



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

March 14<sup>th</sup>, 2022

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

**Re: Site Assessment, Remediation, and Closure Report**  
**Flat Head Federal Com #027H Flowline**  
**API No. N/A**  
**GPS: Latitude 32.839754 Longitude -103.739695**  
**UL C, Sec. 14, T17S, R32E**  
**Lea County, NM**  
**NMOCD Ref. No. NAPP2130548866**

Pima Environmental Services, LLC. (Pima) has been contracted by Spur Energy Partners, LLC. (Spur) to perform a spill assessment, remediation, and submit this closure report for a produced water release that occurred at the Flat Head Federal Com #027H Flowline (Flat Head). The initial C-141 was submitted on November 14<sup>th</sup>, 2021 (Appendix C). This incident was assigned Incident ID NAPP2130548866 by the New Mexico Oil Conservation Division (NMOCD).

#### Site Characterization

The Flat Head is located approximately 1.74 miles southeast of Maljamar, NM. This spill site is in Unit C, Section 14, Township 17S, Range 32E, Latitude 32.839754 Longitude -103.73965, Lea County, NM. Figure 1 references a Location map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Eolian and piedmont deposits. 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-Wink complex, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are excessively drained. There is a low potential for karst geology to be present around the Flat Head (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 179 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 48 feet BGS. The closest waterway Playa located approximately 25.04 miles to the west 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

**NAPP2130548866;** On October 27<sup>th</sup>, 2021, a flow line was cut by a tractor. The released fluids were calculated to be approximately 50 barrels (bbls) of produced water. A vacuum truck was able to recover approximately 45 bbls of fluid.

### Site Assessment and Soil Sampling Results

On October 28<sup>th</sup>, 2021, Pima Environmental mobilized personnel, and equipment to the site to provide immediate response activities. We washed down the roadway and shoulders with a bioremediation chemical solution.

On November 17<sup>th</sup>, 2021, Pima personnel returned to the site to assess the area. We sampled the area around the blacktop road and pasture. Laboratory results of this sampling event can be found in the following data table. A site map can be found in Figure 4.

11-17-21 Soil Sample Results								
NMOCD Table 1 Closure Criteria 19.15.29 NMAC - DTGW is <50'								
Spur Energy - Flat Head Federal Com #27H Flowline								
Date 11/17/21		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	2'	ND	ND	ND	ND	ND	0	13300
	4'	ND	ND	ND	ND	ND	0	592
S-2	2'	ND	ND	ND	ND	ND	0	15100
	4'	ND	ND	ND	ND	ND	0	400
	5'	ND	ND	ND	ND	10.4	10.4	240
S-3	2'	ND	ND	ND	ND	ND	0	14400
	4'	ND	ND	ND	ND	ND	0	4200
	5'	ND	ND	ND	ND	ND	0	176
S-4	2'	ND	ND	ND	ND	ND	0	16000
	5'	ND	ND	ND	ND	ND	0	208
S-5	0-6"	ND	ND	ND	13.6	ND	13.6	192
	1'	ND	ND	ND	11.7	19.8	31.5	208
SW-1	0-6"	ND	ND	ND	ND	11.9	11.9	64
SW-2	0-6"	ND	ND	ND	10.7	16.1	26.8	32
SW-3	0-6"	ND	ND	ND	14	27.1	41.1	48
SW-4	0-6"	ND	ND	ND	18	39	57	48
SW-5	0-6"	ND	ND	ND	12.7	16.4	29.1	64
SW-6	0-6"	ND	ND	ND	11	16.4	27.4	64

ND- Analyte Not Detected

### Remediation Activities

On February 7<sup>th</sup>, 2022, Pima mobilized personnel and equipment to conduct remedial activities. We excavated the contaminated areas on the north and south sides of the roadway. Samples were taken during the project to ensure that all contamination had been removed. The contaminated soil was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On February 11<sup>th</sup>, 2022, after sending a 48-hour notification (Appendix C), Pima collected confirmation samples of the excavated areas. Laboratory results of this sampling event can be found in the following data table. A confirmation sample map can be found in Figure 5.

## 2-11-22 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC - DTGW is <50'								
Spur Energy - Flat Head Federal Com #27H Flowline								
Date 2/11/22		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS-1	4'	ND	ND	ND	ND	ND	0	41.5
CS-2	4'	ND	ND	ND	ND	ND	0	188
CS-3	4'	ND	ND	ND	ND	ND	0	369
CS-4	4'	ND	ND	ND	ND	ND	0	59.4
CS-5	4'	ND	ND	ND	ND	ND	0	65.7
CS-6	4'	ND	ND	ND	ND	ND	0	ND
CS-7	3'	ND	ND	ND	ND	ND	0	87.8
CS-8	3'	ND	ND	ND	ND	ND	0	134
CS-9	3'	ND	ND	ND	ND	ND	0	103
CS-10	3'	ND	ND	ND	ND	ND	0	103
CS-11	3'	ND	ND	ND	ND	ND	0	112
SW-1	3'	ND	ND	ND	ND	ND	0	118
SW-2	3'	ND	ND	ND	ND	ND	0	91
SW-3	3'	ND	ND	ND	ND	ND	0	99.9
SW-4	4'	ND	ND	ND	ND	ND	0	109
SW-5	4'	ND	ND	ND	ND	ND	0	96.2
SW-6	4'	ND	ND	ND	ND	ND	0	103
SW-7	4'	ND	ND	ND	ND	ND	0	89.3
SW-8	4'	ND	ND	ND	ND	ND	0	96

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. A confirmation sample map can be found in Figure 5.

#### Closure Request

After careful review, Pima requests that this incident, NAPP2130548866 be closed. Spur has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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

