

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>&lt;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 <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico  
Oil Conservation Division

Page 4

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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@dn.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](mailto: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

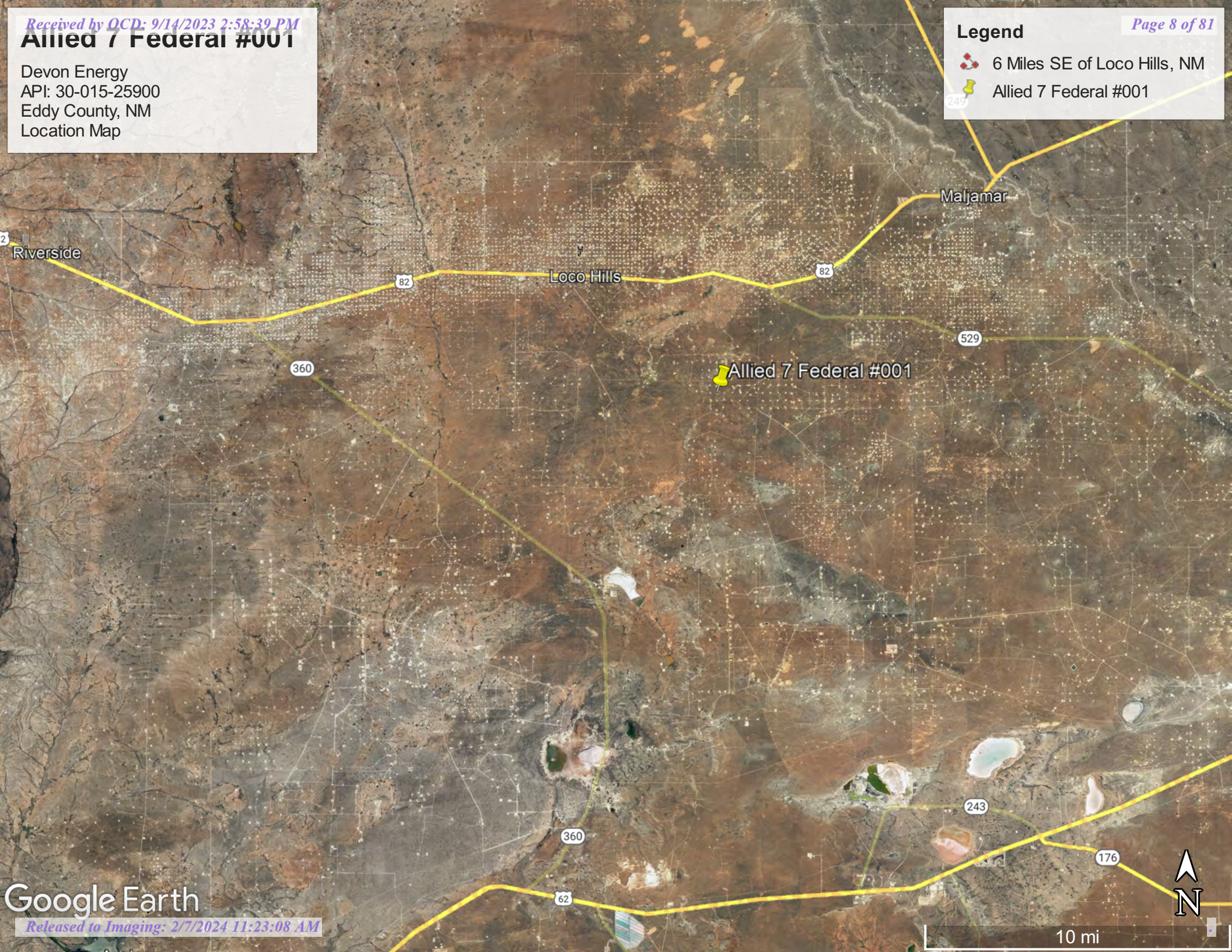


**Allied 7 Federal #001**

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

