

Incident ID	nAPP2312548979
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 1/2-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.

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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 Professional

Signature: *Dale Woodall* Date: 9/14/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2312548979
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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: 9/14/2023
 email: dale.woodall@dvn.com Telephone: 575-748-1838

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

September 12, 2023

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

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

Re: Site Assessment, Remediation, and Closure Report
Allied 7 Federal #001
API No. 30-015-25900
GPS: Latitude 32.7638435 Longitude -103.9067764
UL G, Section. 07, T18S, R31E
Eddy County, NM
NMOCD Ref. No. NAPP2312548979

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production, LLC. (Devon) to perform a spill assessment, remediation, and submit this closure report for a produced water release that occurred at the Allied 7 Federal #001 (Allied). The initial C-141 was submitted on August 24, 2023 (Appendix C). This incident was assigned Incident ID NAPP2312548979 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Allied is located approximately six (6) miles southeast of Loco Hills, NM. This spill site is in Unit G, Section 07, Township 18S, Range 31E, Latitude 32.7638435 Longitude -103.9067764, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up deposits of Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Kermit-Berino fine sand, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area excessively drained. There is a low potential for karst geology to be present around the Allied (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 80 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 380 feet BGS. The closest waterway is a Salt Playa and is located approximately 6.71 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

NAPP2312548979: On May 4, 2023, a pinhole leak on a 2” flowline from the wellhead was discovered by a LO. The leak caused fluid to release on the pad. The released fluids were calculated to be approximately 0.5 of a barrel (bbls) of produced water. No fluids were able to be recovered due to being soaked into the ground.

Site Assessment and Soil Sampling Results

On May 8, 2023, Pima mobilized personnel to the site to assess the area. We sampled the impacted area. Laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

5-8-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 50')								
DEVON ENERGY -ALLIED FED 7 BATTERY								
Sample Date: 5/8/2023 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	Cl mg/kg
S-1	1'	6.89	0.0483	113	2140	850	3109.938	23.9
	2'	ND	ND	ND	196	95.1	291.1	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	43.7	ND	43.7	ND
S-2	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	154	69.7	223.7	ND
	3'	ND	ND	ND	36.9	ND	36.9	ND
	4'	ND	ND	ND	168	81.8	249.8	ND
SW 1	6"	ND	ND	ND	ND	ND	0	ND
SW 2	6"	ND	ND	ND	ND	ND	0	ND
SW 3	6"	ND	ND	ND	ND	ND	0	ND
SW 4	6"	ND	ND	ND	ND	ND	0	ND
BG 1	6"	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

On June 21, 2023, Pima personnel returned to the site to further delineate S-2 area. Laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

6-21-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 50')								
DEVON ENERGY -ALLIED FED 7 BATTERY								
Sample Date: 6/21/2023 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	Cl mg/kg
S-2	5'	ND	ND	ND	ND	ND	0	ND
	6'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Remediation Activities

On August 28, 2023, Devon Construction Department mobilized personnel and equipment to conduct remedial activities. They excavated the area to an average depth of 2’ and 4’ BGS. Pima personnel collected samples to verify all contaminated soil had been removed. The contaminated soil, which was approximately 14 cubic yards, was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On August 30, 2023, after sending a 48-hour notification (Appendix C), Pima collected 5-point composite confirmation samples of the excavated area. Laboratory results of this sampling event can be found in the following data table. A Confirmation Sample Map can be found in Figure 5.

8-30-23 Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 50')								
DEVON ENERGY -ALLIED FED 7 BATTERY								
Sample Date: 8/30/23			NM Approved Laboratory Results					
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS 1 Bottoms	2.5	ND	ND	ND	ND	ND	0	ND
CS 2 Bottoms	4.5	ND	ND	ND	ND	ND	0	ND
CSW 1	2.5	ND	ND	ND	ND	ND	0	ND
CSW 2	2.5	ND	ND	ND	ND	ND	0	ND
CSW 3	4.5	ND	ND	ND	ND	ND	0	ND
CSW 4	4.5	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

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

Closure Request

After careful review, Pima requests that this incident, NAPP2312548979, be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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

Respectfully,



Gio Gomez
 Project Manager
 Pima Environmental Services, LLC

Attachments

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

Appendices:

