

Spill Volume(Bbls) Calculator		
<i>Inputs in blue, Outputs in red</i>		
Length(Ft)	Width(Ft)	Depth(In)
<u>30.000</u>	<u>35.000</u>	<u>2.500</u>
Cubic Feet Impacted		<u>218.750</u>
Barrels		<u>38.96</u>
Soil Type		Clay/Sand
Bbls Assuming 100% Saturation		<u>5.84</u>
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels Released		5.90000

Instructions
1. Input spill measurements below. Length and width need to be input in feet and depth in inches.
2. Select a soil type from the drop down menu.
3. Select a saturation level from the drop down menu.
(For data gathering instructions see appendix tab)

Measurements	
Length (ft)	30
Width (ft)	35
Depth (in)	2.500









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

February 16, 2024

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

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

RE: Site Assessment, Remediation, and Closure Report
Puckett 13 Federal Com 27H
API No. 30-015-43872
GPS: Latitude 32.84305 Longitude -103.81806
UL- P, Section 12, Township 17S, Range 31E
NMOCD Reference No. NAPP2313135384

Spur Energy Partners (Spur) has contracted Pima Environmental Services, LLC (Pima) to perform a liner inspection and prepare this closure report for the release of produced water and crude oil that happened on the Puckett 13 Fed Com #027H (Puckett). An initial C-141 was submitted on May 11, 2023, this incident was assigned Incident ID NAPP2313135384, by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

The Puckett is located approximately 3.34 miles southwest of Maljamar, NM. This spill site is in Unit P, Section 12, Township 17S, Range 31E, Latitude 32.84305 Longitude -103.81806, Eddy County, NM. A Location Map can be found in Figure 1.

As per the New Mexico Bureau of Geology and Mineral Resources, the geological classification encompasses Eolian and piedmont deposits (Holocene and piedmont deposits), composed of interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits detailed in Appendix B. The soil composition in this vicinity predominantly consists of the Berino-Pajarito complex, 0 to 3 percent sloped, eroded, as indicated in the United States Department of Agriculture Natural Resources Conservation Service soil survey (refer to Appendix B). Drainage courses in this area are characterized as well-drained. Notably, the geographical data suggests a great likelihood of low karst geology in the vicinity of Puckett (refer to Figure 3).

Based on the well water data from the New Mexico Office of the State Engineer, the depth to the nearest groundwater (RA-13286 POD1) in this vicinity measures the depth of the groundwater at over 101 feet below grade surface (BGS), positioned roughly 0.15 miles away from the Puckett, drilled on March 23, 2023. Conversely, as per the United States Geological Survey well water data, the nearest groundwater depth in this region (USGS 325356103460801) is recorded at 243 feet BGS, situated approximately 4.95 miles away from the Puckett, with the last gauge conducted on February 2, 2016. For detailed references to water surveys and the precise locations of water wells, please refer to Appendix A, inclusive of the relevant maps. Notably, the Puckett is situated within an area with a low potential for karst, as illustrated in Figure 3. Additionally, a comprehensive Topographic Map is available for reference in Figure 2.

Table 1 NMAC and Closure Criteria 19.15.29

Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50'	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'(RA-13286)	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

NAPP2313135384: On May 7, 2023, there was a rupture in the stuffing box packing, leading to the discharge of a mixture of oil and produced water onto the engineered pad. About 3 barrels of produced water and 3 barrels of crude oil were discharged, and efforts were made to recover approximately 2 barrels of crude oil and the entire 3 barrels of produced water. The last barrel of crude oil was successfully recovered during subsequent remediation activities. The affected area covered approximately 1,025 square feet.

Site Assessment and Soil Sampling Results

On May 11, 2023, Pima Environmental Services mobilized its workforce to Puckett for the completion of delineation activities. Our team executed sampling procedures across the affected area. To evaluate the levels of naturally occurring chlorides in the vicinity, we collected two background samples (BG1 and BG2). Vertical delineation involved the collection of three bottom samples (S1-S3) at various depths, ranging from surface levels to five feet below ground surface (bgs). Additionally, three side wall samples (SW1-SW3) were obtained at a depth of six inches for horizontal delineation. The detailed laboratory results for this sampling event are provided in the accompanying data table. For a more comprehensive overview, refer to the laboratory report available in Appendix E. An Initial assessment site map can be found in Figure 5.