**Legend**


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

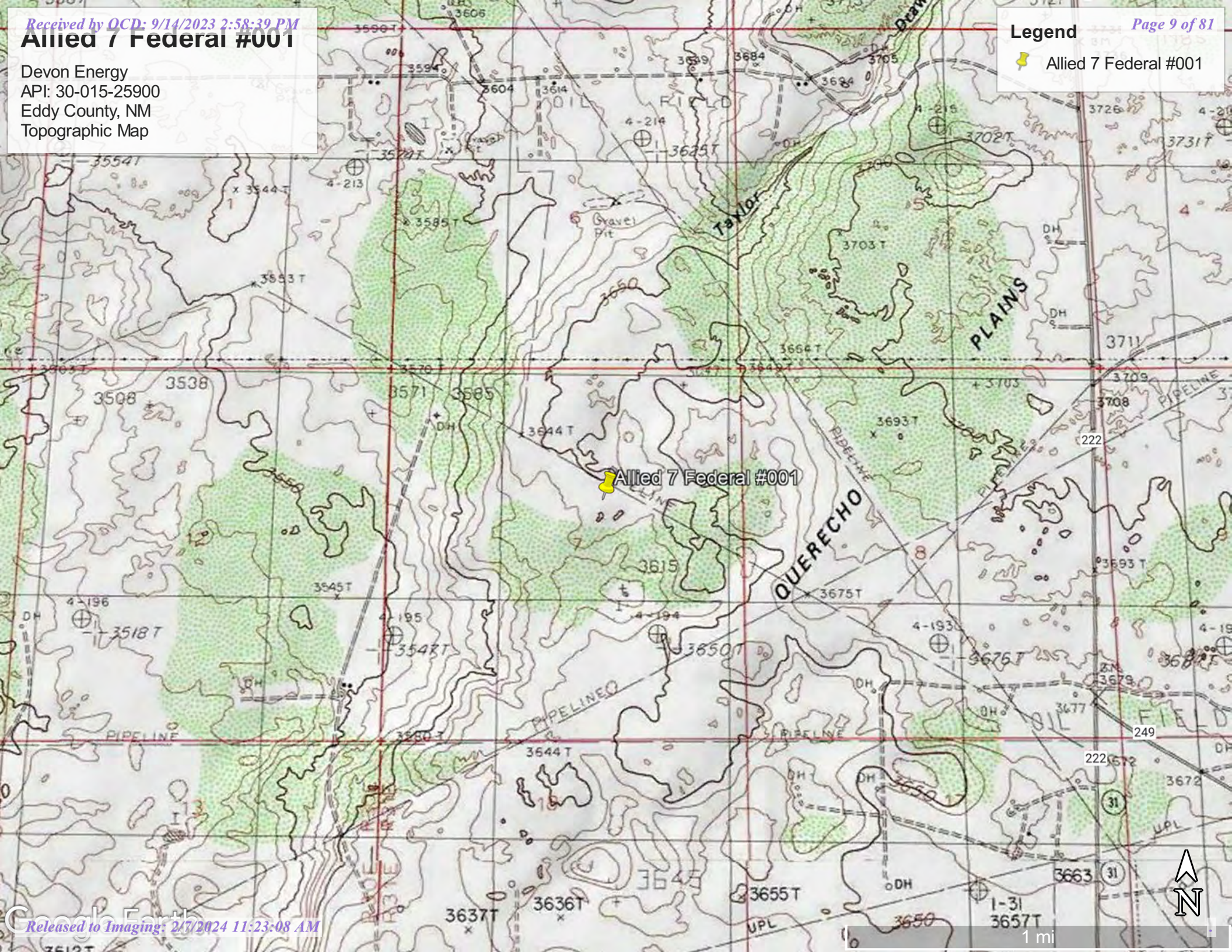




Devon Energy  
API: 30-015-25900  
Eddy County, NM  
Topographic Map

**Legend**

 Allied 7 Federal #001





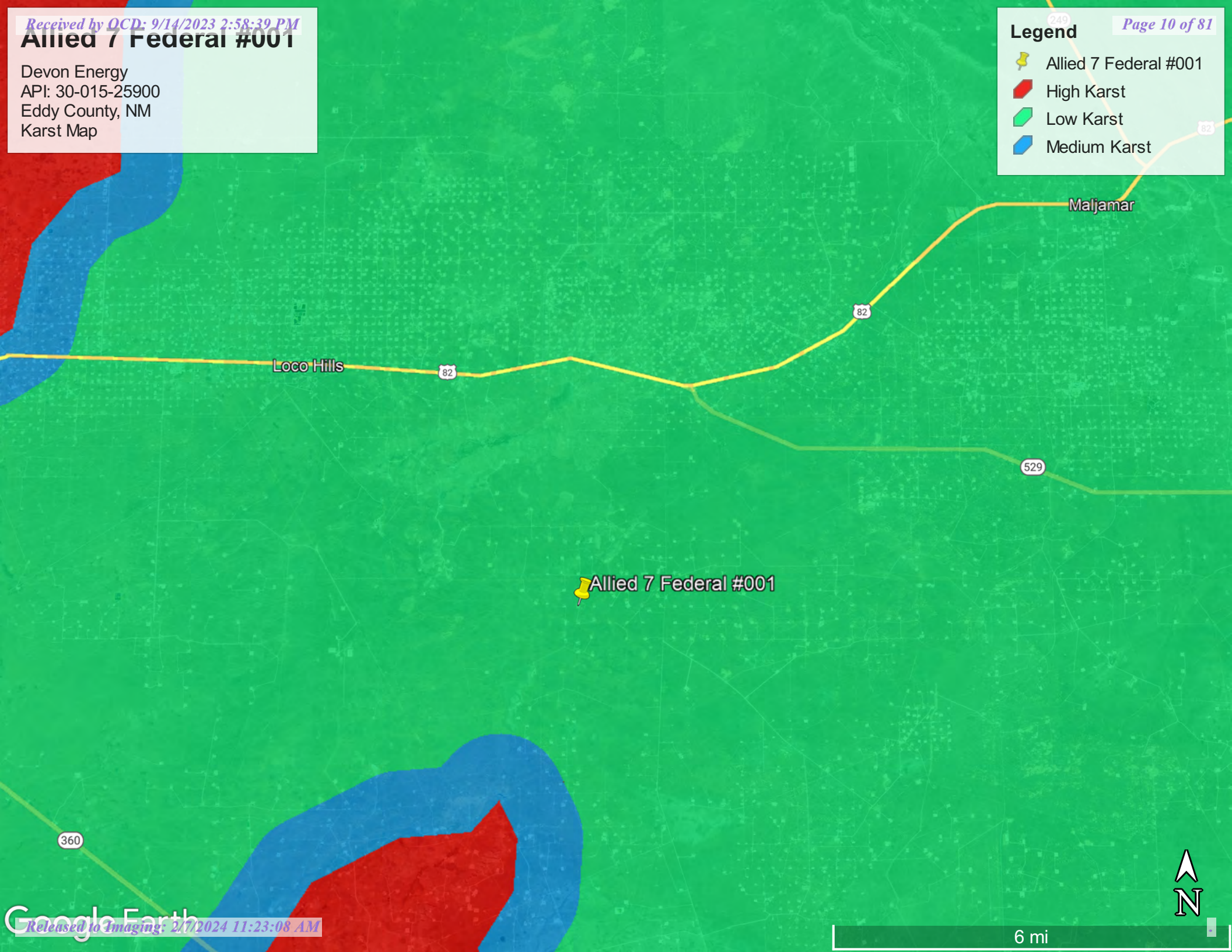
# Allied 7 Federal #001

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

Page 10 of 81

Legend

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







6 mi



# 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








# Allied 7 Federal #001

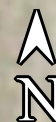
Devon Energy  
API:30-015-25900  
Eddy County, NM  
Confirmation Sample Map

## Legend

-  Allied 7 Federal #1
-  Confirmation Samples

CSW3  
CS2  
CSW4  
CSW2  
CS1  
CSW1

Allied 7 Federal #1 



70 ft





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**Appendix A**

Water Surveys:

OSE

USGS

Surface Water Map



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

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

(In feet)