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



Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

3-Karst Map

4-Site Map

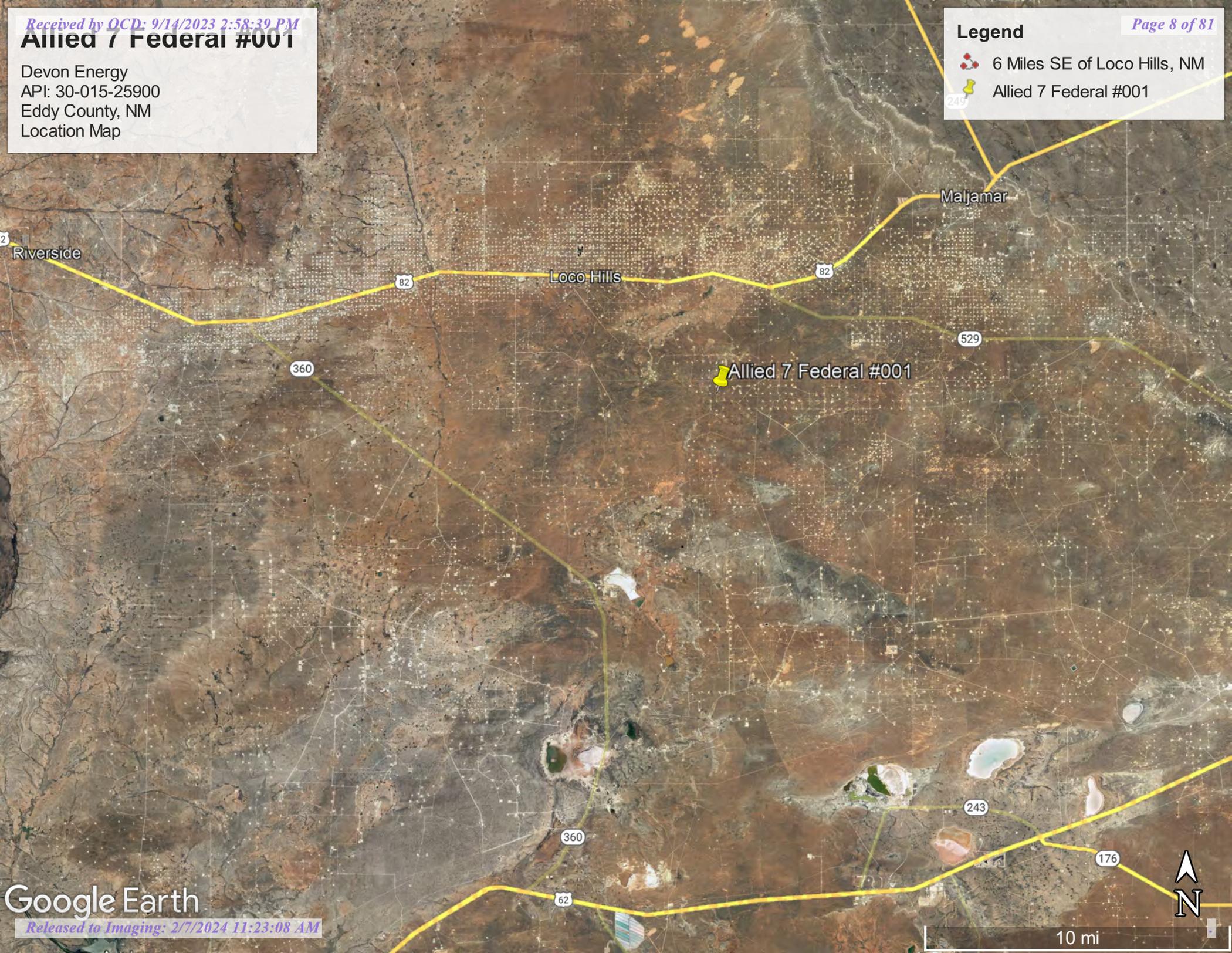
5-Confirmation Sample Map

Allied 7 Federal #001

Devon Energy
API: 30-015-25900
Eddy County, NM
Location Map

Legend

-  6 Miles SE of Loco Hills, NM
-  Allied 7 Federal #001

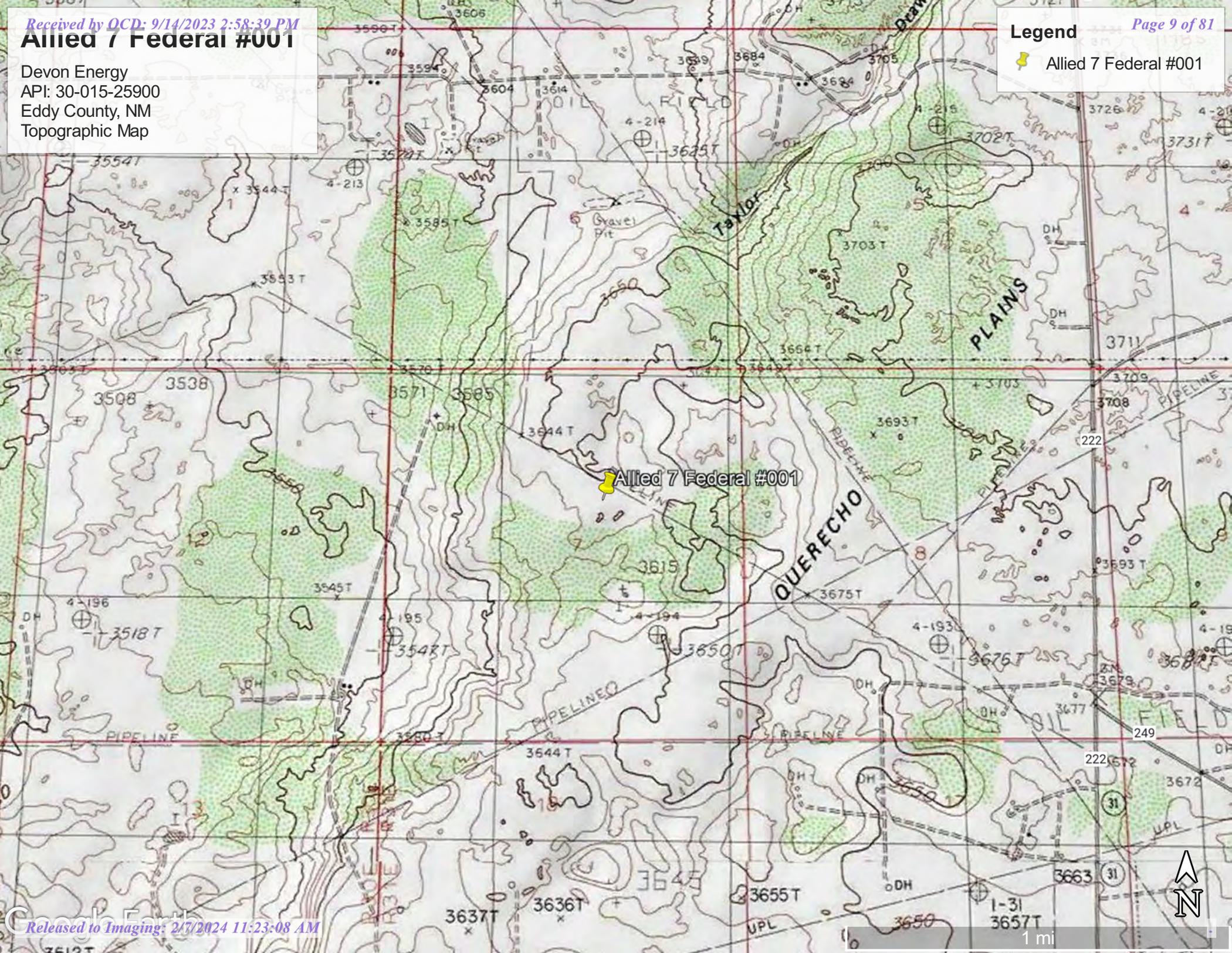


Allied 7 Federal #001

Devon Energy
API: 30-015-25900
Eddy County, NM
Topographic Map

Legend

-  Allied 7 Federal #001



1 mi

Allied 7 Federal #001

Devon Energy
API: 30-015-25900
Eddy County, NM
Karst Map

-  Allied 7 Federal #001
-  High Karst
-  Low Karst
-  Medium Karst



Allied 7 Federal #001

Devon Energy
API:30-015-25900
Eddy County, NM
Site Map

Legend

-  Allied 7 Federal #1
-  Background/Sidewalls
-  Samples
-  Spill area 137 sqft



BG1

SW4

S2

SW3

SW1

S1

Allied 7 Federal #1

SW2



Allied 7 Federal #001

Devon Energy
API:30-015-25900
Eddy County, NM
Confirmation Sample Map

Legend

-  Allied 7 Federal #1
-  Confirmation Samples



Allied 7 Federal #1 

CSW3

CS2

CSW4

CSW2

CS1

CSW1





Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(In feet)

POD Number	POD Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Q 32	Sec	Tw	Rng	X	Y	Distance	Well Depth	Water Column
RA 11590 POD1		RA	ED	2	1	3	32	17S	31E	603315	3628545		3075	158	
RA 11590 POD4		RA	ED	4	1	1	32	17S	31E	603308	3629253		3756	55	
RA 11590 POD3		RA	ED	3	1	2	32	17S	31E	603932	3629260		3959	60	
CP 00818 POD1		CP	LE		1	4	26	18S	30E	599289	3620364*		6097	240	
CP 00767 POD1		CP	ED		3	2	35	18S	30E	599300	3619158*		7156	500	
RA 13213 POD1		RA	CH	2	2	1	24	17S	30E	600489	3632575		7223	101	
RA 13235 POD1		RA	ED	1	1	1	21	17S	31E	604631	3632537		7278	102	
CP 00853 POD1	O	CP	ED		2	4	28	18S	30E	596472	3620340*		7930	350	
CP 00849 POD1		CP	LE	3	1	3	35	18S	31E	608012	3618757*		8858	300	
RA 13212 POD1		RA	CH	1	3	4	11	17S	30E	598984	3634474		9499		
RA 11914 POD1		RA	ED	2	4	2	20	17S	30E	594801	3632002		9929	85	80 5

Average Depth to Water: **80 feet**
 Minimum Depth: **80 feet**
 Maximum Depth: **80 feet**

Record Count: 11

UTMNAD83 Radius Search (in meters):

Easting (X): 602398.61 **Northing (Y):** 3625609.42 **Radius:** 10000

*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.

2/22/23 11:13 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater ▼

Geographic Area:

United States ▼

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 324502103495801

Minimum number of levels = 1

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

USGS 324502103495801 18S.31E.14.22133

Available data for this site

Groundwater: Field measurements ▼

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°45'02", Longitude 103°49'58" NAD27

