Signature]</u> Date <u>5/19/23</u> Time <u>8:20</u>										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Project Information

Chain of Custody

Page 2 of 4

Client: Pima Environmental Services Project: <u>Corbin West 19 Fed #1</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-249</u>					Lab Use Only Lab WO# <u>E 305118</u> Job Number <u>01058-0007</u> Analysis and Method					TAT 1D 2D 3D Standard <u>X</u>				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX										
										DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX				Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															
9:00	5/10/23	S	1	S6	11															
9:05				S6	12															
9:10				S7	13															
9:15				S7	14															
9:20				S8	15															
9:25				S8	16															
9:30				S9	17															
9:35				S9	18															
9:40				S10	19															
9:45				S10	20															
Additional Instructions: <u>3# 21142555</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.										
Relinquished by: (Signature) <u>Carine Adams</u> Date <u>5/18/23</u> Time <u>1435</u>					Received by: (Signature) <u>[Signature]</u> Date <u>5-18-23</u> Time <u>1435</u>					Lab Use Only Received on ice: <u>(Y) N</u>										
Relinquished by: (Signature) <u>[Signature]</u> Date <u>5-18-23</u> Time <u>1720</u>					Received by: (Signature) <u>[Signature]</u> Date <u>5-18-23</u> Time <u>1730</u>					T1 T2 T3										
Relinquished by: (Signature) <u>[Signature]</u> Date <u>5-18-23</u> Time <u>2400</u>					Received by: (Signature) <u>Carth-Mann</u> Date <u>5/19/23</u> Time <u>8:20</u>					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: 5/19/2023 1:13:23PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	05/19/23 08:20	Work Order ID:	E305118
Phone:	(575) 631-6977	Date Logged In:	05/19/23 09:36	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	05/25/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? No
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: CourierComments/Resolution

Project Corbin West 19 Fed #1 has been separated into 2 reports due to sample volume. Workorders are as follows: E305118/E305119. Added depths to sample names on COC to match containers per client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Project Information

Chain of Custody

Page 1 of 4

Client: Pima Environmental Services
 Project: Corbin West 19 Feb. #1
 Project Manager: Tom Bynum
 Address: 5614 N. Lovington Hwy.
 City, State, Zip: Hobbs, NM, 88240
 Phone: 580-748-1613
 Email: tom@pimaoil.com
 Report due by:

Bill To
 Attention: Devon
 Address:
 City, State, Zip
 Phone:
 Email:
 Pima Project # 1-249

Lab Use Only
 Lab WO# E305118 Job Number 61058-0007
 Analysis and Method
 1D 2D 3D Standard
 EPA Program
 CWA SDWA
 RCRA
 State
 NM CO UT AZ TX
 NM CO UT AZ TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:10	5/16/23	S	1	S1-1'	1							X		Added depths to Sample names on COC's to match Containers. per Sebastian
8:15				S1-4'	2									
8:20				S2-1'	3									
8:25				S2-4'	4									
8:30				S3-1'	5									
8:35				S3-4'	6									
8:40				S4-1'	7									
8:45				S4-4'	8									
8:50				S5-1'	9									
8:55				S5-4'	10									

Additional Instructions:

B# 21142555

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

Sampled by:

A.F

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) <u>Karime Adame</u>	Date <u>5/18/23</u>	Time <u>1435</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5-18-23</u>	Time <u>1435</u>	Lab Use Only Received on ice: <u>Y/N</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>5-18-23</u>	Time <u>1720</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5-18-23</u>	Time <u>1730</u>	T1 T2 T3
Relinquished by: (Signature) <u>Andrew Messo</u>	Date <u>5-18-23</u>	Time <u>2400</u>	Received by: (Signature) <u>Cathy Mann</u>	Date <u>5/19/23</u>	Time <u>8:20</u>	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.

Project Information

Chain of Custody

Page 2 of 4

Client: Pima Environmental Services
 Project: Corbin West 19 Fed #1
 Project Manager: Tom Bynum
 Address: 5614 N. Lovington Hwy.
 City, State, Zip: Hobbs, NM, 88240
 Phone: 580-748-1613
 Email: tom@pimaoil.com
 Report due by:

Bill To
 Attention: Devon
 Address:
 City, State, Zip
 Phone:
 Email:
 Pima Project # 1-249

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
<u>E 305118</u>	<u>01058-0007</u>				<u>X</u>		
Analysis and Method						RCRA	
						State	
						NM	CO
						UT	AZ
						TX	
						Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number
9:00	5/18/23	S	1	SG-1'	11
9:05				SG-4'	12
9:10				SG-1'	13
9:15				SG-4'	14
9:20				SG-1'	15
9:25				SG-4'	16
9:30				SG-1'	17
9:35				SG-4'	18
9:40				SG-1'	19
9:45				SG-4'	20

Additional Instructions:

B# 21142555

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

Sampled by: A.F

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Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only	
<u>Karine Adams</u>		5/18/23	1435	<u>[Signature]</u>		5/18/23	1435	Received on ice: <u>Y/N</u>	
<u>[Signature]</u>		5/18/23	1720	<u>Andrew Messo</u>		5/18/23	1730	T1 _____ T2 _____ T3 _____	
<u>Andrew Messo</u>		5/18/23	2400	<u>Caitlin Mann</u>		5/19/23	8:20	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.

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 223184

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 223184
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Since the site has been plugged, abandoned, & the site has been released by OCD, OCD accepts the laboratory analyses presented based on the duration the release occurred, although the operator did not adhere to 19.15.29.12D (1a) NMAC for final sampling. Closure Report Approved; Release Resolved.	9/20/2023