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

### UTM NAD83 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

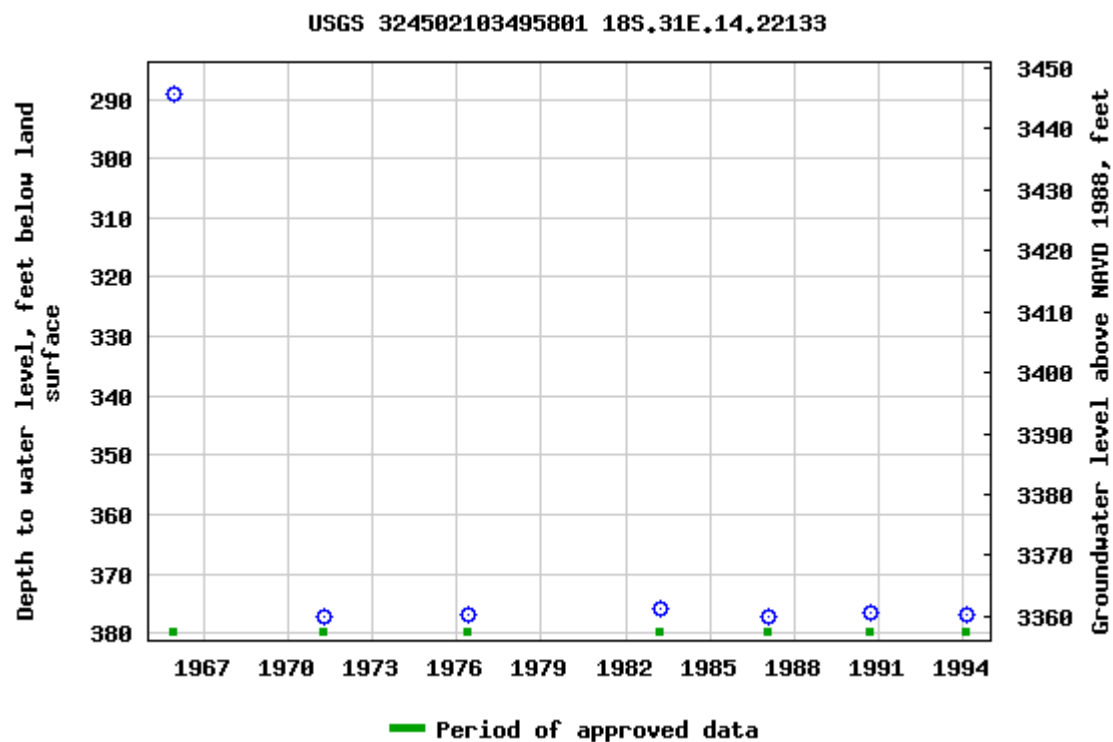
Land-surface elevation 3,736 feet above NAVD88

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](#)

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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