Land-surface elevation 3,736 feet above NAVD88

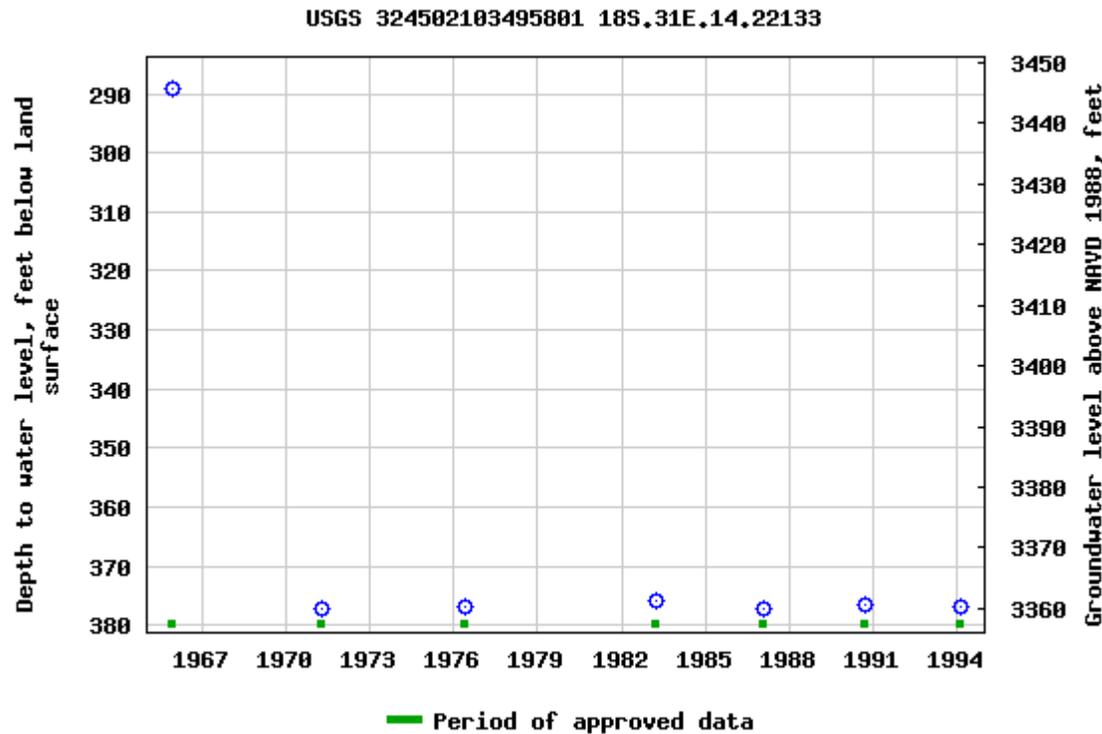
The depth of the well is 400 feet below land surface.

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

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

Output formats

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



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

[Questions about sites/data?](#)

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

Title: Groundwater for USA: Water Levels

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



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

Page Last Modified: 2023-02-22 13:01:56 EST

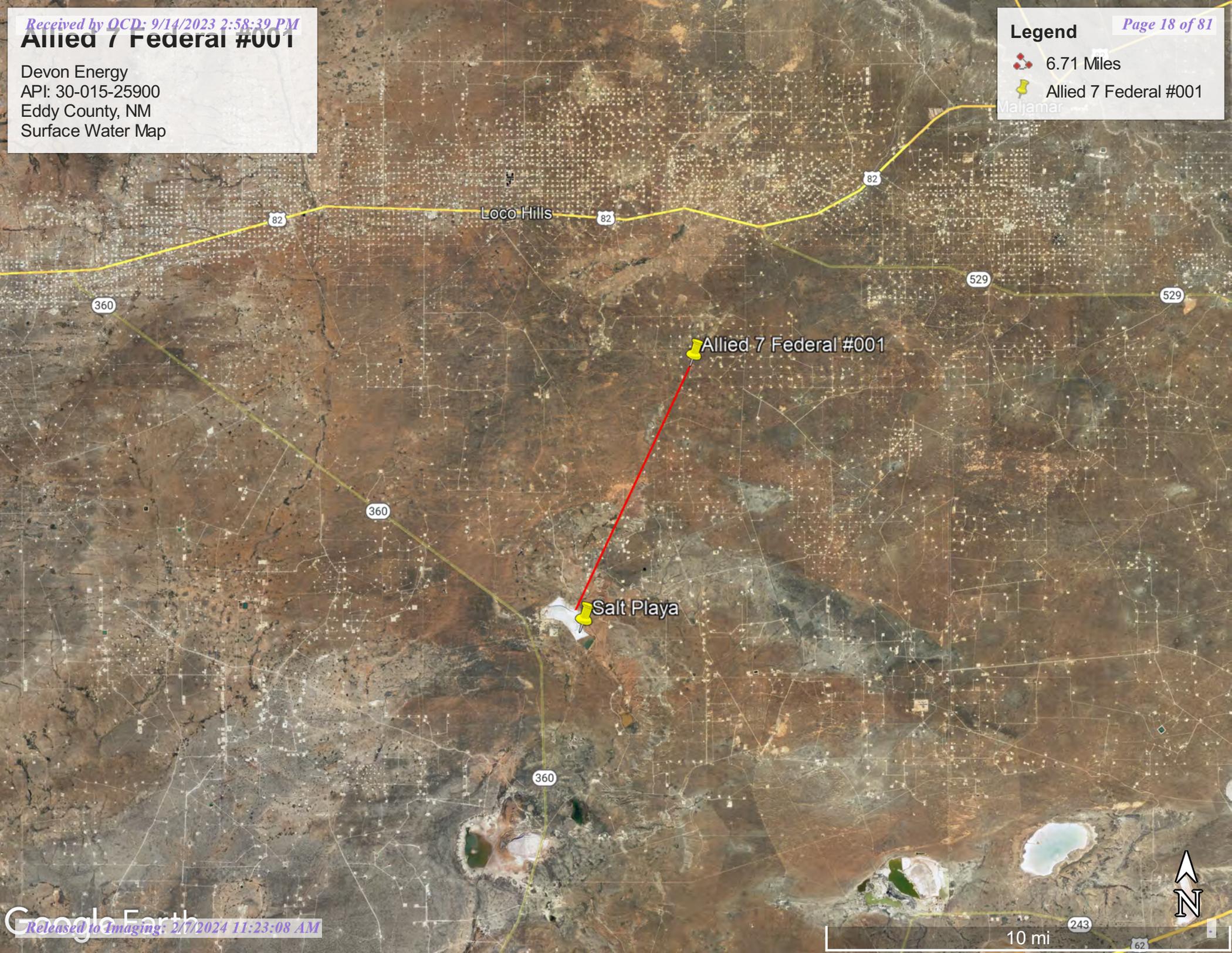
0.61 0.5 nadww01

Allied 7 Federal #001

Devon Energy
API: 30-015-25900
Eddy County, NM
Surface Water Map

Legend

-  6.71 Miles
-  Allied 7 Federal #001





Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

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

Eddy Area, New Mexico

KM—Kermit-Berino fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4q
Elevation: 3,100 to 4,200 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 190 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 50 percent
Berino and similar soils: 35 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 7 inches: fine sand
H2 - 7 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Negligible
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: 1.0
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
Hydrologic Soil Group: A
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

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

Description of Berino

Setting

Landform: Plains, fan piedmonts
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 50 inches: fine sandy loam
H3 - 50 to 58 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 15 percent
Hydric soil rating: No

Data Source Information

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

National Flood Hazard Layer FIRMette



103°54'43"W 32°46'4"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>

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

GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
OTHER FEATURES		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/22/2023 at 1:23 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 22, 2023

Wetlands

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

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



Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2312548979
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Dale Woodall	Contact Telephone 575-748-1838
Contact email dale.woodall@dvn.com	Incident # (assigned by OCD) nAPP2312548979
Contact mailing address 205 E. Bender Road. #150; Hobbs, NM 88240	

Location of Release Source

Latitude 32.7638435 Longitude -103.9067764
(NAD 83 in decimal degrees to 5 decimal places)

Site Name ALLIED 7 FEDERAL #001	Site Type OIL
Date Release Discovered 05/04/2023	API# (if applicable) 30-015-25900

Unit Letter	Section	Township	Range	County
G	07	18S	31E	EDDY

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 0.5	Volume Recovered (bbls) 0
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Lease Operator found a pinhole leak on 2" flowline from wellhead. Pumping unit was shut down and flowline was isolated to stop leak. 0.5 bbls released to pad with a small portion flowing offsite into adjacent pasture. 0 bbls recovered as it soaked into ground.