Respectfully,

*Gio Gomez*

Gio Gomez  
Environmental Project Manager  
Pima Environmental Services, LLC

## **Attachments**

### Figures:

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

### Appendices:

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



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**Figures:**

1-Location Map

2-Topo Map

3-Karst Map

4-Site Map

5-Confirmation Sample Map

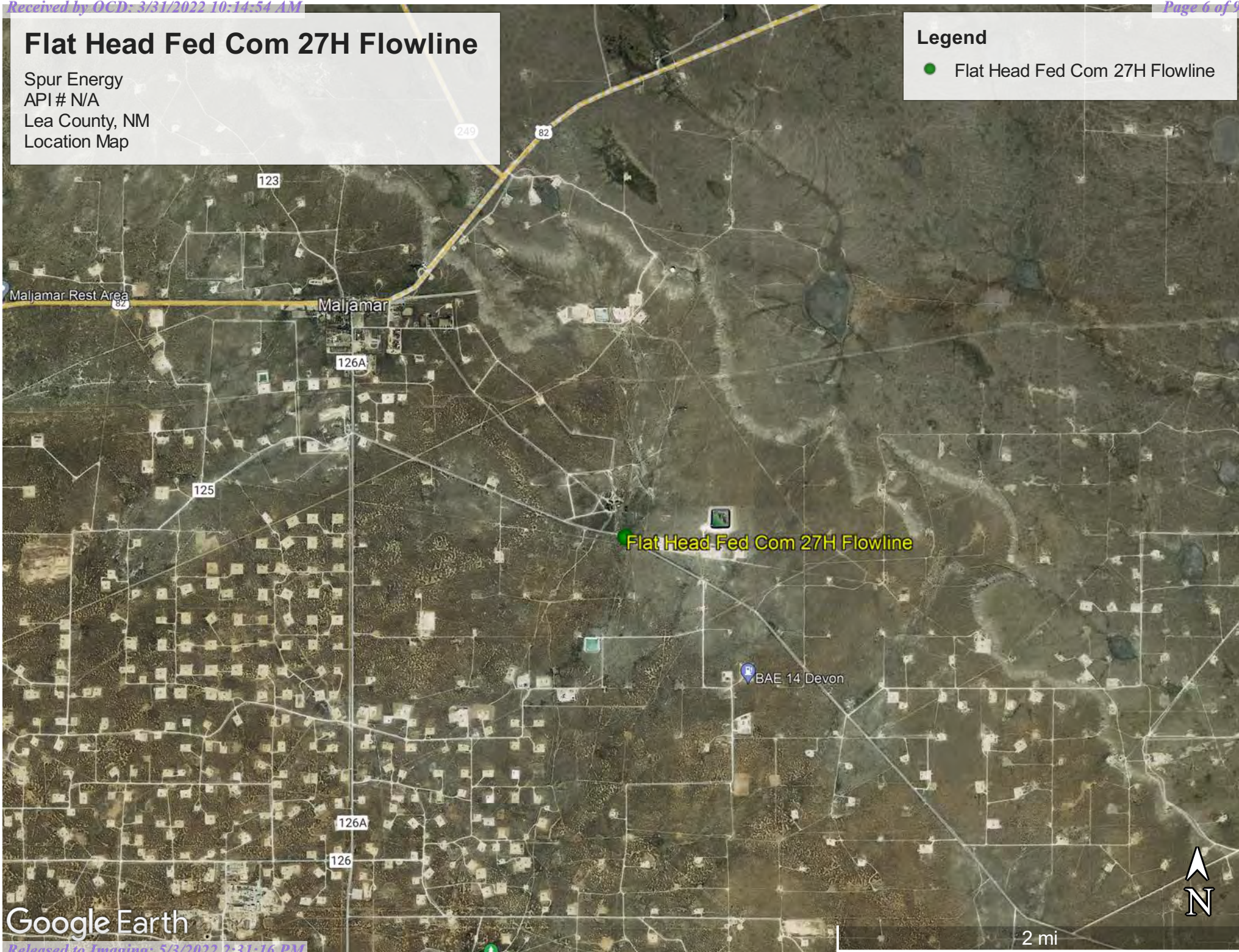


# Flat Head Fed Com 27H Flowline

Spur Energy  
API # N/A  
Lea County, NM  
Location Map

## Legend

- Flat Head Fed Com 27H Flowline

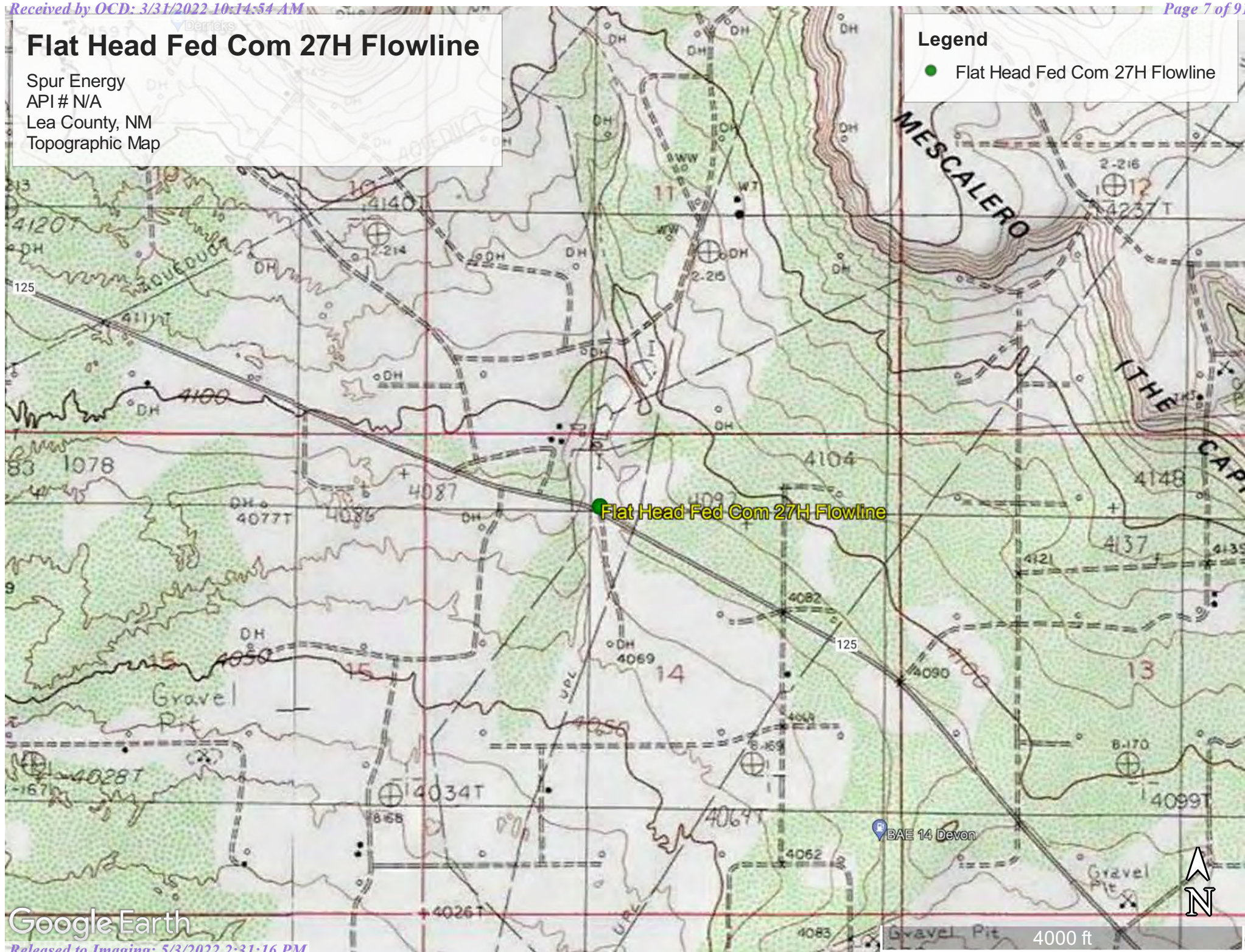


Google Earth



Spur Energy  
API # N/A  
Lea County, NM  
Topographic Map

- Flat Head Fed Com 27H Flowline





# Flat Head Fed Com 27H Flowline

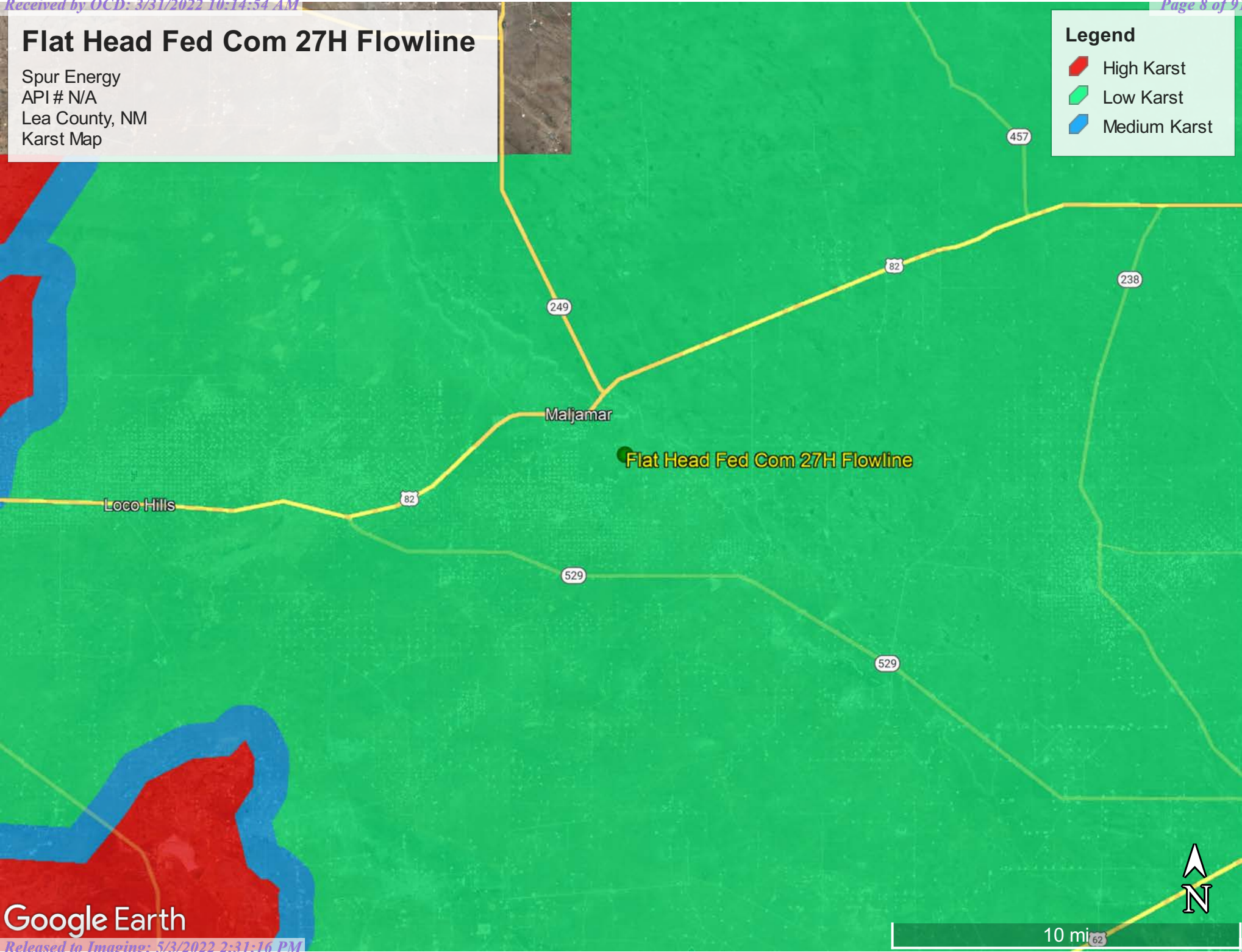
Spur Energy  
API # N/A  
Lea County, NM  
Karst Map

Legend

High Karst

Low Karst

Medium Karst









# Flat Head Fed Com 27H Flowline

Spur Energy  
API # N/A  
Lea County, NM  
Site Map

## Legend

-  Samples
-  Sidewalls
-  Spill Area-2,500sqft
-  Wash Area-Initial Response





# Flat Head Fed Com 27H Flowline

Spur Energy  
API # N/A  
Lea County, NM  
Confirmation Sample Map

## Legend

- Confirmation Samples
- Confirmation Sidewalls
- Excavation-2,200sqft







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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	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">RA 11684 POD5</a>		RA	LE	3	1	4	11	17S	32E	618353	3635047	915	275		
<a href="#">RA 11684 POD1</a>		RA	LE	1	1	4	11	17S	32E	618216	3635124	937	275		
<a href="#">L 13047 POD1</a>		L	LE				11	17S	32E	618187	3635254*	1055	140		
<a href="#">RA 11684 POD2</a>		RA	LE	1	1	4	11	17S	32E	618313	3635248	1085	275		
<a href="#">RA 11684 POD3</a>		RA	LE	3	3	1	11	17S	32E	618262	3635371	1187	275		
<a href="#">RA 11684 POD4</a>		RA	LE	1	3	2	11	17S	32E	618334	3635521	1351	275		
<a href="#">L 04020</a>		L	LE	3	3	4	02	17S	32E	618268	3636166*	1966	200		
<a href="#">L 04019</a>		L	LE	4	3	4	02	17S	32E	618468	3636166*	2008	182		
<a href="#">L 04021</a>	R	L	LE	3	4	4	02	17S	32E	618670	3636170*	2073	190		
<a href="#">L 03980 S</a>		L	LE	4	4	4	02	17S	32E	618870	3636170*	2151	255	179	76
<a href="#">RA 11734 POD1</a>		RA	LE	2	2	1	10	17S	32E	616556	3635929	2201	165		
<a href="#">RA 12436 POD1</a>		RA	LE	2	2	1	10	17S	32E	616556	3635929	2201	160	125	35
<a href="#">L 13050 POD1</a>		L	LE	2	2	1	10	17S	32E	616463	3635945*	2273	156	132	24
<a href="#">RA 09505 S</a>		RA	LE	2	2	1	10	17S	32E	616463	3635945*	2273	144		
<a href="#">RA 09505</a>		RA	LE	2	2	1	10	17S	32E	616462	3635944	2273	147		
<a href="#">RA 11911 POD1</a>		RA	LE	1	3	1	24	17S	32E	619192	3632296	2293	35		
<a href="#">RA 08855</a>		RA	LE	4	1	1	10	17S	32E	616061	3635742*	2422	158		
<a href="#">L 03980 S2</a>		L	LE	3	2	3	01	17S	32E	619470	3636581*	2803	225	175	50
<a href="#">L 04021 POD3</a>		L	LE	1	1	4	03	17S	32E	616657	3636766	2850	247		
<a href="#">L 04021 S</a>		L	LE	4	3	2	03	17S	32E	616891	3637021	2989	260		

Average Depth to Water: **152 feet**

Minimum Depth: **125 feet**

Maximum Depth: **179 feet**

Record Count: 20

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 617949.62

**Northing (Y):** 3634225.23

**Radius:** 3000

\*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.