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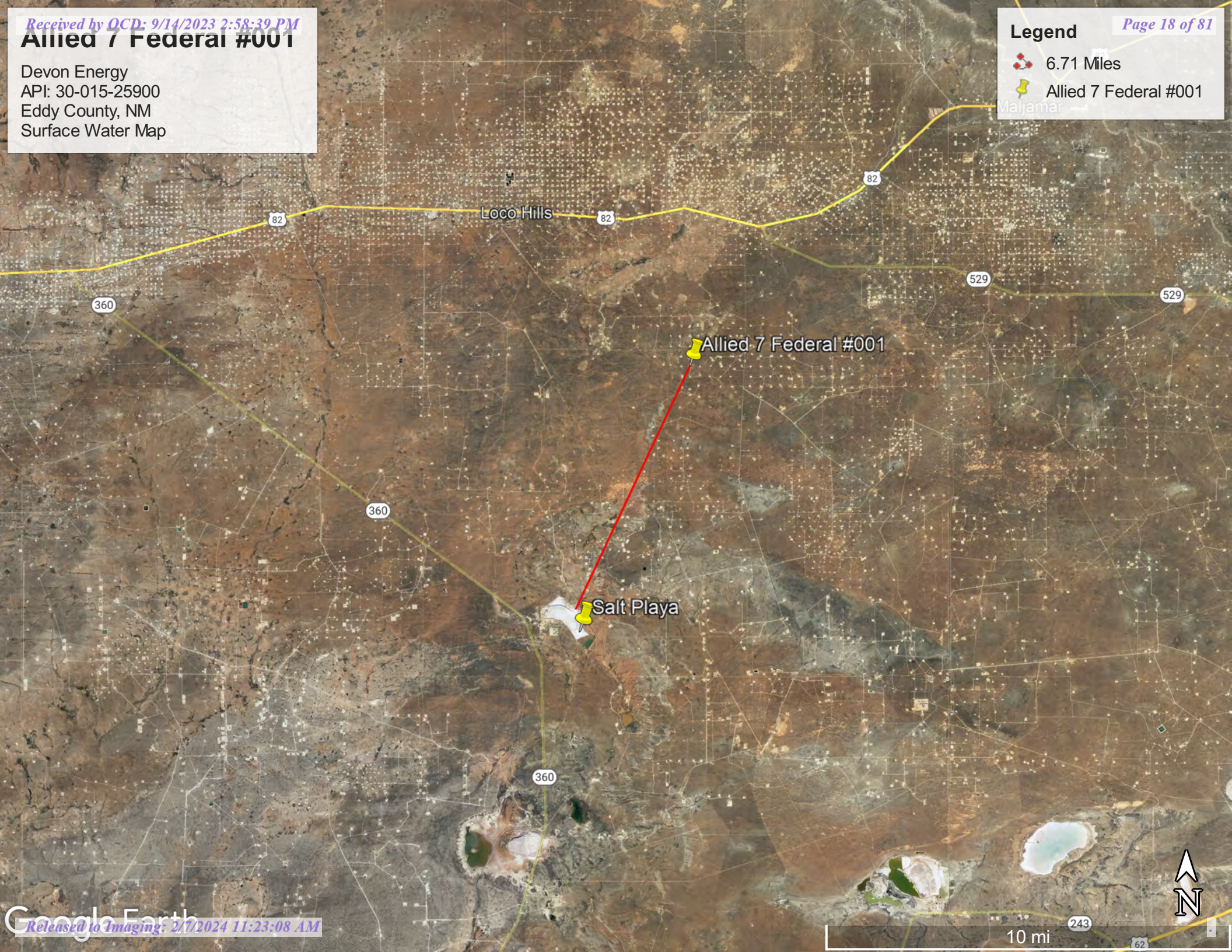


**Allied 7 Federal #001**

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

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## 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

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## 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) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