State of New Mexico
Oil Conservation Division

Page 2

Incident ID	nAPP2312548979
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Dale Woodall</u> Title: <u>Env. Professional</u> Signature: <u>Dale Woodall</u> Date: <u>8/24/2023</u> email: <u>dale.woodall@dvn.com</u> Telephone: <u>575-748-1838</u>
<u>OCD Only</u> Received by: <u>Shelly Wells</u> Date: <u>8/24/2023</u>

Allied 7 Federal #001

nAPP2312548979

API - 30-015-25900

Spill Volume(Bbls) Calculator	
<i>Inputs in blue, Outputs in red</i>	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
643.961	0.250
Cubic Feet of Soil Impacted	13.416
Barrels of Soil Impacted	2.39
Soil Type	Sand
Barrels of Oil Assuming 100% Saturation	0.48
Saturation	Damp no fluid when squeezed
Estimated Barrels of Oil Released	0.05
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
Standing fluid	0.000
Total fluids spilled	0.478
Instructions	
1. Input spill area measurements in feet, if less than one	
Spill Report	Area 1 Area 2 Area 3 Area 4 Square F

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 257182

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 257182
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	8/24/2023

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Site Assessment/Characterization

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

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-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

Page 4

Incident ID	nAPP2312548979
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: 9/14/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2312548979
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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: 9/14/2023
 email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Gio PimaOil <gio@pimaoil.com>

48 Hour Notification -Allied Fed 7 Battery– NAPP2312548979

1 message

Gio PimaOil <gio@pimaoil.com>

Mon, Aug 28, 2023 at 3:00 PM

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

Cc: Audry Pima Oil <audry@pimaoil.com>

Good Afternoon,

Pima Environmental would like to notify you that we will begin collecting confirmation samples at the **Allied Fed 7 Battery** for incident **NAPP2312548979**. Pima personnel **are scheduled** to be on site for this sampling event at approximately 4:00 p.m. on Wednesday, August 30, 2023. If you have any questions or concerns, please let me know. Thank you.

--

Gio Gomez

Project Manager

cell-806-782-1151

Office- 575-964-7740

Pima Environmental Services, LLC.



Pima Environmental Services

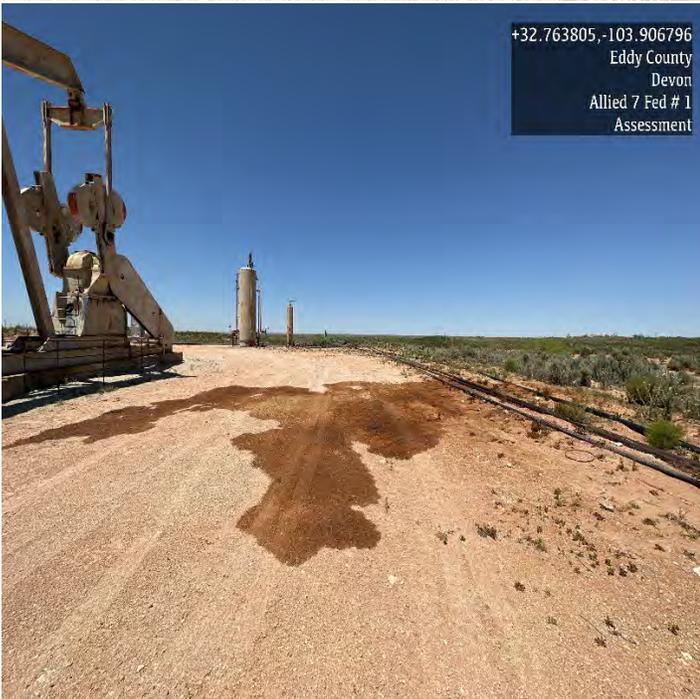
Appendix D

Photographic Documentation



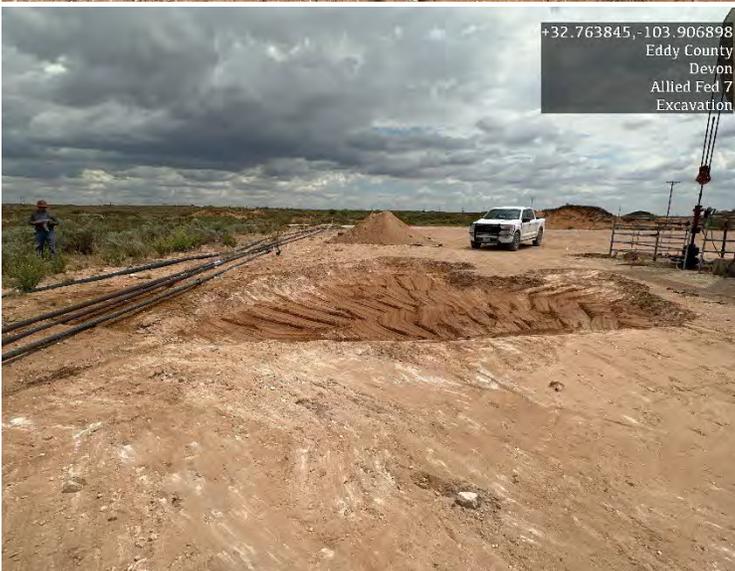
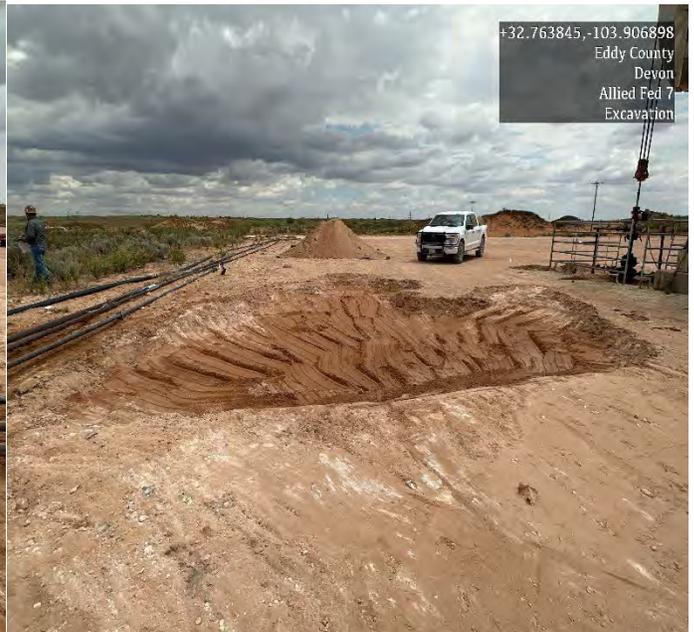
**SITE PHOTOGRAPHS
DEVON ENERGY
ALLIED 7 FEDERAL #001**

Site Assessment





Excavation





32.763862, -103.906784
Eddy County
Devon
Allied Fed 7
Excavation



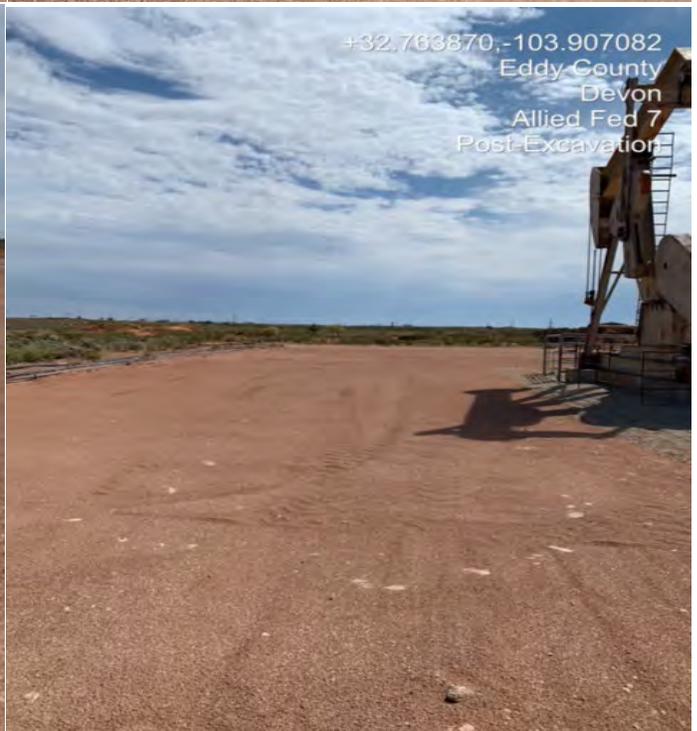
32.763845, -103.906898
Eddy County
Devon
Allied Fed 7
Excavation



32.763788, -103.906755
Eddy County
Devon
Allied Fed 7
Excavation



Post Excavation





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: Allied Federal

Work Order: E305058

Job Number: 01058-0007

Received: 5/10/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/16/23

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: 5/16/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Allied Federal
Workorder: E305058
Date Received: 5/10/2023 8:27:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/10/2023 8:27:00AM, under the Project Name: Allied Federal.