3/12/22 4:11 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER





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## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

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- [Full News](#) 

Groundwater levels for the Nation

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

### Search Results -- 1 sites found

site\_no list =

- 325028103441301

Minimum number of levels = 1

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

### USGS 325028103441301 17S.32E.11.34332

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°50'32", Longitude 103°44'24" NAD27

Land-surface elevation 4,095.50 feet above NGVD29

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

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

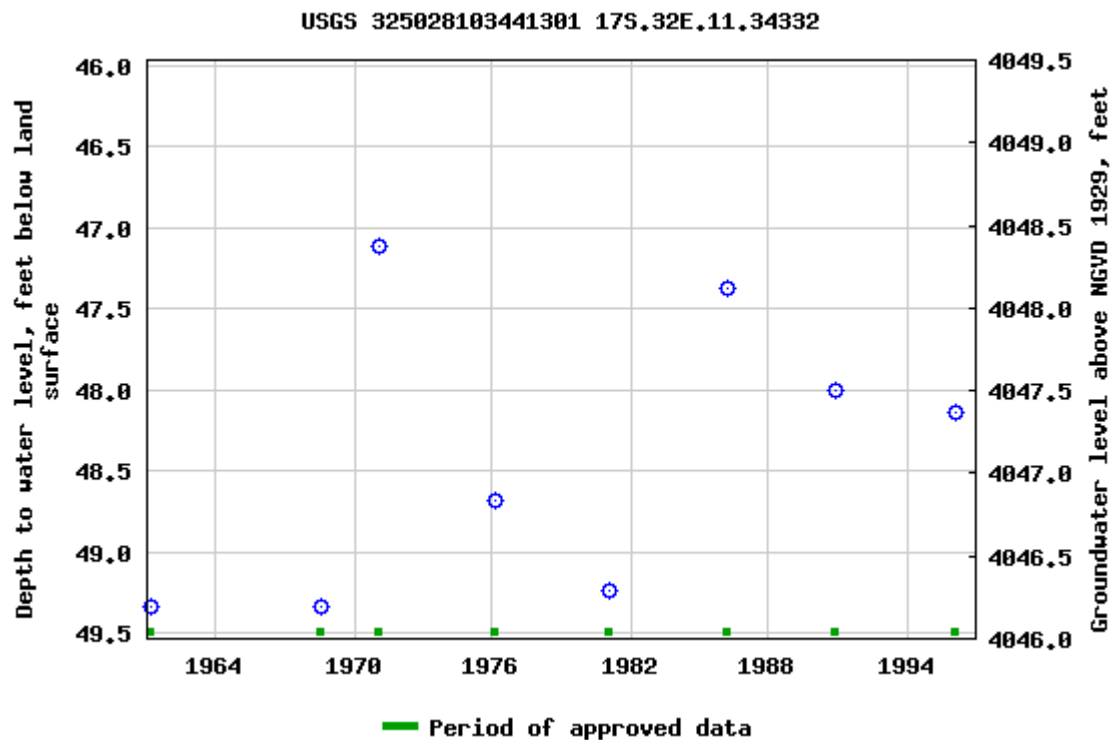
#### Output formats

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

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**Title: Groundwater for USA: Water Levels**

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

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

Page Last Modified: 2022-03-12 19:25:39 EST

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## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

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Groundwater levels for the Nation

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

### Search Results -- 1 sites found

site\_no list =

- 325025103441101

Minimum number of levels = 1

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

### USGS 325025103441101 17S.32E.11.34342

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°50'33", Longitude 103°44'20" NAD27

Land-surface elevation 4,093.10 feet above NGVD29

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

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

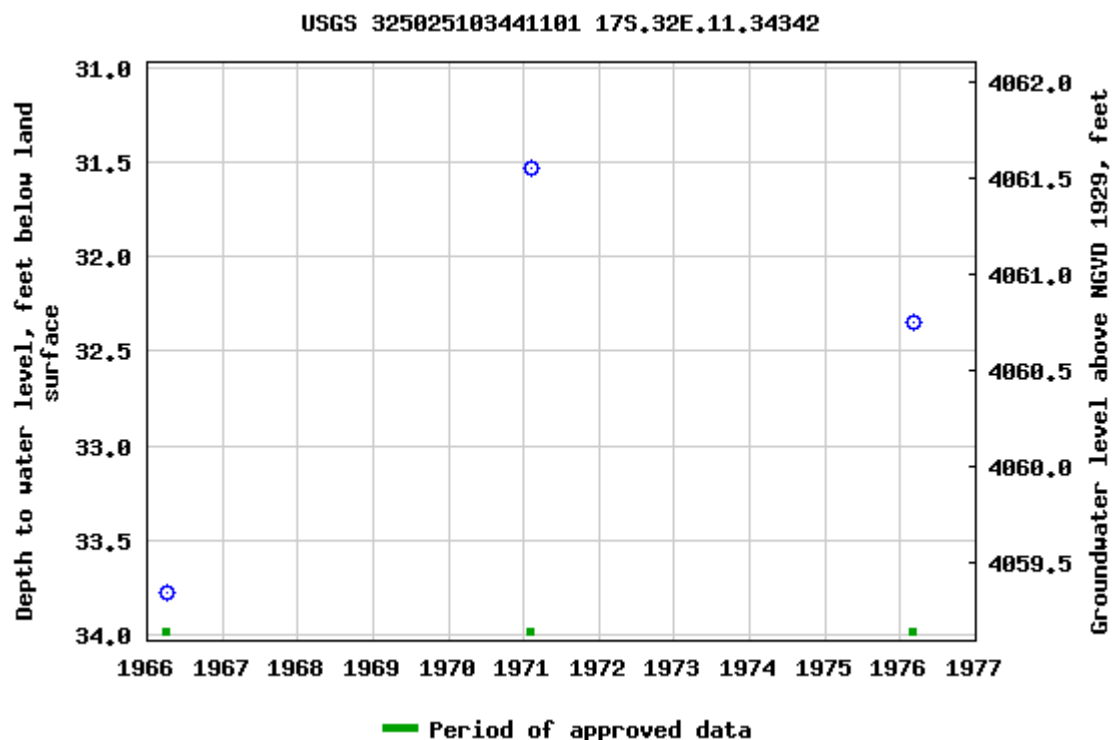
#### Output formats

[Table of data](#)

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**Title: Groundwater for USA: Water Levels**

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

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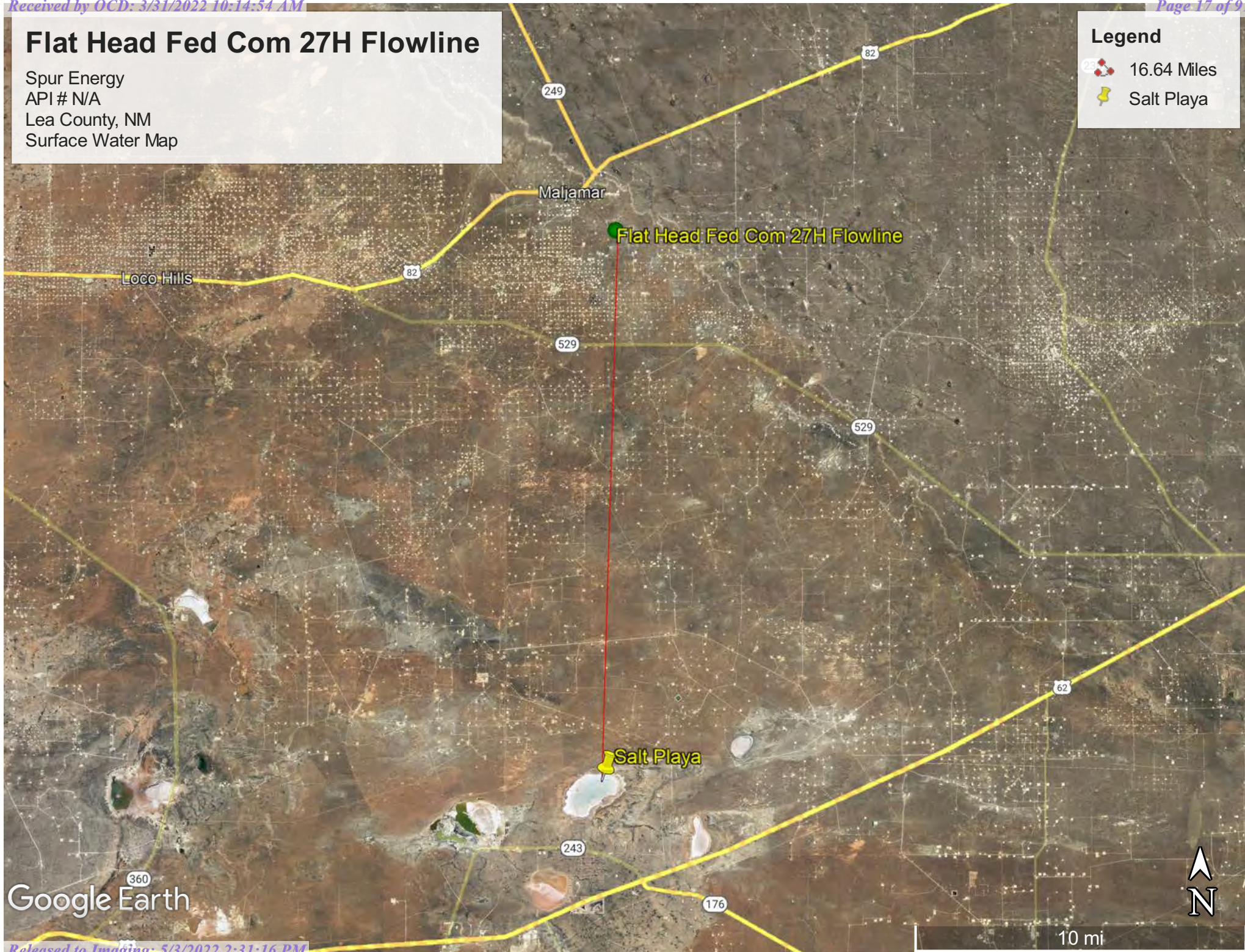