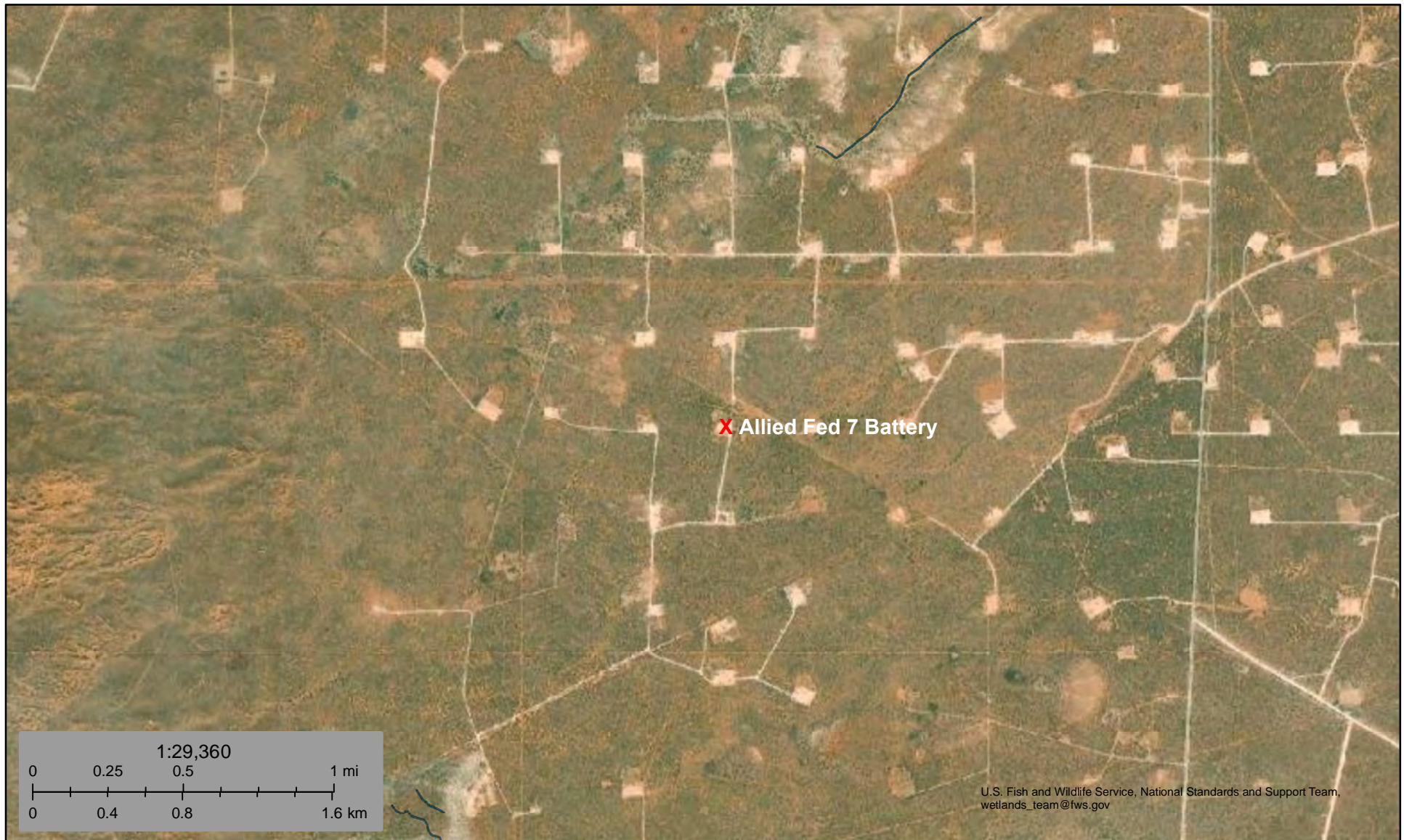
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/22/2023 at 1:23 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by 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
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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



Pima Environmental Services

**Appendix C**

C-141 Form

48-Hour Notification



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

State of New Mexico  
Energy Minerals and Natural  
Resources Department

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

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

Incident ID	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.

Incident ID	nAPP2312548979
District RP	
Facility ID	
Application ID	

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

## Initial Response

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

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

Ready Accessibility: Investigate

**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

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>&lt;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 <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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



State of New Mexico  
Oil Conservation Division

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@dn.com Telephone: 575-748-1838

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAPP2312548979
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 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**