The analytical test results summarized in this report with the Project Name: Allied Federal 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

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
S1 - 1'	5
S1 - 2'	6
S1 - 3'	7
S1 - 4'	8
S2 - 1'	9
S2 - 2'	10
S2 - 3'	11
S2 - 4'	12
SW-1	13
SW-2	14
SW-3	15
SW-4	16
BG-1	17
QC Summary Data	18
QC - Volatile Organics by EPA 8021B	18
QC - Nonhalogenated Organics by EPA 8015D - GRO	19
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	20
QC - Anions by EPA 300.0/9056A	21
Definitions and Notes	22
Chain of Custody etc.	23

Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 05/16/23 11:32
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E305058-01A	Soil	05/08/23	05/10/23	Glass Jar, 2 oz.
S1 - 2'	E305058-02A	Soil	05/08/23	05/10/23	Glass Jar, 2 oz.
S1 - 3'	E305058-03A	Soil	05/08/23	05/10/23	Glass Jar, 2 oz.
S1 - 4'	E305058-04A	Soil	05/08/23	05/10/23	Glass Jar, 2 oz.
S2 - 1'	E305058-05A	Soil	05/08/23	05/10/23	Glass Jar, 2 oz.
S2 - 2'	E305058-06A	Soil	05/08/23	05/10/23	Glass Jar, 2 oz.
S2 - 3'	E305058-07A	Soil	05/08/23	05/10/23	Glass Jar, 2 oz.
S2 - 4'	E305058-08A	Soil	05/08/23	05/10/23	Glass Jar, 2 oz.
SW-1	E305058-09A	Soil	05/08/23	05/10/23	Glass Jar, 2 oz.
SW-2	E305058-10A	Soil	05/08/23	05/10/23	Glass Jar, 2 oz.
SW-3	E305058-11A	Soil	05/08/23	05/10/23	Glass Jar, 2 oz.
SW-4	E305058-12A	Soil	05/08/23	05/10/23	Glass Jar, 2 oz.
BG-1	E305058-13A	Soil	05/08/23	05/10/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/16/2023 11:32:35AM
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S1 - 1'

E305058-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2319038
Benzene	0.0483	0.0250	1	05/10/23	05/11/23	
Ethylbenzene	3.58	0.0250	1	05/10/23	05/11/23	
Toluene	2.31	0.0250	1	05/10/23	05/11/23	
o-Xylene	2.18	0.0250	1	05/10/23	05/11/23	
p,m-Xylene	4.71	0.0500	1	05/10/23	05/11/23	
Total Xylenes	6.89	0.0250	1	05/10/23	05/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.9 %	70-130	05/10/23	05/11/23	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2319038
Gasoline Range Organics (C6-C10)	113	20.0	1	05/10/23	05/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	05/10/23	05/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2319047
Diesel Range Organics (C10-C28)	2140	250	10	05/11/23	05/11/23	
Oil Range Organics (C28-C36)	850	500	10	05/11/23	05/11/23	
<i>Surrogate: n-Nonane</i>		112 %	50-200	05/11/23	05/11/23	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS		Batch: 2319068
Chloride	23.9	20.0	1	05/12/23	05/15/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/16/2023 11:32:35AM
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S1 - 2'

E305058-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Benzene	ND	0.0250	1	05/10/23	05/15/23	
Ethylbenzene	ND	0.0250	1	05/10/23	05/15/23	
Toluene	ND	0.0250	1	05/10/23	05/15/23	
o-Xylene	ND	0.0250	1	05/10/23	05/15/23	
p,m-Xylene	ND	0.0500	1	05/10/23	05/15/23	
Total Xylenes	ND	0.0250	1	05/10/23	05/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.2 %	70-130	05/10/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/23	05/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.8 %	70-130	05/10/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2319047
Diesel Range Organics (C10-C28)	196	25.0	1	05/11/23	05/11/23	
Oil Range Organics (C28-C36)	95.1	50.0	1	05/11/23	05/11/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	05/11/23	05/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2319068
Chloride	ND	20.0	1	05/12/23	05/15/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/16/2023 11:32:35AM
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S1 - 3'

E305058-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Benzene	ND	0.0250	1	05/10/23	05/11/23	
Ethylbenzene	0.0500	0.0250	1	05/10/23	05/11/23	
Toluene	ND	0.0250	1	05/10/23	05/11/23	
o-Xylene	ND	0.0250	1	05/10/23	05/11/23	
p,m-Xylene	ND	0.0500	1	05/10/23	05/11/23	
Total Xylenes	ND	0.0250	1	05/10/23	05/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.8 %	70-130		05/10/23	05/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/23	05/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		05/10/23	05/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2319047
Diesel Range Organics (C10-C28)	54.8	25.0	1	05/11/23	05/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/11/23	05/11/23	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		05/11/23	05/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2319068
Chloride	ND	20.0	1	05/12/23	05/15/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/16/2023 11:32:35AM
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S1 - 4'

E305058-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Benzene	ND	0.0250	1	05/10/23	05/11/23	
Ethylbenzene	ND	0.0250	1	05/10/23	05/11/23	
Toluene	ND	0.0250	1	05/10/23	05/11/23	
o-Xylene	ND	0.0250	1	05/10/23	05/11/23	
p,m-Xylene	ND	0.0500	1	05/10/23	05/11/23	
Total Xylenes	ND	0.0250	1	05/10/23	05/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.7 %	70-130	05/10/23	05/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/23	05/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.6 %	70-130	05/10/23	05/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2319047
Diesel Range Organics (C10-C28)	43.7	25.0	1	05/11/23	05/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/11/23	05/11/23	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	05/11/23	05/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2319068
Chloride	ND	20.0	1	05/12/23	05/15/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/16/2023 11:32:35AM
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S2 - 1'

E305058-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Benzene	ND	0.0250	1	05/10/23	05/12/23	
Ethylbenzene	ND	0.0250	1	05/10/23	05/12/23	
Toluene	ND	0.0250	1	05/10/23	05/12/23	
o-Xylene	ND	0.0250	1	05/10/23	05/12/23	
p,m-Xylene	ND	0.0500	1	05/10/23	05/12/23	
Total Xylenes	ND	0.0250	1	05/10/23	05/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.4 %	70-130	05/10/23	05/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/23	05/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.2 %	70-130	05/10/23	05/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2319047
Diesel Range Organics (C10-C28)	ND	25.0	1	05/11/23	05/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/11/23	05/11/23	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	05/11/23	05/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2319068
Chloride	ND	20.0	1	05/12/23	05/15/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/16/2023 11:32:35AM
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S2 - 2'

E305058-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Benzene	ND	0.0250	1	05/10/23	05/12/23	
Ethylbenzene	ND	0.0250	1	05/10/23	05/12/23	
Toluene	ND	0.0250	1	05/10/23	05/12/23	
o-Xylene	ND	0.0250	1	05/10/23	05/12/23	
p,m-Xylene	ND	0.0500	1	05/10/23	05/12/23	
Total Xylenes	ND	0.0250	1	05/10/23	05/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.6 %	70-130	05/10/23	05/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/23	05/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.4 %	70-130	05/10/23	05/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2319047
Diesel Range Organics (C10-C28)	154	25.0	1	05/11/23	05/11/23	
Oil Range Organics (C28-C36)	69.7	50.0	1	05/11/23	05/11/23	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	05/11/23	05/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2319068
Chloride	ND	20.0	1	05/12/23	05/15/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/16/2023 11:32:35AM
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S2 - 3'

E305058-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Benzene	ND	0.0250	1	05/10/23	05/11/23	
Ethylbenzene	ND	0.0250	1	05/10/23	05/11/23	
Toluene	ND	0.0250	1	05/10/23	05/11/23	
o-Xylene	ND	0.0250	1	05/10/23	05/11/23	
p,m-Xylene	ND	0.0500	1	05/10/23	05/11/23	
Total Xylenes	ND	0.0250	1	05/10/23	05/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.8 %	70-130	05/10/23	05/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/23	05/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.2 %	70-130	05/10/23	05/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2319047
Diesel Range Organics (C10-C28)	36.9	25.0	1	05/11/23	05/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/11/23	05/11/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	05/11/23	05/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2319068
Chloride	ND	20.0	1	05/12/23	05/15/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/16/2023 11:32:35AM
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S2 - 4'