5-11-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Spur Energy- Puckett Fed. Com. 27H								
Date: 5/11/23		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1	1'	ND	ND	ND	ND	ND	0	1000
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
	5'	ND	ND	ND	ND	ND	0	ND
S2	1'	ND	ND	ND	ND	ND	0	12800
	3'	ND	ND	ND	ND	ND	0	1780
	4'	ND	ND	ND	ND	ND	0	505
	5'	ND	ND	ND	ND	ND	0	ND
S3	1'	ND	ND	ND	ND	ND	0	8810
	3'	0.2914	ND	ND	37.4	ND	37.4	1220
	4'	ND	ND	ND	423	229	652	74.1
	5'	ND	ND	ND	ND	ND	0	ND
SW1	6"	ND	ND	ND	ND	ND	0	ND
SW2	6"	ND	ND	ND	ND	ND	0	ND
SW3	6"	ND	ND	ND	ND	ND	0	ND
BG1	6"	ND	ND	ND	ND	ND	0	ND
BG2	6"	ND	ND	ND	ND	ND	0	26.4

ND- Analyte Not Detected

The sample results indicate that both the base and side wall samples are below the NMOCD closure criteria outlined in 19.15.29 NMAC. Consequently, there is no need for further remediation efforts.

On June 5, 2023, in response to Spur Energy's request, Pima deployed personnel and equipment for a surface scrape operation in the spill area. Approximately 1,200 square feet of the affected region was targeted. Approximately 12 cubic yards of stained soil were transported to Lea Land, LLC, an NMOCD approved disposal facility. Following the soil removal, the site underwent back dragging and machine compaction to restore it to its original contour.

Countermeasures due to Rejection

On December 27, 2023, the previously submitted report was rejected due to several concerns raised by the NMOCD. The summary of rejection outlined the following reasons:

- 1) The photos on page 32 of the report say, "Till and treat, Post treatment". Please be advised that bioremediation projects will need to be preapproved by the OCD. A thorough discussion needs to be included in the report outlining, at a minimum, sampling treatment protocols, processes, and mechanics.
- The photo tag was mislabeled; it should have been identified as "post excavation" to accurately reflect the completed scope of work.
- 2) The soil in all of the "Post treatment" photos look discolored and should be reassessed.
- The discoloration observed resulted from the excavation process, which exposed topsoil-like material. When this material was reworked with the clean caliche backfill, specific areas retained a red tone due to the presence of the underlying topsoil-like substance.

On January 25, 2024, Spur Energy proactively submitted a 48-hour sampling notification as part of the preliminary preparations leading up to the final confirmation sampling event. This precautionary step was taken with the expectation that all sampling results would fall below the closure criteria established by the New Mexico Oil Conservation Division (NMOCD). Should the results confirm compliance, the plan is to move forward with the closure process. For additional details, the 48-hour notification can be referenced in Appendix C.

On January 30, 2024, Pima mobilized its workforce to the Puckett and conducted a second assessment as a response to the NMOCDs request. Additional vertical delineation involved the collection of five bottom samples (S1-S5) at various depths, ranging from surface levels to five feet below ground surface (bgs). Additionally, four side wall samples (SW1-SW4) were obtained at a depth of six inches and one foot for horizontal delineation. The detailed laboratory results for this sampling event are provided in the accompanying data table. For a more comprehensive overview, refer to the laboratory report available in Appendix E. A secondary assessment site map can be found in Figure 6.

1-30-2024 Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Spur Energy- Puckett Fed. Com. 27H								
Date: 1/30/2024		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
S1	1'	ND	ND	ND	ND	ND	0	1620
	4'	ND	ND	ND	ND	ND	0	3590
	6'	ND	ND	ND	ND	ND	0	ND
S2	1'	ND	ND	ND	ND	ND	0	1560
	4'	ND	ND	ND	ND	ND	0	342
	5'	ND	ND	ND	ND	ND	0	ND
S3	1'	ND	ND	ND	ND	ND	0	3110
	4'	ND	ND	ND	ND	ND	0	275
	5'	ND	ND	ND	ND	ND	0	ND
S4	1'	ND	ND	ND	ND	ND	0	2440
	4'	ND	ND	ND	ND	ND	0	723
	5'	ND	ND	ND	ND	ND	0	ND
S5	Surface	ND	ND	ND	ND	ND	0	648
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND

SW1	6"	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
SW2	6"	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
SW3	6"	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
SW4	6"	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

A total of twenty-three (23) samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel, and gasoline range organics (MRO, DRO, & GRO) by EPA Method 8015D. All samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to EnviroTech laboratories in Farmington, New Mexico (Appendix C).

On February 8, 2024, Pima received lab confirmation that all samples were below NMOCD closure criteria.

After verifying that all soil samples adhered to the closure standards established by the New Mexico Oil Conservation Division (NMOCD), Pima Environmental concluded that no further remediation is required. Additionally, as the footprint of the previously affected release area was not discernible, a superficial scrape was deemed unnecessary.