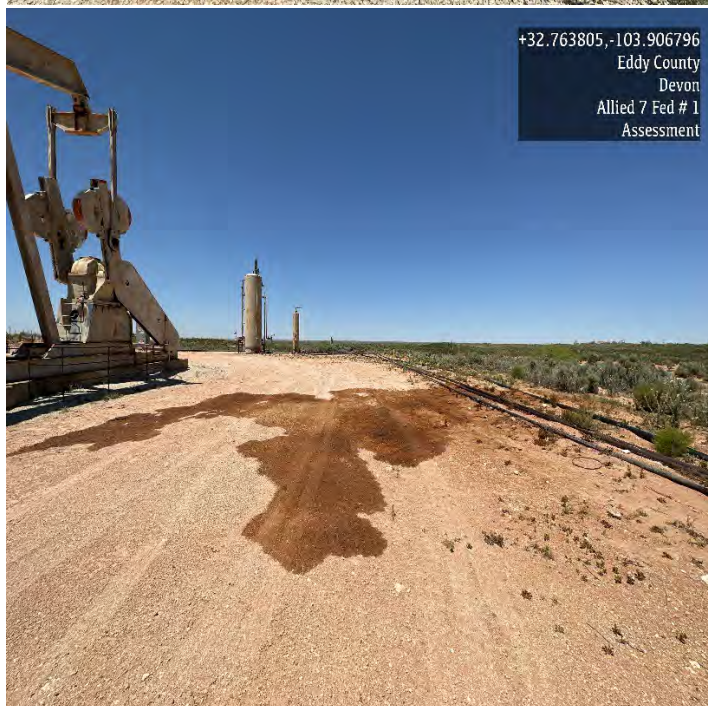
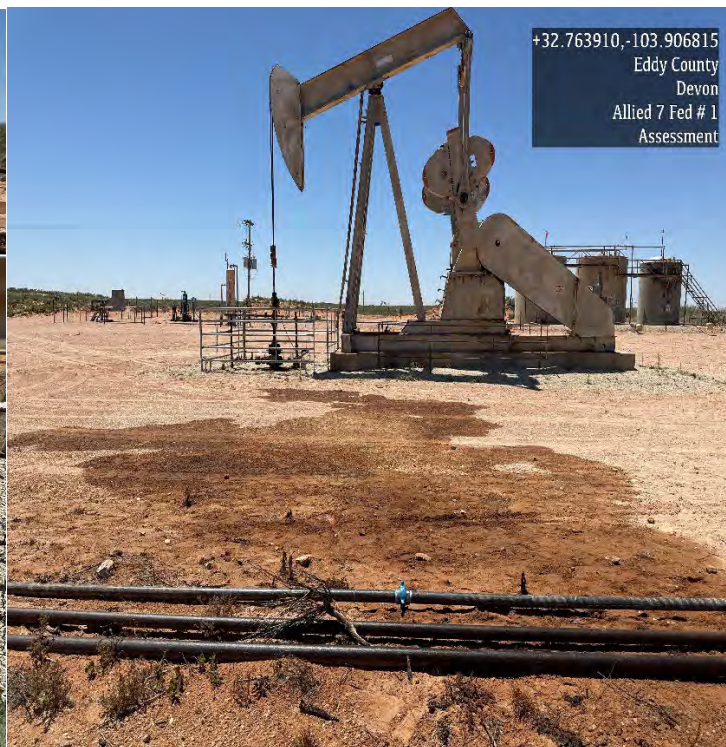
Photographic Documentation





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

**Site Assessment**







Excavation







32.763862, -103.906784  
Eddy County  
Devon  
Allied Fed 7  
Excavation



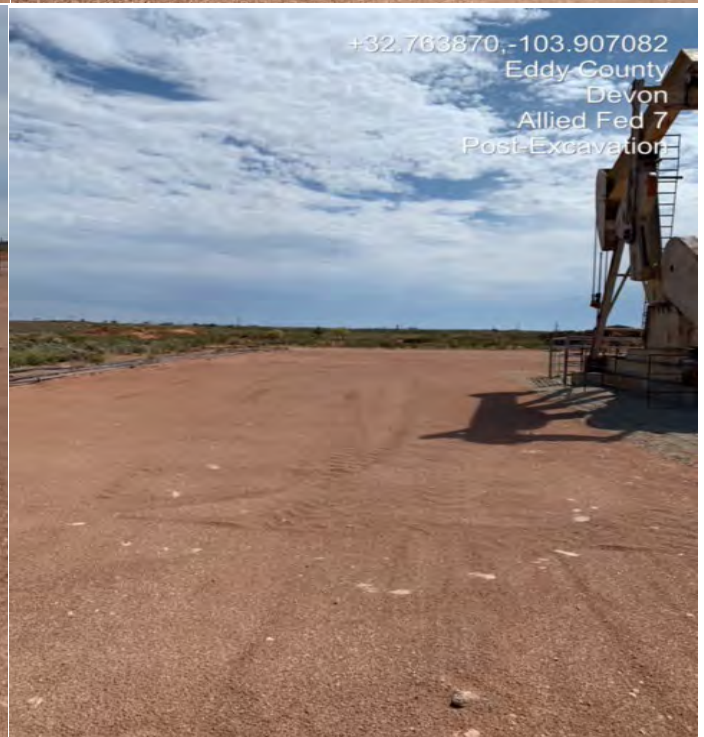
32.763845, -103.906898  
Eddy County  
Devon  
Allied Fed 7  
Excavation



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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto: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](mailto: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](http://www.envirotech-inc.com)

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## Sample Summary

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

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
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

S1 - 1'

E305058-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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

S1 - 2'

E305058-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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

S1 - 3'

E305058-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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

S1 - 4'

E305058-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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