E305058-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Benzene	ND	0.0250	1	05/10/23	05/12/23	
Ethylbenzene	ND	0.0250	1	05/10/23	05/12/23	
Toluene	ND	0.0250	1	05/10/23	05/12/23	
o-Xylene	ND	0.0250	1	05/10/23	05/12/23	
p,m-Xylene	ND	0.0500	1	05/10/23	05/12/23	
Total Xylenes	ND	0.0250	1	05/10/23	05/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.9 %	70-130	05/10/23	05/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/23	05/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.1 %	70-130	05/10/23	05/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2319047
Diesel Range Organics (C10-C28)	168	25.0	1	05/11/23	05/11/23	
Oil Range Organics (C28-C36)	81.8	50.0	1	05/11/23	05/11/23	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	05/11/23	05/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2319068
Chloride	ND	20.0	1	05/12/23	05/15/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/16/2023 11:32:35AM
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SW-1

E305058-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Benzene	ND	0.0250	1	05/10/23	05/12/23	
Ethylbenzene	ND	0.0250	1	05/10/23	05/12/23	
Toluene	ND	0.0250	1	05/10/23	05/12/23	
o-Xylene	ND	0.0250	1	05/10/23	05/12/23	
p,m-Xylene	ND	0.0500	1	05/10/23	05/12/23	
Total Xylenes	ND	0.0250	1	05/10/23	05/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.6 %	70-130	05/10/23	05/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/23	05/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.0 %	70-130	05/10/23	05/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2319047
Diesel Range Organics (C10-C28)	ND	25.0	1	05/11/23	05/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/11/23	05/11/23	
<i>Surrogate: n-Nonane</i>		108 %	50-200	05/11/23	05/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2319068
Chloride	ND	20.0	1	05/12/23	05/15/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/16/2023 11:32:35AM
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SW-2

E305058-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Benzene	ND	0.0250	1	05/10/23	05/12/23	
Ethylbenzene	ND	0.0250	1	05/10/23	05/12/23	
Toluene	ND	0.0250	1	05/10/23	05/12/23	
o-Xylene	ND	0.0250	1	05/10/23	05/12/23	
p,m-Xylene	ND	0.0500	1	05/10/23	05/12/23	
Total Xylenes	ND	0.0250	1	05/10/23	05/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.0 %	70-130	05/10/23	05/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/23	05/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.1 %	70-130	05/10/23	05/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2319047
Diesel Range Organics (C10-C28)	ND	25.0	1	05/11/23	05/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/11/23	05/11/23	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	05/11/23	05/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2319068
Chloride	ND	20.0	1	05/12/23	05/15/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/16/2023 11:32:35AM
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SW-3

E305058-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Benzene	ND	0.0250	1	05/10/23	05/12/23	
Ethylbenzene	ND	0.0250	1	05/10/23	05/12/23	
Toluene	ND	0.0250	1	05/10/23	05/12/23	
o-Xylene	ND	0.0250	1	05/10/23	05/12/23	
p,m-Xylene	ND	0.0500	1	05/10/23	05/12/23	
Total Xylenes	ND	0.0250	1	05/10/23	05/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.3 %	70-130	05/10/23	05/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/23	05/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.7 %	70-130	05/10/23	05/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2319047
Diesel Range Organics (C10-C28)	ND	25.0	1	05/11/23	05/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/11/23	05/12/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	05/11/23	05/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2319068
Chloride	ND	20.0	1	05/12/23	05/15/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/16/2023 11:32:35AM
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SW-4

E305058-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Benzene	ND	0.0250	1	05/10/23	05/12/23	
Ethylbenzene	ND	0.0250	1	05/10/23	05/12/23	
Toluene	ND	0.0250	1	05/10/23	05/12/23	
o-Xylene	ND	0.0250	1	05/10/23	05/12/23	
p,m-Xylene	ND	0.0500	1	05/10/23	05/12/23	
Total Xylenes	ND	0.0250	1	05/10/23	05/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.4 %	70-130	05/10/23	05/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/23	05/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.6 %	70-130	05/10/23	05/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2319047
Diesel Range Organics (C10-C28)	ND	25.0	1	05/11/23	05/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/11/23	05/12/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	05/11/23	05/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2319068
Chloride	ND	20.0	1	05/12/23	05/15/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/16/2023 11:32:35AM
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BG-1
E305058-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Benzene	ND	0.0250	1	05/10/23	05/12/23	
Ethylbenzene	ND	0.0250	1	05/10/23	05/12/23	
Toluene	ND	0.0250	1	05/10/23	05/12/23	
o-Xylene	ND	0.0250	1	05/10/23	05/12/23	
p,m-Xylene	ND	0.0500	1	05/10/23	05/12/23	
Total Xylenes	ND	0.0250	1	05/10/23	05/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.2 %	70-130	05/10/23	05/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319038
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/23	05/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.5 %	70-130	05/10/23	05/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2319047
Diesel Range Organics (C10-C28)	ND	25.0	1	05/11/23	05/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/11/23	05/12/23	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	05/11/23	05/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2319068
Chloride	ND	20.0	1	05/12/23	05/15/23	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/16/2023 11:32:35AM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2319038-BLK1)

Prepared: 05/10/23 Analyzed: 05/11/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.2	70-130			

LCS (2319038-BS1)

Prepared: 05/10/23 Analyzed: 05/11/23

Benzene	3.99	0.0250	5.00		79.9	70-130			
Ethylbenzene	4.10	0.0250	5.00		82.0	70-130			
Toluene	4.20	0.0250	5.00		84.0	70-130			
o-Xylene	4.23	0.0250	5.00		84.6	70-130			
p,m-Xylene	8.34	0.0500	10.0		83.4	70-130			
Total Xylenes	12.6	0.0250	15.0		83.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.6	70-130			

Matrix Spike (2319038-MS1)

Source: E305058-07

Prepared: 05/10/23 Analyzed: 05/11/23

Benzene	4.59	0.0250	5.00	ND	91.7	54-133			
Ethylbenzene	4.78	0.0250	5.00	ND	95.7	61-133			
Toluene	4.87	0.0250	5.00	ND	97.4	61-130			
o-Xylene	4.92	0.0250	5.00	ND	98.4	63-131			
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			

Matrix Spike Dup (2319038-MSD1)

Source: E305058-07

Prepared: 05/10/23 Analyzed: 05/11/23

Benzene	4.64	0.0250	5.00	ND	92.8	54-133	1.16	20	
Ethylbenzene	4.80	0.0250	5.00	ND	96.1	61-133	0.439	20	
Toluene	4.91	0.0250	5.00	ND	98.2	61-130	0.821	20	
o-Xylene	4.96	0.0250	5.00	ND	99.2	63-131	0.797	20	
p,m-Xylene	9.72	0.0500	10.0	ND	97.2	63-131	0.172	20	
Total Xylenes	14.7	0.0250	15.0	ND	97.9	63-131	0.383	20	
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/16/2023 11:32:35AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2319038-BLK1)

Prepared: 05/10/23 Analyzed: 05/11/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.3	70-130			

LCS (2319038-BS2)

Prepared: 05/10/23 Analyzed: 05/11/23

Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			

Matrix Spike (2319038-MS2)

Source: E305058-07

Prepared: 05/10/23 Analyzed: 05/11/23

Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.1	70-130			

Matrix Spike Dup (2319038-MSD2)

Source: E305058-07

Prepared: 05/10/23 Analyzed: 05/11/23

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	94.0	70-130	1.15	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/16/2023 11:32:35AM
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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 (2319047-BLK1)

Prepared: 05/11/23 Analyzed: 05/11/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	52.5		50.0		105	50-200			

LCS (2319047-BS1)

Prepared: 05/11/23 Analyzed: 05/11/23

Diesel Range Organics (C10-C28)	283	25.0	250		113	38-132			
Surrogate: <i>n</i> -Nonane	51.2		50.0		102	50-200			

Matrix Spike (2319047-MS1)

Source: E305058-12

Prepared: 05/11/23 Analyzed: 05/11/23

Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	38-132			
Surrogate: <i>n</i> -Nonane	49.0		50.0		98.0	50-200			

Matrix Spike Dup (2319047-MSD1)