# Flat Head Fed Com 27H Flowline

Spur Energy  
API # N/A  
Lea County, NM  
Surface Water Map

## Legend

-  16.64 Miles
-  Salt Playa



Google Earth





Pima Environmental Services

**Appendix B**

Soil Survey & Geological Data

FEMA Flood Map

Map Unit Description: Kermit-Wink complex, 0 to 3 percent slopes---Lea County, New Mexico

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## Lea County, New Mexico

### KE—Kermit-Wink complex, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* dmpw

*Elevation:* 3,000 to 4,400 feet

*Mean annual precipitation:* 10 to 15 inches

*Mean annual air temperature:* 60 to 62 degrees F

*Frost-free period:* 190 to 205 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Kermit and similar soils:* 70 percent

*Wink and similar soils:* 20 percent

*Minor components:* 10 percent

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

#### Description of Kermit

##### Setting

*Landform:* Dunes

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

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Concave, convex, linear

*Across-slope shape:* Convex

*Parent material:* Calcareous sandy eolian deposits derived from sedimentary rock

##### Typical profile

*A - 0 to 8 inches:* fine sand

*C - 8 to 60 inches:* fine sand

##### Properties and qualities

*Slope:* 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:* 2.0

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

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e



Map Unit Description: Kermit-Wink complex, 0 to 3 percent slopes---Lea County, New Mexico

---

*Hydrologic Soil Group:* A  
*Ecological site:* R042XC005NM - Deep Sand  
*Hydric soil rating:* No

### Description of Wink

#### Setting

*Landform:* Depressions  
*Landform position (two-dimensional):* Toeslope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Concave  
*Across-slope shape:* Concave  
*Parent material:* Calcareous sandy alluvium and/or calcareous sandy eolian deposits derived from sedimentary rock

#### Typical profile

*A - 0 to 12 inches:* fine sand  
*Bk - 12 to 23 inches:* sandy loam  
*Bck - 23 to 60 inches:* sandy loam

#### Properties and qualities

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):* High  
(2.00 to 6.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 30 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 2.0  
*Available water supply, 0 to 60 inches:* Low (about 4.0 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7e  
*Hydrologic Soil Group:* A  
*Ecological site:* R042XC005NM - Deep Sand  
*Hydric soil rating:* No

### Minor Components

#### Berino

*Percent of map unit:* 3 percent  
*Ecological site:* R042XC004NM - Sandy  
*Hydric soil rating:* No

#### Palomas

*Percent of map unit:* 2 percent  
*Ecological site:* R042XC003NM - Loamy Sand  
*Hydric soil rating:* No

Map Unit Description: Kermit-Wink complex, 0 to 3 percent slopes---Lea County, New Mexico

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**Pyote**

*Percent of map unit:* 2 percent

*Ecological site:* R042XC003NM - Loamy Sand

*Hydric soil rating:* No

**Dune land**

*Percent of map unit:* 2 percent

*Hydric soil rating:* No

**Maljamar**

*Percent of map unit:* 1 percent

*Ecological site:* R042XC003NM - Loamy Sand

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 18, Sep 10, 2021

## National Flood Hazard Layer FIRMette




























103°44'41"W 32°50'38"N



## Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS	NO SCREEN	Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		<b>20.2</b> Cross Sections with 1% Annual Chance Water Surface Elevation
		<b>17.5</b>
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.
		



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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **12/16/2021 at 4:19 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.





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	NAPP2130548866
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	Spur Energy Partners LLC	OGRID	328947
Contact Name	Braidy Moulder	Contact Telephone	713-264-2517
Contact email	bmoulder@spurepllc.com	Incident # (assigned by OCD)	
Contact mailing address	2407 Pecos Avenue, Artesia, NM 88210		

### Location of Release Source

Latitude 32.839754 Longitude -103.739695  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Name Flat Head Federal Com #027H Flowline	Site Type	Production
Date Release Discovered	10/27/2021	API# (if applicable)	

Unit Letter	Section	Township	Range	County
C	14	17S	32E	Lea

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) 50	Volume Recovered (bbls) 45
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release This release was caused when a flow line was cut a by a tractor.

Form C-141

State of New Mexico

Page 2

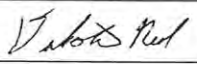
Oil Conservation Division

Incident ID	NAPP2130548866
District RP	
Facility ID	
Application ID	

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

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Dakota Neel</u>	Title: <u>HSE Coordinator</u>
Signature: <u></u>	Date: <u>11/14/2021</u>
email: <u>dneel@spurepllc.com</u>	Telephone: <u>832-849-7837</u>
<b><u>OCD Only</u></b>	
Received by:	Date:



Form C-141

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State of New Mexico  
Oil Conservation Division

Incident ID	NAPP2130548866
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?	48 (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.

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State of New Mexico  
Oil Conservation Division

Incident ID	NAPP2130548866
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: Braidy MoulderTitle: HSE CoordinatorSignature: Braidy MoulderDate: 3/14/2022email: bmoulder@spurepllc.comTelephone: 713-264-2517**OCD Only**

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

Date: \_\_\_\_\_



Form C-141

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State of New Mexico  
Oil Conservation Division

Incident ID	NAPP2130548866
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: Braidy Moulder Title: HSE Coordinator  
 Signature: Braidy Moulder Date: 3/14/2022  
 email: bmoulder@spurepllc.com Telephone: 713-264-2517

**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: Jennifer Nobui Date: 05/03/2022  
 Printed Name: Jennifer Nobui Title: Environmental Specialist A

**Gio@pimaoil.com**

---

**From:** Gio PimaOil <gio@pimaoil.com>  
**Sent:** Wednesday, February 9, 2022 7:51 AM  
**To:** ocdonline@state.nm.us; Tom Pima Oil  
**Subject:** Flat head Federal Com #27H Flowline Confirmation of Samples

Good morning,

Pima Environmental would like to notify you that we will be collecting confirmation samples at the **Flat Head Federal Com #27H Flowline** for incident NAPP2130548866. Pima personnel are scheduled to be on site for this sampling event at approximately 10:00 a.m. on Friday, February 11, 2022. If you have any questions or concerns, please let me know. Thank you.

--

Gio Gomez  
Environmental Project Manager  
cell-806-782-1151  
Office- 575-964-7740  
**Pima Environmental Services, LLC.**





Pima Environmental Services

## **Appendix D**

Photographic Documentation



**SITE PHOTOGRAPHS  
SPUR ENERGY PARTNERS  
FLAT HEAD FED COM #27H**

Pre-Treatment – North Side







Remediation – North Side



Post Treatment – North Side







Pre Treatment – South Side



Remediation – South Side







Post Treatment – South Side











Pima Environmental Services

## **Appendix E**

Laboratory Reports



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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November 23, 2021

TOM BYNUM

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: FLAT HEAD FED COM 27H

Enclosed are the results of analyses for samples received by the laboratory on 11/18/21 15:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 11/18/2021  
Reported: 11/23/2021  
Project Name: FLAT HEAD FED COM 27H  
Project Number: 6-51  
Project Location: SPUR - EDDY CO NM

Sampling Date: 11/17/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S 1 - 2' (H213327-01)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2021	ND	1.98	99.0	2.00	0.306	
Toluene*	<0.050	0.050	11/19/2021	ND	1.89	94.4	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/19/2021	ND	1.86	92.8	2.00	0.971	
Total Xylenes*	<0.150	0.150	11/19/2021	ND	5.65	94.1	6.00	0.851	
Total BTX	<0.300	0.300	11/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13300	16.0	11/22/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	213	106	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/19/2021	ND	196	98.2	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane 77.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.0 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 11/18/2021  
Reported: 11/23/2021  
Project Name: FLAT HEAD FED COM 27H  
Project Number: 6-51  
Project Location: SPUR - EDDY CO NM

Sampling Date: 11/17/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S 2 - 2' (H213327-02)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2021	ND	1.98	99.0	2.00	0.306	
Toluene*	<0.050	0.050	11/19/2021	ND	1.89	94.4	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/19/2021	ND	1.86	92.8	2.00	0.971	
Total Xylenes*	<0.150	0.150	11/19/2021	ND	5.65	94.1	6.00	0.851	
Total BTX	<0.300	0.300	11/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15100	16.0	11/22/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	213	106	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/19/2021	ND	196	98.2	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane 80.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.4 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 11/18/2021  
Reported: 11/23/2021  
Project Name: FLAT HEAD FED COM 27H  
Project Number: 6-51  
Project Location: SPUR - EDDY CO NM

Sampling Date: 11/17/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S 3 - 2' (H213327-03)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2021	ND	1.98	99.0	2.00	0.306	
Toluene*	<0.050	0.050	11/19/2021	ND	1.89	94.4	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/19/2021	ND	1.86	92.8	2.00	0.971	
Total Xylenes*	<0.150	0.150	11/19/2021	ND	5.65	94.1	6.00	0.851	
Total BTX	<0.300	0.300	11/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14400	16.0	11/22/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	213	106	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/19/2021	ND	196	98.2	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane 81.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.3 % 38.9-142

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 11/18/2021  
Reported: 11/23/2021  
Project Name: FLAT HEAD FED COM 27H  
Project Number: 6-51  
Project Location: SPUR - EDDY CO NM