S2 - 1'

E305058-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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

S2 - 2'

E305058-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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

S2 - 3'

E305058-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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

S2 - 4'

E305058-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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

## SW-1

## E305058-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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

## SW-2

## E305058-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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

## SW-3

## E305058-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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

## SW-4

## E305058-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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

## BG-1

## E305058-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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	Project Name:	Allied Federal	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/16/2023 11:32:35AM

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

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

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: n-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: n-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: n-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: n-Nonane	50.4		50.0		101	50-200			



QC Summary Data

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

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2319068-BLK1)					Prepared: 05/12/23 Analyzed: 05/15/23				
Chloride	ND	20.0							
LCS (2319068-BS1)					Prepared: 05/12/23 Analyzed: 05/15/23				
Chloride	271	20.0	250		108	90-110			
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			
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	

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.



## Project Information

## Chain of Custody

Page 1 of 2

Client: Pima Environmental Services		Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Allied Federal</u>		Attention: <u>Devon</u>		Lab WO# <u>E305058</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:		City, State, Zip		Analysis and Method							
Address: 5614 N. Lovington Hwy.		Phone:		Email:									
City, State, Zip Hobbs, NM, 88240		Pima Project # <u>285-2</u>											
Phone: 580-748-1613													
Email: tom@pimaoil.com													
Report due by:													

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

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

Relinquished by: (Signature) <u>Karine Adams</u>	Date <u>5/9/23</u>	Time <u>2:00</u>	Received by: (Signature) <u>Micelle Camps</u>	Date <u>5-9-23</u>	Time <u>1400</u>	Lab Use Only Received on ice: <u>Y/N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Micelle Camps</u>	Date <u>5-9-23</u>	Time <u>1700</u>	Received by: (Signature) <u>Andrew Messo</u>	Date <u>5-9-23</u>	Time <u>1700</u>	
Relinquished by: (Signature) <u>Andrew Messo</u>	Date <u>5-9-23</u>	Time <u>2300</u>	Received by: (Signature) <u>Caitlin Mann</u>	Date <u>5/10/23</u>	Time <u>8:27</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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Office: 505-632-1881  
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**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

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**Lynn Jarboe**  
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[ljjarboe@envirotech-inc.com](mailto: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](http://www.envirotech-inc.com)



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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Allied Federal 7 Battery	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/05/23 08:49

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	<b>Reported:</b> 9/5/2023 8:49:27AM
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### CS1 Bottoms

#### E308238-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<b>Anions by EPA 300.0/9056A</b>	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

## CS2 Bottoms

E308238-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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

## CSW1

## E308238-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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

## CSW2

## E308238-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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

## CSW3

## E308238-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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

## CSW4

E308238-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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	Project Name:	Allied Federal 7 Battery	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/5/2023 8:49:27AM

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

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (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.



## Project Information

## Chain of Custody

Page 1 of 1

Client: Pima Environmental Services Project: <u>Allied Federal 7 Battery</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip Phone: Email: Pima Project # <u>285-2</u>					Lab Use Only Lab WO# <u>E308238</u> Job Number <u>01058-0007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX X				Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															
4:00 PM	8/30	S	1	CS1 } Bottoms	1															
4:07				CS2 }	2															
4:10				CSW1	3															
4:18				CSW2	4															
4:23				CSW3	5															
4:28				CSW4	6															
Additional Instructions: <u>Billing # 2164020</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.																				
Relinquished by: (Signature) <u>Kentine Adams</u> Date <u>8/31/23</u> Time <u>2:00</u> Received by: (Signature) <u>Michelle Cangelosi</u> Date <u>8-31-23</u> Time <u>1400</u>																				
Relinquished by: (Signature) <u>Michelle Cangelosi</u> Date <u>8/31/23</u> Time <u>1715</u> Received by: (Signature) <u>Melissa Muzo</u> Date <u>8-31-23</u> Time <u>2000</u>																				
Relinquished by: (Signature) <u>Melissa Muzo</u> Date <u>9-1-23</u> Time <u>0245</u> Received by: (Signature) <u>Caitlin Mar</u> Date <u>9/1/23</u> Time <u>5:45</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: 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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

**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