Source: E305058-12

Prepared: 05/11/23 Analyzed: 05/11/23

Diesel Range Organics (C10-C28)	288	25.0	250	ND	115	38-132	3.44	20	
Surrogate: <i>n</i> -Nonane	50.4		50.0		101	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/16/2023 11:32:35AM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2319068-BLK1)

Prepared: 05/12/23 Analyzed: 05/15/23

Chloride	ND	20.0							
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LCS (2319068-BS1)

Prepared: 05/12/23 Analyzed: 05/15/23

Chloride	271	20.0	250		108	90-110			
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Matrix Spike (2319068-MS1)

Source: E305058-01

Prepared: 05/12/23 Analyzed: 05/15/23

Chloride	294	20.0	250	23.9	108	80-120			
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Matrix Spike Dup (2319068-MSD1)

Source: E305058-01

Prepared: 05/12/23 Analyzed: 05/15/23

Chloride	296	20.0	250	23.9	109	80-120	0.618	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Allied Federal	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/16/23 11:32

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Client: Pima Environmental Services
 Project: Allied Federal
 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 # 285-2

Lab Use Only		TAT				EPA Program				
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA			
<u>E305058</u>	<u>01058-0007</u>				X					
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			
						State				
						NM	CO	UT	AZ	TX
						X				
Remarks										

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:00 AM	5/8/23	S	1	S1-1	1							X		
8:05 AM	5/8/23			S1-2	2									
8:10 AM	5/8/23			S1-3	3									
8:15 AM	5/8/23			S1-4	4									
8:20 AM	5/8/23			S2-1	5									
8:25 AM	5/8/23			S2-2	6									
8:30 AM	5/8/23			S2-3	7									
8:35 AM	5/8/23			S2-4	8									
8:40 AM	5/8/23			SW-1	9									
8:45 AM	5/8/23			SW-2	10									

Additional Instructions: Billing # 21164020

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<u>Karime Adams</u>	<u>5/9/23</u>	<u>2:00</u>	<u>Micelle Camps</u>	<u>5-9-23</u>	<u>1400</u>	Received on ice: <u>Y/N</u>
<u>Micelle Camps</u>	<u>5-9-23</u>	<u>1700</u>	<u>Andrew Messo</u>	<u>5-9-23</u>	<u>1700</u>	T1 _____ T2 _____ T3 _____
<u>Andrew Messo</u>	<u>5-9-23</u>	<u>2300</u>	<u>Caitlin Mass</u>	<u>5/10/23</u>	<u>8:27</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

Client: Pima Environmental Services		Bill To		Lab Use Only		TAT		EPA Program													
Project: <u>Alleg Federal</u>		Attention: <u>Devon</u>		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA										
Project Manager: Tom Bynum		Address:		<u>E305058</u>	<u>01058-0007</u>				<u>X</u>												
Address: 56 14 N. Lovington Hwy.		City, State, Zip		Analysis and Method																	
City, State, Zip: Hobbs, NM, 88240		Phone:		DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX										
Phone: 580-748-1613		Email:		State																	
Email: tom@pimaoil.com		Pima Project # <u>285-2</u>		<table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>AZ</td> <td>TX</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>								NM	CO	UT	AZ	TX	<input checked="" type="checkbox"/>				
NM	CO	UT	AZ	TX																	
<input checked="" type="checkbox"/>																					
Report due by:		Remarks																			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:50	5/8/23	S	1	SW-3	11							<u>X</u>		
8:55	5/8/23	L	L	SW-4	12									
9:00	5/8/23	L	L	BG-1	13									

Additional Instructions: Billing # 21164020

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: [Signature]

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.

Relinquished by: (Signature) <u>Yarime Adame</u>	Date <u>5/9/23</u>	Time <u>2:00</u>	Received by: (Signature) <u>Micula Geyzels</u>	Date <u>5-9-23</u>	Time <u>1400</u>	Lab Use Only Received on ice: <u>(Y) N</u>
Relinquished by: (Signature) <u>Micula Geyzels</u>	Date <u>5-9-23</u>	Time <u>1700</u>	Received by: (Signature) <u>Andrew MBS</u>	Date <u>5-9-23</u>	Time <u>1700</u>	T1 _____ T2 _____ T3 _____
Relinquished by: (Signature) <u>Andrew MBS</u>	Date <u>5-9-23</u>	Time <u>2300</u>	Received by: (Signature) <u>Cathy MBS</u>	Date <u>5/10/23</u>	Time <u>8:27</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: 5/10/2023 9:44:10AM

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:	05/10/23 08:27	Work Order ID:	E305058
Phone:	(575) 631-6977	Date Logged In:	05/09/23 15:47	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	05/16/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Carrier: Courier

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Allied Federal 7 Battery

Work Order: E308238

Job Number: 01058-0007

Received: 9/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/5/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/5/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Allied Federal 7 Battery
Workorder: E308238
Date Received: 9/1/2023 5:45:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/1/2023 5:45:00AM, under the Project Name: Allied Federal 7 Battery.

The analytical test results summarized in this report with the Project Name: Allied Federal 7 Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
CS1 Bottoms	5
CS2 Bottoms	6
CSW1	7
CSW2	8
CSW3	9
CSW4	10
QC Summary Data	11
QC - Volatile Organics by EPA 8021B	11
QC - Nonhalogenated Organics by EPA 8015D - GRO	12
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	13
QC - Anions by EPA 300.0/9056A	14
Definitions and Notes	15
Chain of Custody etc.	16

Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal 7 Battery Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 09/05/23 08:49
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1 Bottoms	E308238-01A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS2 Bottoms	E308238-02A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CSW1	E308238-03A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CSW2	E308238-04A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CSW3	E308238-05A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CSW4	E308238-06A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal 7 Battery Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/5/2023 8:49:27AM
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CS1 Bottoms
E308238-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335080
Benzene	ND	0.0250	1	08/31/23	09/01/23	
Ethylbenzene	ND	0.0250	1	08/31/23	09/01/23	
Toluene	ND	0.0250	1	08/31/23	09/01/23	
o-Xylene	ND	0.0250	1	08/31/23	09/01/23	
p,m-Xylene	ND	0.0500	1	08/31/23	09/01/23	
Total Xylenes	ND	0.0250	1	08/31/23	09/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.4 %	70-130	08/31/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335080
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/31/23	09/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.5 %	70-130	08/31/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2335096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
<i>Surrogate: n-Nonane</i>		93.5 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335087
Chloride	ND	20.0	1	08/31/23	09/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal 7 Battery Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/5/2023 8:49:27AM
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CS2 Bottoms

E308238-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2335080
Benzene	ND	0.0250	1	08/31/23	09/01/23	
Ethylbenzene	ND	0.0250	1	08/31/23	09/01/23	
Toluene	ND	0.0250	1	08/31/23	09/01/23	
o-Xylene	ND	0.0250	1	08/31/23	09/01/23	
p,m-Xylene	ND	0.0500	1	08/31/23	09/01/23	
Total Xylenes	ND	0.0250	1	08/31/23	09/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.0 %	70-130	08/31/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2335080
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/31/23	09/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.2 %	70-130	08/31/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2335096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
<i>Surrogate: n-Nonane</i>		96.2 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2335087
Chloride	ND	20.0	1	08/31/23	09/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal 7 Battery Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/5/2023 8:49:27AM
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CSW1

E308238-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2335080
Benzene	ND	0.0250	1	08/31/23	09/01/23	
Ethylbenzene	ND	0.0250	1	08/31/23	09/01/23	
Toluene	ND	0.0250	1	08/31/23	09/01/23	
o-Xylene	ND	0.0250	1	08/31/23	09/01/23	
p,m-Xylene	ND	0.0500	1	08/31/23	09/01/23	
Total Xylenes	ND	0.0250	1	08/31/23	09/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.3 %	70-130	08/31/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2335080
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/31/23	09/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.0 %	70-130	08/31/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2335096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
<i>Surrogate: n-Nonane</i>		96.1 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2335087
Chloride	ND	20.0	1	08/31/23	09/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal 7 Battery Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/5/2023 8:49:27AM
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CSW2