Sampling Date: 11/17/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S 4 - 2' (H213327-04)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2021	ND	1.98	99.0	2.00	0.306	
Toluene*	<0.050	0.050	11/19/2021	ND	1.89	94.4	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/19/2021	ND	1.86	92.8	2.00	0.971	
Total Xylenes*	<0.150	0.150	11/19/2021	ND	5.65	94.1	6.00	0.851	
Total BTX	<0.300	0.300	11/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16000	16.0	11/22/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	213	106	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/19/2021	ND	196	98.2	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane 94.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.3 % 38.9-142

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 11/18/2021  
Reported: 11/23/2021  
Project Name: FLAT HEAD FED COM 27H  
Project Number: 6-51  
Project Location: SPUR - EDDY CO NM

Sampling Date: 11/17/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S 2 - 4' (H213327-05)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/19/2021	ND	1.98	99.0	2.00	0.306		
Toluene*	<0.050	0.050	11/19/2021	ND	1.89	94.4	2.00	1.21		
Ethylbenzene*	<0.050	0.050	11/19/2021	ND	1.86	92.8	2.00	0.971		
Total Xylenes*	<0.150	0.150	11/19/2021	ND	5.65	94.1	6.00	0.851		
Total BTEx	<0.300	0.300	11/19/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	11/22/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	213	106	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/19/2021	ND	196	98.2	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane 83.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.8 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 11/18/2021  
Reported: 11/23/2021  
Project Name: FLAT HEAD FED COM 27H  
Project Number: 6-51  
Project Location: SPUR - EDDY CO NM

Sampling Date: 11/17/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S 3 - 4' (H213327-06)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/19/2021	ND	1.98	99.0	2.00	0.306		
Toluene*	<0.050	0.050	11/19/2021	ND	1.89	94.4	2.00	1.21		
Ethylbenzene*	<0.050	0.050	11/19/2021	ND	1.86	92.8	2.00	0.971		
Total Xylenes*	<0.150	0.150	11/19/2021	ND	5.65	94.1	6.00	0.851		
Total BTEx	<0.300	0.300	11/19/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4200	16.0	11/22/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	213	106	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/19/2021	ND	196	98.2	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane 84.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.4 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 11/18/2021  
Reported: 11/23/2021  
Project Name: FLAT HEAD FED COM 27H  
Project Number: 6-51  
Project Location: SPUR - EDDY CO NM

Sampling Date: 11/17/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S 4 - 5' (H213327-07)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2021	ND	1.98	99.0	2.00	0.306	
Toluene*	<0.050	0.050	11/19/2021	ND	1.89	94.4	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/19/2021	ND	1.86	92.8	2.00	0.971	
Total Xylenes*	<0.150	0.150	11/19/2021	ND	5.65	94.1	6.00	0.851	
Total BTX	<0.300	0.300	11/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	11/22/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	213	106	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/19/2021	ND	196	98.2	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane 84.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.0 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 11/18/2021  
Reported: 11/23/2021  
Project Name: FLAT HEAD FED COM 27H  
Project Number: 6-51  
Project Location: SPUR - EDDY CO NM

Sampling Date: 11/17/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S 1 - 4' (H213327-08)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/19/2021	ND	1.98	99.0	2.00	0.306		
Toluene*	<0.050	0.050	11/19/2021	ND	1.89	94.4	2.00	1.21		
Ethylbenzene*	<0.050	0.050	11/19/2021	ND	1.86	92.8	2.00	0.971		
Total Xylenes*	<0.150	0.150	11/19/2021	ND	5.65	94.1	6.00	0.851		
Total BTEx	<0.300	0.300	11/19/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	11/22/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	213	106	200	2.80	
DRO >C10-C28*	<10.0	10.0	11/19/2021	ND	196	98.2	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.3 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 11/18/2021  
Reported: 11/23/2021  
Project Name: FLAT HEAD FED COM 27H  
Project Number: 6-51  
Project Location: SPUR - EDDY CO NM

Sampling Date: 11/17/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S 2 - 5' (H213327-09)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2021	ND	1.88	94.1	2.00	4.35	
Toluene*	<0.050	0.050	11/19/2021	ND	1.86	93.1	2.00	3.22	
Ethylbenzene*	<0.050	0.050	11/19/2021	ND	1.82	91.1	2.00	3.67	
Total Xylenes*	<0.150	0.150	11/19/2021	ND	5.56	92.7	6.00	4.36	
Total BTEx	<0.300	0.300	11/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	11/22/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	238	119	200	8.21	
DRO >C10-C28*	<10.0	10.0	11/19/2021	ND	259	130	200	4.46	
EXT DRO >C28-C36	10.4	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane 76.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.1 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 11/18/2021  
Reported: 11/23/2021  
Project Name: FLAT HEAD FED COM 27H  
Project Number: 6-51  
Project Location: SPUR - EDDY CO NM

Sampling Date: 11/17/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S 3 - 5' (H213327-10)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/19/2021	ND	1.88	94.1	2.00	4.35		
Toluene*	<0.050	0.050	11/19/2021	ND	1.86	93.1	2.00	3.22		
Ethylbenzene*	<0.050	0.050	11/19/2021	ND	1.82	91.1	2.00	3.67		
Total Xylenes*	<0.150	0.150	11/19/2021	ND	5.56	92.7	6.00	4.36		
Total BTX	<0.300	0.300	11/19/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	11/22/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	238	119	200	8.21	
DRO >C10-C28*	<10.0	10.0	11/19/2021	ND	259	130	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane 121 % 44.3-133

Surrogate: 1-Chlorooctadecane 121 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 11/18/2021  
Reported: 11/23/2021  
Project Name: FLAT HEAD FED COM 27H  
Project Number: 6-51  
Project Location: SPUR - EDDY CO NM

Sampling Date: 11/17/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S 5 - 1' (H213327-11)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/19/2021	ND	1.88	94.1	2.00	4.35		
Toluene*	<0.050	0.050	11/19/2021	ND	1.86	93.1	2.00	3.22		
Ethylbenzene*	<0.050	0.050	11/19/2021	ND	1.82	91.1	2.00	3.67		
Total Xylenes*	<0.150	0.150	11/19/2021	ND	5.56	92.7	6.00	4.36		
Total BTX	<0.300	0.300	11/19/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	11/22/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	238	119	200	8.21	
DRO >C10-C28*	11.7	10.0	11/19/2021	ND	259	130	200	4.46	
EXT DRO >C28-C36	19.8	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane 78.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.2 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 11/18/2021  
Reported: 11/23/2021  
Project Name: FLAT HEAD FED COM 27H  
Project Number: 6-51  
Project Location: SPUR - EDDY CO NM

Sampling Date: 11/17/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S 5 - SURFACE (H213327-12)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/19/2021	ND	1.88	94.1	2.00	4.35		
Toluene*	<0.050	0.050	11/19/2021	ND	1.86	93.1	2.00	3.22		
Ethylbenzene*	<0.050	0.050	11/19/2021	ND	1.82	91.1	2.00	3.67		
Total Xylenes*	<0.150	0.150	11/19/2021	ND	5.56	92.7	6.00	4.36		
Total BTEX	<0.300	0.300	11/19/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	11/22/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	238	119	200	8.21	
DRO >C10-C28*	13.6	10.0	11/19/2021	ND	259	130	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane 78.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.0 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 11/18/2021  
Reported: 11/23/2021  
Project Name: FLAT HEAD FED COM 27H  
Project Number: 6-51  
Project Location: SPUR - EDDY CO NM

Sampling Date: 11/17/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW 1 (H213327-13)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/19/2021	ND	1.88	94.1	2.00	4.35		
Toluene*	<0.050	0.050	11/19/2021	ND	1.86	93.1	2.00	3.22		
Ethylbenzene*	<0.050	0.050	11/19/2021	ND	1.82	91.1	2.00	3.67		
Total Xylenes*	<0.150	0.150	11/19/2021	ND	5.56	92.7	6.00	4.36		
Total BTX	<0.300	0.300	11/19/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/22/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	238	119	200	8.21	
DRO >C10-C28*	<10.0	10.0	11/19/2021	ND	259	130	200	4.46	
EXT DRO >C28-C36	11.9	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane 114 % 44.3-133

Surrogate: 1-Chlorooctadecane 111 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 11/18/2021  
Reported: 11/23/2021  
Project Name: FLAT HEAD FED COM 27H  
Project Number: 6-51  
Project Location: SPUR - EDDY CO NM

Sampling Date: 11/17/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW 2 (H213327-14)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/19/2021	ND	1.88	94.1	2.00	4.35		
Toluene*	<0.050	0.050	11/19/2021	ND	1.86	93.1	2.00	3.22		
Ethylbenzene*	<0.050	0.050	11/19/2021	ND	1.82	91.1	2.00	3.67		
Total Xylenes*	<0.150	0.150	11/19/2021	ND	5.56	92.7	6.00	4.36		
Total BTX	<0.300	0.300	11/19/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/22/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	238	119	200	8.21	
DRO >C10-C28*	10.7	10.0	11/19/2021	ND	259	130	200	4.46	
EXT DRO >C28-C36	16.1	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane 98.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.8 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 11/18/2021  
Reported: 11/23/2021  
Project Name: FLAT HEAD FED COM 27H  
Project Number: 6-51  
Project Location: SPUR - EDDY CO NM

Sampling Date: 11/17/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW 3 (H213327-15)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/19/2021	ND	1.88	94.1	2.00	4.35		
Toluene*	<0.050	0.050	11/19/2021	ND	1.86	93.1	2.00	3.22		
Ethylbenzene*	<0.050	0.050	11/19/2021	ND	1.82	91.1	2.00	3.67		
Total Xylenes*	<0.150	0.150	11/19/2021	ND	5.56	92.7	6.00	4.36		
Total BTX	<0.300	0.300	11/19/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/22/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	238	119	200	8.21	
DRO >C10-C28*	14.0	10.0	11/19/2021	ND	259	130	200	4.46	
EXT DRO >C28-C36	27.1	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.7 % 38.9-142

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 11/18/2021  
Reported: 11/23/2021  
Project Name: FLAT HEAD FED COM 27H  
Project Number: 6-51  
Project Location: SPUR - EDDY CO NM

Sampling Date: 11/17/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW 4 (H213327-16)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2021	ND	1.88	94.1	2.00	4.35	
Toluene*	<0.050	0.050	11/19/2021	ND	1.86	93.1	2.00	3.22	
Ethylbenzene*	<0.050	0.050	11/19/2021	ND	1.82	91.1	2.00	3.67	
Total Xylenes*	<0.150	0.150	11/19/2021	ND	5.56	92.7	6.00	4.36	
Total BTEx	<0.300	0.300	11/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/22/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	238	119	200	8.21	
DRO >C10-C28*	18.0	10.0	11/19/2021	ND	259	130	200	4.46	
EXT DRO >C28-C36	39.0	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane 84.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.0 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 11/18/2021  
Reported: 11/23/2021  
Project Name: FLAT HEAD FED COM 27H  
Project Number: 6-51  
Project Location: SPUR - EDDY CO NM

Sampling Date: 11/17/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW 5 (H213327-17)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/19/2021	ND	1.88	94.1	2.00	4.35		
Toluene*	<0.050	0.050	11/19/2021	ND	1.86	93.1	2.00	3.22		
Ethylbenzene*	<0.050	0.050	11/19/2021	ND	1.82	91.1	2.00	3.67		
Total Xylenes*	<0.150	0.150	11/19/2021	ND	5.56	92.7	6.00	4.36		
Total BTX	<0.300	0.300	11/19/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/22/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	238	119	200	8.21	
DRO >C10-C28*	12.7	10.0	11/19/2021	ND	259	130	200	4.46	
EXT DRO >C28-C36	16.4	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.5 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 11/18/2021  
Reported: 11/23/2021  
Project Name: FLAT HEAD FED COM 27H  
Project Number: 6-51  
Project Location: SPUR - EDDY CO NM

Sampling Date: 11/17/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW 6 (H213327-18)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/19/2021	ND	1.88	94.1	2.00	4.35		
Toluene*	<0.050	0.050	11/19/2021	ND	1.86	93.1	2.00	3.22		
Ethylbenzene*	<0.050	0.050	11/19/2021	ND	1.82	91.1	2.00	3.67		
Total Xylenes*	<0.150	0.150	11/19/2021	ND	5.56	92.7	6.00	4.36		
Total BTX	<0.300	0.300	11/19/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/22/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	238	119	200	8.21	
DRO >C10-C28*	11.0	10.0	11/19/2021	ND	259	130	200	4.46	
EXT DRO >C28-C36	16.4	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane 77.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.9 % 38.9-142

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



---

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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A handwritten signature in black ink, appearing to read "Mike Snyder".

---

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: Pima Environmental Services

Project Manager: Tom Bynum

Address: 1601 N Turner St., Suite 500

City: Hobbs State: NM Zip: 88240

Phone #: 575-964-7740 Fax #:

Project #: 6-51 Project Owner: Spur Energy

Project Name: Flt head Fed Cor 27 H

Project Location: Eddy County

Sampler Name: Angel O. Perez

## BILL TO

P.O. #:

Company: Spur Energy

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

## ANALYSIS REQUEST

FOR LAB USE ONLY

H213327

Lab I.D.

Sample I.D.

	Lab I.D.	Sample I.D.
01	51 - 2'	
02	52 - 2'	
03	53 - 2'	
04	54 - 2'	
05	52 - 4'	
06	53 - 4'	
07	54 - 4' 5' *	
08	51 - 4'	
09	52 - 5'	
10	53 - 5'	

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

MATRIX

PRESERV.

SAMPLING

DATE

TIME

11/17/21

TPX EXT

BTEX

Chlorides

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Relinquished By:

Date: 11-18

Time: 15:05

Received By:

Received By:

Date:

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

Cool Intact

Yes No

CHECKED BY:

(Initials)

TO.

Phone Result:

☐ Yes ☐ No

Add'l Phone #:

Fax Result:

☐ Yes ☐ No

Add'l Fax #:

REMARKS:

\* Changed as per Tom. 11/18/21 ch

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326





**CARDINAL**  
Laboratories

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476				<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																																			
Company Name: Pima Environmental Services Project Manager: Tom Bynum Address: 1601 N Turner St., Suite 500 City: Hobbs State: NM Zip: 88240 Phone #: 575-964-7740 Fax #: Project #: 6-51 Project Owner: Spur Energy Project Name: Flat head Fed Com 27 H Project Location: Eddy County Sampler Name: Hake/ O. Pena				P.O. #: Company: Spur Energy Attn: Address: City: State: Zip: Phone #: Fax #:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td rowspan="2" style="width:5%;">TPX</td> <td rowspan="2" style="width:5%;">Ext</td> <td rowspan="2" style="width:5%;">BTX</td> <td rowspan="2" style="width:5%;">Chlorides</td> <td colspan="10"></td> </tr> <tr> <td colspan="10"></td> </tr> </table>												TPX	Ext	BTX	Chlorides																				
TPX	Ext	BTX	Chlorides																																						
<b>FOR LAB USE ONLY</b>				<b>MATRIX</b>		<b>PRESERV.</b>		<b>SAMPLING</b>																																	
Lab I.D.		Sample I.D.		(GIRAB OR (COMP. # CONTAINERS)		GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE TIME																															
H213321		SS-1'		1		✓		11/17/04		11:17																															
11		SS-SURFAC		1		✓		11/17/04		11:17																															
12		SW 1		1		✓		11/17/04		11:17																															
13		SW 2		1		✓		11/17/04		11:17																															
14		SW 3		1		✓		11/17/04		11:17																															
15		SW 4		1		✓		11/17/04		11:17																															
16		SW 5		1		✓		11/17/04		11:17																															
17		SW 6		1		✓		11/17/04		11:17																															
18		SW 6		1		✓		11/17/04		11:17																															
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.																																									
Relinquished By:				Date: 11-18		Received By:				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:																													
Relinquished By:				Time: 15:03		Received By:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:																													
Relinquished By:				Date:		Received By:				REMARKS:																															
Relinquished By:				Time:		Received By:																																			
Delivered By: (Circle One) 0.9c) C-0.5c				Sample Condition		CHECKED BY:																																			
Sampler - UPS - Bus - Other: 0.4c #113				Cool Intact		(Initials)																																			
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																			

Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Flathead Federal Com #27

Work Order: E202065

Job Number: 21064-0001

Received: 2/12/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
2/21/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 2/21/22

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Flathead Federal Com #27  
Workorder: E202065  
Date Received: 2/12/2022 11:35:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/12/2022 11:35:00AM, under the Project Name: Flathead Federal Com #27.

The analytical test results summarized in this report with the Project Name: Flathead Federal Com #27 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:	Flathead Federal Com #27	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/21/22 13:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E202065-01A	Soil	02/11/22	02/12/22	Glass Jar, 4 oz.
CS2	E202065-02A	Soil	02/11/22	02/12/22	Glass Jar, 4 oz.
CS3	E202065-03A	Solid	02/11/22	02/12/22	Glass Jar, 4 oz.
CS4	E202065-04A	Soil	02/11/22	02/12/22	Glass Jar, 4 oz.
CS5	E202065-05A	Soil	02/11/22	02/12/22	Glass Jar, 4 oz.
CS6	E202065-06A	Soil	02/11/22	02/12/22	Glass Jar, 4 oz.
CS7	E202065-07A	Soil	02/11/22	02/12/22	Glass Jar, 4 oz.
CS8	E202065-08A	Soil	02/11/22	02/12/22	Glass Jar, 4 oz.
CS9	E202065-09A	Soil	02/11/22	02/12/22	Glass Jar, 4 oz.
CS10	E202065-10A	Soil	02/11/22	02/12/22	Glass Jar, 4 oz.
CS11	E202065-11A	Soil	02/11/22	02/12/22	Glass Jar, 4 oz.
SW1	E202065-12A	Soil	02/11/22	02/12/22	Glass Jar, 4 oz.
SW2	E202065-13A	Soil	02/11/22	02/12/22	Glass Jar, 4 oz.
SW3	E202065-14A	Soil	02/11/22	02/12/22	Glass Jar, 4 oz.
SW4	E202065-15A	Soil	02/11/22	02/12/22	Glass Jar, 4 oz.
SW5	E202065-16A	Soil	02/11/22	02/12/22	Glass Jar, 4 oz.
SW6	E202065-17A	Soil	02/11/22	02/12/22	Glass Jar, 4 oz.
SW7	E202065-18A	Soil	02/11/22	02/12/22	Glass Jar, 4 oz.
SW8	E202065-19A	Soil	02/11/22	02/12/22	Glass Jar, 4 oz.



## Sample Data

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

Project Name: Flathead Federal Com #27  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/21/2022 1:19:16PM

## CS1

## E202065-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2208025	
Benzene	ND	0.0250	1	02/15/22	02/16/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/16/22	
Toluene	ND	0.0250	1	02/15/22	02/16/22	
o-Xylene	ND	0.0250	1	02/15/22	02/16/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/16/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/16/22	
<i>Surrogate: Bromofluorobenzene</i>	93.5 %	70-130		02/15/22	02/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	97.9 %	70-130		02/15/22	02/16/22	
<i>Surrogate: Toluene-d8</i>	102 %	70-130		02/15/22	02/16/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2208025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/16/22	
<i>Surrogate: Bromofluorobenzene</i>	93.5 %	70-130		02/15/22	02/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	97.9 %	70-130		02/15/22	02/16/22	
<i>Surrogate: Toluene-d8</i>	102 %	70-130		02/15/22	02/16/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2208066	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/22	02/17/22	
<i>Surrogate: n-Nonane</i>	101 %	50-200		02/17/22	02/17/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2208044	
Chloride	41.5	20.0	1	02/15/22	02/16/22	



## Sample Data

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

Project Name: Flathead Federal Com #27  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/21/2022 1:19:16PM

## CS2

## E202065-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Benzene	ND	0.0250	1	02/15/22	02/17/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/17/22	
Toluene	ND	0.0250	1	02/15/22	02/17/22	
o-Xylene	ND	0.0250	1	02/15/22	02/17/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/17/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	93.0 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	100 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	93.0 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	100 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2208066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/22	02/17/22	
Surrogate: n-Nonane	95.3 %	50-200		02/17/22	02/17/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2208044
Chloride	188	20.0	1	02/15/22	02/16/22	