E308238-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2335080
Benzene	ND	0.0250	1	08/31/23	09/01/23	
Ethylbenzene	ND	0.0250	1	08/31/23	09/01/23	
Toluene	ND	0.0250	1	08/31/23	09/01/23	
o-Xylene	ND	0.0250	1	08/31/23	09/01/23	
p,m-Xylene	ND	0.0500	1	08/31/23	09/01/23	
Total Xylenes	ND	0.0250	1	08/31/23	09/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.4 %	70-130	08/31/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2335080
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/31/23	09/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.3 %	70-130	08/31/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2335096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
<i>Surrogate: n-Nonane</i>		98.1 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2335087
Chloride	ND	20.0	1	08/31/23	09/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal 7 Battery Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/5/2023 8:49:27AM
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CSW3

E308238-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335080
Benzene	ND	0.0250	1	08/31/23	09/01/23	
Ethylbenzene	ND	0.0250	1	08/31/23	09/01/23	
Toluene	ND	0.0250	1	08/31/23	09/01/23	
o-Xylene	ND	0.0250	1	08/31/23	09/01/23	
p,m-Xylene	ND	0.0500	1	08/31/23	09/01/23	
Total Xylenes	ND	0.0250	1	08/31/23	09/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.8 %	70-130	08/31/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335080
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/31/23	09/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.1 %	70-130	08/31/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2335096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
<i>Surrogate: n-Nonane</i>						
		96.7 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335087
Chloride	ND	20.0	1	08/31/23	09/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal 7 Battery Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/5/2023 8:49:27AM
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CSW4

E308238-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2335080
Benzene	ND	0.0250	1	08/31/23	09/01/23	
Ethylbenzene	ND	0.0250	1	08/31/23	09/01/23	
Toluene	ND	0.0250	1	08/31/23	09/01/23	
o-Xylene	ND	0.0250	1	08/31/23	09/01/23	
p,m-Xylene	ND	0.0500	1	08/31/23	09/01/23	
Total Xylenes	ND	0.0250	1	08/31/23	09/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.7 %	70-130	08/31/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2335080
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/31/23	09/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.1 %	70-130	08/31/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2335096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
<i>Surrogate: n-Nonane</i>		95.8 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2335087
Chloride	ND	20.0	1	08/31/23	09/01/23	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal 7 Battery Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/5/2023 8:49:27AM
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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 (2335080-BLK1)

Prepared: 08/31/23 Analyzed: 08/31/23

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	7.46		8.00		93.3		70-130		

LCS (2335080-BS1)

Prepared: 08/31/23 Analyzed: 09/01/23

Benzene	5.15	0.0250	5.00		103		70-130		
Ethylbenzene	5.00	0.0250	5.00		100		70-130		
Toluene	5.17	0.0250	5.00		103		70-130		
o-Xylene	5.12	0.0250	5.00		102		70-130		
p,m-Xylene	10.3	0.0500	10.0		103		70-130		
Total Xylenes	15.5	0.0250	15.0		103		70-130		
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.3		70-130		

Matrix Spike (2335080-MS1)

Source: E308238-06

Prepared: 08/31/23 Analyzed: 09/01/23

Benzene	5.33	0.0250	5.00	ND	107		54-133		
Ethylbenzene	5.15	0.0250	5.00	ND	103		61-133		
Toluene	5.35	0.0250	5.00	ND	107		61-130		
o-Xylene	5.29	0.0250	5.00	ND	106		63-131		
p,m-Xylene	10.6	0.0500	10.0	ND	106		63-131		
Total Xylenes	15.9	0.0250	15.0	ND	106		63-131		
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.3		70-130		

Matrix Spike Dup (2335080-MSD1)

Source: E308238-06

Prepared: 08/31/23 Analyzed: 09/01/23

Benzene	5.03	0.0250	5.00	ND	101		54-133	5.89	20
Ethylbenzene	4.86	0.0250	5.00	ND	97.1		61-133	5.89	20
Toluene	5.04	0.0250	5.00	ND	101		61-130	5.98	20
o-Xylene	4.99	0.0250	5.00	ND	99.9		63-131	5.82	20
p,m-Xylene	10.0	0.0500	10.0	ND	100		63-131	5.89	20
Total Xylenes	15.0	0.0250	15.0	ND	100		63-131	5.87	20
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.2		70-130		



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal 7 Battery Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/5/2023 8:49:27AM
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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 (2335080-BLK1)

Prepared: 08/31/23 Analyzed: 08/31/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.90		8.00		86.2	70-130			

LCS (2335080-BS2)

Prepared: 08/31/23 Analyzed: 09/01/23

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		98.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.00		8.00		87.5	70-130			

Matrix Spike (2335080-MS2)

Source: E308238-06

Prepared: 08/31/23 Analyzed: 09/01/23

Gasoline Range Organics (C6-C10)	47.8	20.0	50.0	ND	95.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.03		8.00		87.9	70-130			

Matrix Spike Dup (2335080-MSD2)

Source: E308238-06

Prepared: 08/31/23 Analyzed: 09/01/23

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.8	70-130	1.28	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal 7 Battery Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/5/2023 8:49:27AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2335096-BLK1)

Prepared: 09/01/23 Analyzed: 09/01/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.0		50.0		94.1	50-200			

LCS (2335096-BS1)

Prepared: 09/01/23 Analyzed: 09/01/23

Diesel Range Organics (C10-C28)	232	25.0	250		92.6	38-132			
Surrogate: n-Nonane	43.4		50.0		86.8	50-200			

Matrix Spike (2335096-MS1)

Source: E308231-23

Prepared: 09/01/23 Analyzed: 09/01/23

Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.3	38-132			
Surrogate: n-Nonane	45.3		50.0		90.7	50-200			

Matrix Spike Dup (2335096-MSD1)

Source: E308231-23

Prepared: 09/01/23 Analyzed: 09/01/23

Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.6	38-132	0.730	20	
Surrogate: n-Nonane	45.9		50.0		91.9	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Allied Federal 7 Battery Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/5/2023 8:49:27AM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2335087-BLK1)

Prepared: 08/31/23 Analyzed: 09/01/23

Chloride ND 20.0

LCS (2335087-BS1)

Prepared: 08/31/23 Analyzed: 09/01/23

Chloride 247 20.0 250 98.7 90-110

LCS Dup (2335087-BSD1)

Prepared: 08/31/23 Analyzed: 09/01/23

Chloride 245 20.0 250 98.1 90-110 0.682 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:	Allied Federal 7 Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/05/23 08:49

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Client: Pima Environmental Services Project: Allied Federal 7 Battery 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 # 285-2		Lab Use Only Lab WO# E308238 Job Number 01058-0007		TAT 1D 2D 3D Standard X		EPA Program CWA SDWA RCRA	
				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		State NM CO UT AZ TX X		Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
4:00 PM	8/30	S	1	CS1 } Bottoms	1							X		
4:07				CS2 }	2									
4:10				CSW1	3									
4:18				CSW2	4									
4:23				CSW3	5									
4:28				CSW4	6									

Additional Instructions: Billing # 21164020

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

Relinquished by: (Signature) Kentine Adams Date: 8/31/23 Time: 2:00		Received by: (Signature) Michelle Caye Date: 8-31-23 Time: 1400		Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 T2 T3 AVG Temp °C 4
Relinquished by: (Signature) Michelle Caye Date: 8/31/23 Time: 1715		Received by: (Signature) Andrew Muzo Date: 8/31/23 Time: 2000		
Relinquished by: (Signature) Andrew Muzo Date: 9-1-23 Time: 0245		Received by: (Signature) Cathi Mae Date: 9/1/23 Time: 5:45		

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

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



Envirotech Analytical Laboratory

Printed: 9/1/2023 10:31:32AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Pima Environmental Services-Carlsbad Date Received: 09/01/23 05:45 Work Order ID: E308238
Phone: (575) 631-6977 Date Logged In: 08/31/23 14:37 Logged In By: Caitlin Mars
Email: tom@pimaoil.com Due Date: 09/01/23 17:00 (0 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

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

Date



envirotech Inc.

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

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

CONDITIONS

Action 265461

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 265461
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2312548979 ALLIED 7 FEDERAL #001, thank you. This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation including pictures of the contoured backfilled excavation surface and a thorough discussion on reseeding mixture, vegetation ratio, timelines, etc., will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	2/7/2024