## Sample Data

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

Project Name: Flathead Federal Com #27  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/21/2022 1:19:16PM

## CS3

## E202065-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Benzene	ND	0.0250	1	02/15/22	02/16/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/16/22	
Toluene	ND	0.0250	1	02/15/22	02/16/22	
o-Xylene	ND	0.0250	1	02/15/22	02/16/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/16/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/16/22	
Surrogate: Bromofluorobenzene	92.6 %	70-130		02/15/22	02/16/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		02/15/22	02/16/22	
Surrogate: Toluene-d8	98.9 %	70-130		02/15/22	02/16/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/16/22	
Surrogate: Bromofluorobenzene	92.6 %	70-130		02/15/22	02/16/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		02/15/22	02/16/22	
Surrogate: Toluene-d8	98.9 %	70-130		02/15/22	02/16/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2208066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/22	02/17/22	
Surrogate: n-Nonane	105 %	50-200		02/17/22	02/17/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2208044
Chloride	369	20.0	1	02/15/22	02/16/22	



## Sample Data

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

Project Name: Flathead Federal Com #27  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/21/2022 1:19:16PM

## CS4

## E202065-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Benzene	ND	0.0250	1	02/15/22	02/16/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/16/22	
Toluene	ND	0.0250	1	02/15/22	02/16/22	
o-Xylene	ND	0.0250	1	02/15/22	02/16/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/16/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/16/22	
Surrogate: Bromofluorobenzene	93.9 %	70-130		02/15/22	02/16/22	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		02/15/22	02/16/22	
Surrogate: Toluene-d8	99.3 %	70-130		02/15/22	02/16/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/16/22	
Surrogate: Bromofluorobenzene	93.9 %	70-130		02/15/22	02/16/22	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		02/15/22	02/16/22	
Surrogate: Toluene-d8	99.3 %	70-130		02/15/22	02/16/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2208066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/22	02/17/22	
Surrogate: n-Nonane	98.0 %	50-200		02/17/22	02/17/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2208044
Chloride	59.4	20.0	1	02/15/22	02/16/22	



## Sample Data

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

Project Name: Flathead Federal Com #27  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/21/2022 1:19:16PM

## CS5

## E202065-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Benzene	ND	0.0250	1	02/15/22	02/16/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/16/22	
Toluene	ND	0.0250	1	02/15/22	02/16/22	
o-Xylene	ND	0.0250	1	02/15/22	02/16/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/16/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/16/22	
Surrogate: Bromofluorobenzene	94.7 %	70-130		02/15/22	02/16/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		02/15/22	02/16/22	
Surrogate: Toluene-d8	101 %	70-130		02/15/22	02/16/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/16/22	
Surrogate: Bromofluorobenzene	94.7 %	70-130		02/15/22	02/16/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		02/15/22	02/16/22	
Surrogate: Toluene-d8	101 %	70-130		02/15/22	02/16/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2208066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/22	02/17/22	
Surrogate: n-Nonane	96.2 %	50-200		02/17/22	02/17/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2208044
Chloride	65.7	20.0	1	02/15/22	02/16/22	





## Sample Data

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

Project Name: Flathead Federal Com #27  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/21/2022 1:19:16PM

## CS6

## E202065-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Benzene	ND	0.0250	1	02/15/22	02/16/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/16/22	
Toluene	ND	0.0250	1	02/15/22	02/16/22	
o-Xylene	ND	0.0250	1	02/15/22	02/16/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/16/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/16/22	
Surrogate: Bromofluorobenzene	93.5 %	70-130		02/15/22	02/16/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		02/15/22	02/16/22	
Surrogate: Toluene-d8	101 %	70-130		02/15/22	02/16/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/16/22	
Surrogate: Bromofluorobenzene	93.5 %	70-130		02/15/22	02/16/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		02/15/22	02/16/22	
Surrogate: Toluene-d8	101 %	70-130		02/15/22	02/16/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2208066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/22	02/17/22	
Surrogate: n-Nonane	99.4 %	50-200		02/17/22	02/17/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2208044
Chloride	ND	20.0	1	02/15/22	02/16/22	



## Sample Data

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

Project Name: Flathead Federal Com #27  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/21/2022 1:19:16PM

CS7

E202065-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Benzene	ND	0.0250	1	02/15/22	02/17/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/17/22	
Toluene	ND	0.0250	1	02/15/22	02/17/22	
o-Xylene	ND	0.0250	1	02/15/22	02/17/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/17/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	100 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	100 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2208066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/22	02/17/22	
Surrogate: n-Nonane	101 %	50-200		02/17/22	02/17/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2208044
Chloride	87.8	20.0	1	02/15/22	02/16/22	



## Sample Data

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

Project Name: Flathead Federal Com #27  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/21/2022 1:19:16PM

## CS8

## E202065-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Benzene	ND	0.0250	1	02/15/22	02/17/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/17/22	
Toluene	ND	0.0250	1	02/15/22	02/17/22	
o-Xylene	ND	0.0250	1	02/15/22	02/17/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/17/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	94.3 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	101 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	94.3 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	101 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2208066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/22	02/17/22	
Surrogate: n-Nonane	97.4 %	50-200		02/17/22	02/17/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2208044
Chloride	134	20.0	1	02/15/22	02/16/22	



## Sample Data

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

Project Name: Flathead Federal Com #27  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/21/2022 1:19:16PM

## CS9

## E202065-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Benzene	ND	0.0250	1	02/15/22	02/17/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/17/22	
Toluene	ND	0.0250	1	02/15/22	02/17/22	
o-Xylene	ND	0.0250	1	02/15/22	02/17/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/17/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	97.1 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	101 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	97.1 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	101 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2208066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/22	02/17/22	
Surrogate: n-Nonane	98.5 %	50-200		02/17/22	02/17/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2208044
Chloride	103	20.0	1	02/15/22	02/16/22	





## Sample Data

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

Project Name: Flathead Federal Com #27  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/21/2022 1:19:16PM

## CS10

## E202065-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Benzene	ND	0.0250	1	02/15/22	02/17/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/17/22	
Toluene	ND	0.0250	1	02/15/22	02/17/22	
o-Xylene	ND	0.0250	1	02/15/22	02/17/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/17/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	92.5 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	101 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	92.5 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	101 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2208066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/22	02/17/22	
Surrogate: n-Nonane	100 %	50-200		02/17/22	02/17/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2208044
Chloride	103	20.0	1	02/15/22	02/16/22	



## Sample Data

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

Project Name: Flathead Federal Com #27  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/21/2022 1:19:16PM

## CS11

## E202065-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Benzene	ND	0.0250	1	02/15/22	02/17/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/17/22	
Toluene	ND	0.0250	1	02/15/22	02/17/22	
o-Xylene	ND	0.0250	1	02/15/22	02/17/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/17/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	93.2 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	100 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	93.2 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	100 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2208066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/22	02/17/22	
Surrogate: n-Nonane	101 %	50-200		02/17/22	02/17/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2208044
Chloride	112	20.0	1	02/15/22	02/16/22	



## Sample Data

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

Project Name: Flathead Federal Com #27  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/21/2022 1:19:16PM

## SW1

## E202065-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Benzene	ND	0.0250	1	02/15/22	02/17/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/17/22	
Toluene	ND	0.0250	1	02/15/22	02/17/22	
o-Xylene	ND	0.0250	1	02/15/22	02/17/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/17/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	92.1 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	100 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	92.1 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	100 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2208066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/22	02/17/22	
Surrogate: n-Nonane	97.7 %	50-200		02/17/22	02/17/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2208044
Chloride	118	20.0	1	02/15/22	02/16/22	



## Sample Data

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

Project Name: Flathead Federal Com #27  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/21/2022 1:19:16PM

## SW2

## E202065-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Benzene	ND	0.0250	1	02/15/22	02/17/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/17/22	
Toluene	ND	0.0250	1	02/15/22	02/17/22	
o-Xylene	ND	0.0250	1	02/15/22	02/17/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/17/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	93.2 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	100 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	93.2 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	100 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2208066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/22	02/17/22	
Surrogate: n-Nonane	104 %	50-200		02/17/22	02/17/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2208044
Chloride	91.0	20.0	1	02/15/22	02/16/22	





## Sample Data

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

Project Name: Flathead Federal Com #27  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/21/2022 1:19:16PM

## SW3

## E202065-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Benzene	ND	0.0250	1	02/15/22	02/17/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/17/22	
Toluene	ND	0.0250	1	02/15/22	02/17/22	
o-Xylene	ND	0.0250	1	02/15/22	02/17/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/17/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	93.1 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	100 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	93.1 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	100 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2208066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/22	02/17/22	
Surrogate: n-Nonane	93.4 %	50-200		02/17/22	02/17/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2208044
Chloride	99.9	20.0	1	02/15/22	02/16/22	



## Sample Data

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

Project Name: Flathead Federal Com #27  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/21/2022 1:19:16PM

## SW4

## E202065-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Benzene	ND	0.0250	1	02/15/22	02/17/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/17/22	
Toluene	ND	0.0250	1	02/15/22	02/17/22	
o-Xylene	ND	0.0250	1	02/15/22	02/17/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/17/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	92.4 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	100 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	92.4 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	100 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2208066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/22	02/17/22	
Surrogate: n-Nonane	103 %	50-200		02/17/22	02/17/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2208044
Chloride	109	20.0	1	02/15/22	02/16/22	



## Sample Data

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

Project Name: Flathead Federal Com #27  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/21/2022 1:19:16PM

## SW5

## E202065-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Benzene	ND	0.0250	1	02/15/22	02/17/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/17/22	
Toluene	ND	0.0250	1	02/15/22	02/17/22	
o-Xylene	ND	0.0250	1	02/15/22	02/17/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/17/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	93.2 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	100 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	93.2 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	100 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2208066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/22	02/17/22	
Surrogate: n-Nonane	93.3 %	50-200		02/17/22	02/17/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2208044
Chloride	96.2	20.0	1	02/15/22	02/16/22	



## Sample Data

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

Project Name: Flathead Federal Com #27  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/21/2022 1:19:16PM

## SW6

## E202065-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Benzene	ND	0.0250	1	02/15/22	02/17/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/17/22	
Toluene	ND	0.0250	1	02/15/22	02/17/22	
o-Xylene	ND	0.0250	1	02/15/22	02/17/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/17/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	92.6 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	99.5 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	92.6 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	99.5 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2208066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/22	02/17/22	
Surrogate: n-Nonane	102 %	50-200		02/17/22	02/17/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2208044
Chloride	103	20.0	1	02/15/22	02/16/22	





## Sample Data

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

Project Name: Flathead Federal Com #27  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/21/2022 1:19:16PM

SW7

E202065-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Benzene	ND	0.0250	1	02/15/22	02/17/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/17/22	
Toluene	ND	0.0250	1	02/15/22	02/17/22	
o-Xylene	ND	0.0250	1	02/15/22	02/17/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/17/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	92.6 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	101 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	92.6 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	101 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2208066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/22	02/17/22	
Surrogate: n-Nonane	104 %	50-200		02/17/22	02/17/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2208044
Chloride	89.3	20.0	1	02/15/22	02/16/22	



## Sample Data

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

Project Name: Flathead Federal Com #27  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/21/2022 1:19:16PM

## SW8

## E202065-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Benzene	ND	0.0250	1	02/15/22	02/17/22	
Ethylbenzene	ND	0.0250	1	02/15/22	02/17/22	
Toluene	ND	0.0250	1	02/15/22	02/17/22	
o-Xylene	ND	0.0250	1	02/15/22	02/17/22	
p,m-Xylene	ND	0.0500	1	02/15/22	02/17/22	
Total Xylenes	ND	0.0250	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	91.9 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	101 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2208025
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/22	02/17/22	
Surrogate: Bromofluorobenzene	91.9 %	70-130		02/15/22	02/17/22	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		02/15/22	02/17/22	
Surrogate: Toluene-d8	101 %	70-130		02/15/22	02/17/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2208066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/22	02/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/22	02/17/22	
Surrogate: n-Nonane	106 %	50-200		02/17/22	02/17/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2208044
Chloride	96.0	20.0	1	02/15/22	02/16/22	



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Flathead Federal Com #27	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/21/2022 1:19:16PM

## Volatile Organic Compounds by EPA 8260B

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 (2208025-BLK1)

Prepared: 02/15/22 Analyzed: 02/17/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.469		0.500		93.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

## LCS (2208025-BS1)

Prepared: 02/15/22 Analyzed: 02/17/22

Benzene	2.58	0.0250	2.50		103	70-130			
Ethylbenzene	2.81	0.0250	2.50		112	70-130			
Toluene	2.79	0.0250	2.50		111	70-130			
o-Xylene	2.71	0.0250	2.50		108	70-130			
p,m-Xylene	5.42	0.0500	5.00		108	70-130			
Total Xylenes	8.13	0.0250	7.50		108	70-130			
Surrogate: Bromofluorobenzene	0.476		0.500		95.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

## Matrix Spike (2208025-MS1)

Source: E202065-02

Prepared: 02/15/22 Analyzed: 02/17/22

Benzene	2.38	0.0250	2.50	ND	95.1	48-131			
Ethylbenzene	2.55	0.0250	2.50	ND	102	45-135			
Toluene	2.50	0.0250	2.50	ND	99.9	48-130			
o-Xylene	2.50	0.0250	2.50	ND	100	43-135			
p,m-Xylene	4.93	0.0500	5.00	ND	98.6	43-135			
Total Xylenes	7.43	0.0250	7.50	ND	99.1	43-135			
Surrogate: Bromofluorobenzene	0.483		0.500		96.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

## Matrix Spike Dup (2208025-MSD1)

Source: E202065-02

Prepared: 02/15/22 Analyzed: 02/17/22

Benzene	2.36	0.0250	2.50	ND	94.2	48-131	0.908	23	
Ethylbenzene	2.46	0.0250	2.50	ND	98.3	45-135	3.75	27	
Toluene	2.43	0.0250	2.50	ND	97.4	48-130	2.60	24	
o-Xylene	2.40	0.0250	2.50	ND	96.0	43-135	4.00	27	
p,m-Xylene	4.72	0.0500	5.00	ND	94.3	43-135	4.44	27	
Total Xylenes	7.12	0.0250	7.50	ND	94.9	43-135	4.29	27	
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Flathead Federal Com #27	<b>Reported:</b>
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/21/2022 1:19:16PM

## 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 (2208025-BLK1)

Prepared: 02/15/22 Analyzed: 02/17/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.469		0.500		93.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

## LCS (2208025-BS2)

Prepared: 02/15/22 Analyzed: 02/17/22

Gasoline Range Organics (C6-C10)	56.2	20.0	50.0		112	70-130			
Surrogate: Bromofluorobenzene	0.471		0.500		94.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

## Matrix Spike (2208025-MS2)

Source: E202065-02

Prepared: 02/15/22 Analyzed: 02/17/22

Gasoline Range Organics (C6-C10)	57.7	20.0	50.0	ND	115	70-130			
Surrogate: Bromofluorobenzene	0.472		0.500		94.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

## Matrix Spike Dup (2208025-MSD2)

Source: E202065-02

Prepared: 02/15/22 Analyzed: 02/17/22

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0	ND	108	70-130	6.44	20	
Surrogate: Bromofluorobenzene	0.474		0.500		94.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			





## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Flathead Federal Com #27	<b>Reported:</b>
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/21/2022 1:19:16PM

## 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 (2208066-BLK1)

Prepared: 02/17/22 Analyzed: 02/17/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.1		50.0		108	50-200			

## LCS (2208066-BS1)

Prepared: 02/17/22 Analyzed: 02/17/22

Diesel Range Organics (C10-C28)	577	25.0	500		115	38-132			
Surrogate: n-Nonane	50.0		50.0		99.9	50-200			

## Matrix Spike (2208066-MS1)

Source: E202065-08

Prepared: 02/17/22 Analyzed: 02/17/22

Diesel Range Organics (C10-C28)	541	25.0	500	ND	108	38-132			
Surrogate: n-Nonane	45.4		50.0		90.9	50-200			

## Matrix Spike Dup (2208066-MSD1)

Source: E202065-08

Prepared: 02/17/22 Analyzed: 02/17/22

Diesel Range Organics (C10-C28)	541	25.0	500	ND	108	38-132	0.132	20	
Surrogate: n-Nonane	51.1		50.0		102	50-200			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Flathead Federal Com #27	<b>Reported:</b>
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/21/2022 1:19:16PM

## Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2208044-BLK1)

Prepared: 02/15/22 Analyzed: 02/16/22

Chloride ND 20.0

## LCS (2208044-BS1)

Prepared: 02/15/22 Analyzed: 02/16/22

Chloride 269 20.0 250 107 90-110

## Matrix Spike (2208044-MS1)

Source: E202065-01

Prepared: 02/15/22 Analyzed: 02/16/22

Chloride 301 20.0 250 41.5 104 80-120

## Matrix Spike Dup (2208044-MSD1)

Source: E202065-01

Prepared: 02/15/22 Analyzed: 02/16/22

Chloride 304 20.0 250 41.5 105 80-120 0.919 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:	Flathead Federal Com #27	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/21/22 13:19

- 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: Flathead Federal Com #27					Attention:		Lab WO# E 202005		Job Number 21004-0001		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Tom Bynum					Address:		Analysis and Method										
Address: 5614 N. Lovington Hwy.					City, State, Zip												RCRA
City, State, Zip Hobbs, NM, 88240					Phone:												
Phone: 580-748-1613					Email:												
Email: tom@pimaoil.com					Pima Project #												
Report due by:																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX	Remarks		
	2/11/22	Soil	1-402	CS1	1								X				
				CS2	2												
				CS3	3												
				CS4	4												
				CS5	5												
				CS6	6												
				CS7	7												
				CS8	8												
				CS9	9												
				CS10	10												
Additional Instructions:																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only									
[Signature]		2/11/22	1250	[Signature]		2-11-22	1250	Received on ice: Y / N									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3									
[Signature]		2-11-22	1700	[Signature]		2/12/22	11:35										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C 4									
[Signature]				[Signature]													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



## Project Information

## Chain of Custody

Page 2 of 2

Client: Pima Environmental Services					<b>Bill To</b>					Lab Use Only					TAT				EPA Program					
Project: Flathead Federal Cam #27					Attention: SPUR ENERGY					Lab WO#		Job Number			1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Tom Bynum					Address:					E2020605		210604-0001						X						
Address: 5614 N. Lovington Hwy.					City, State, Zip					Analysis and Method												RCRA		
City, State, Zip Hobbs, NM, 88240					Phone:					DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX					
Phone: 580-748-1613					Email:																			
Email: tom@pimaoil.com					Pima Project #																			
Report due by:																								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																			
	2/11/22	Soil	1-402	CS11	11												X							
				SW1	12																			
				SW2	13																			
				SW3	14																			
				SW4	15																			
				SW5	16																			
				SW6	17																			
				SW7	18																			
				SW8	19																			
Additional Instructions:																								
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.														
Relinquished by: (Signature) <i>Sebastian J.</i>					Date 2/11/22		Time 1250		Received by: (Signature) <i>[Signature]</i>					Date 2-11-22		Time 1250		Lab Use Only						
Relinquished by: (Signature) <i>[Signature]</i>					Date 2-11-22		Time 1700		Received by: (Signature) <i>[Signature]</i>					Date 2/12/22		Time 11:35		Received on ice: <u>Y</u> / N						
Relinquished by: (Signature) <i>[Signature]</i>					Date		Time		Received by: (Signature)					Date		Time		T1 T2 T3						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										AVG Temp °C <u>4</u>				
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: 2/15/2022 2:27:00PM

## 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:	02/12/22 11:35	Work Order ID:	E202065
Phone:	(575) 631-6977	Date Logged In:	02/11/22 15:59	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	02/18/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
  2. Does the number of samples per sampling site location match the COC? Yes
  3. Were samples dropped off by client or carrier? Yes
  4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
  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: CarrierComments/Resolution

No sample times provided on the COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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

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

CONDITIONS  
  
Action 94747

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 94747
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	5/3/2022