Closure Request

After careful review, Pima requests that this incident, NAPP2313135384, be closed. Spur Energy has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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

Respectfully,
Sebastian Orozco
Environmental Project Manager
Pima Environmental Services, LLC

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Water Well Location Map
- 5- Initial Assessment Site Map
- 6- Secondary Assessment Site Map

Appendices:

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



Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

3-Karst Map

4-Water Well Location Map

5-Initial Assessment Site Map (5/11/2023)

6-Secondary Assessment Site Map (1/30/2024)

Puckett 13 fed com 27H

Spur Energy Partners
API:30-015-43872
Eddy County,NM
Location Map

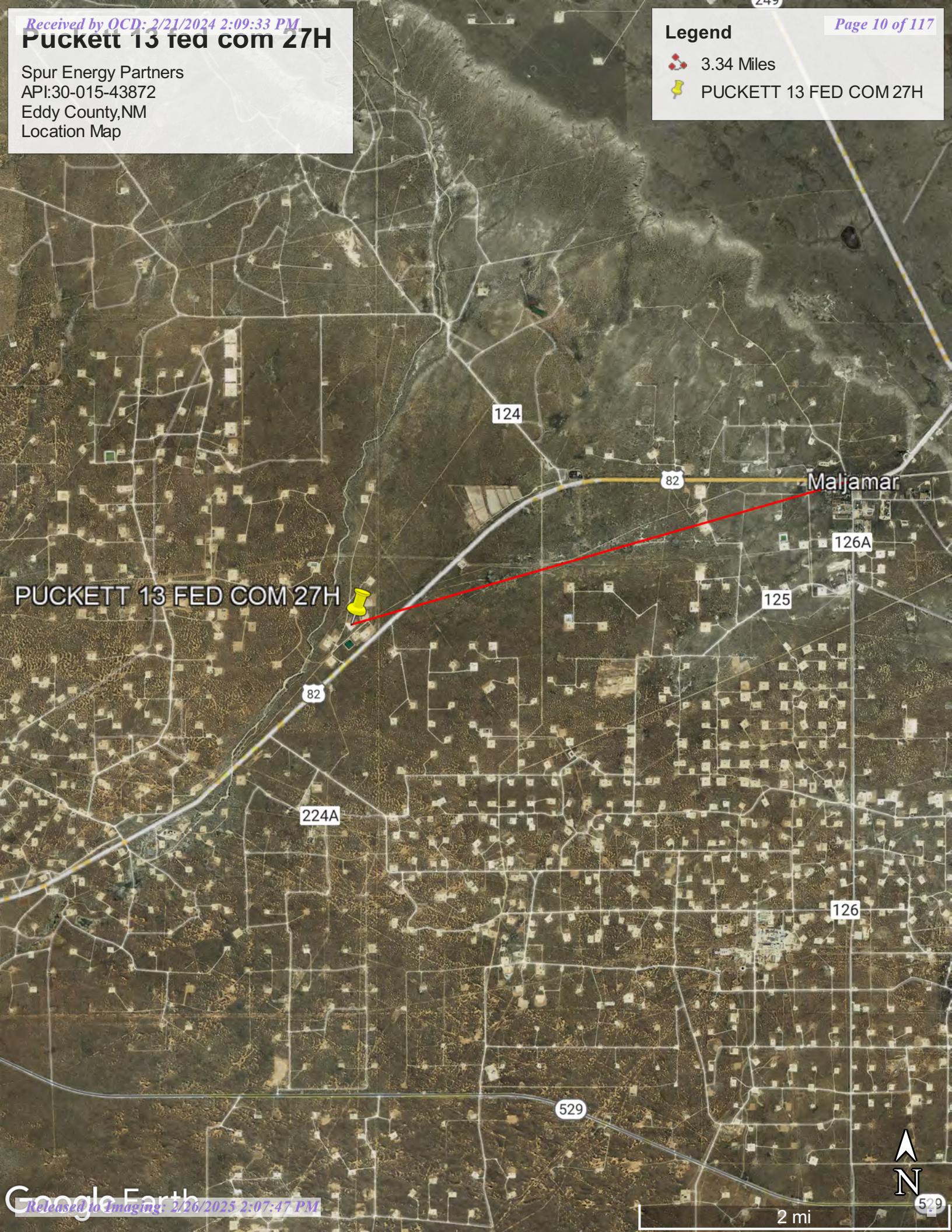
Legend



3.34 Miles



PUCKETT 13 FED COM 27H



PUCKETT 13 FED COM 27H

Maljamar

126A

125

82

224A

126

529




2 mi


529

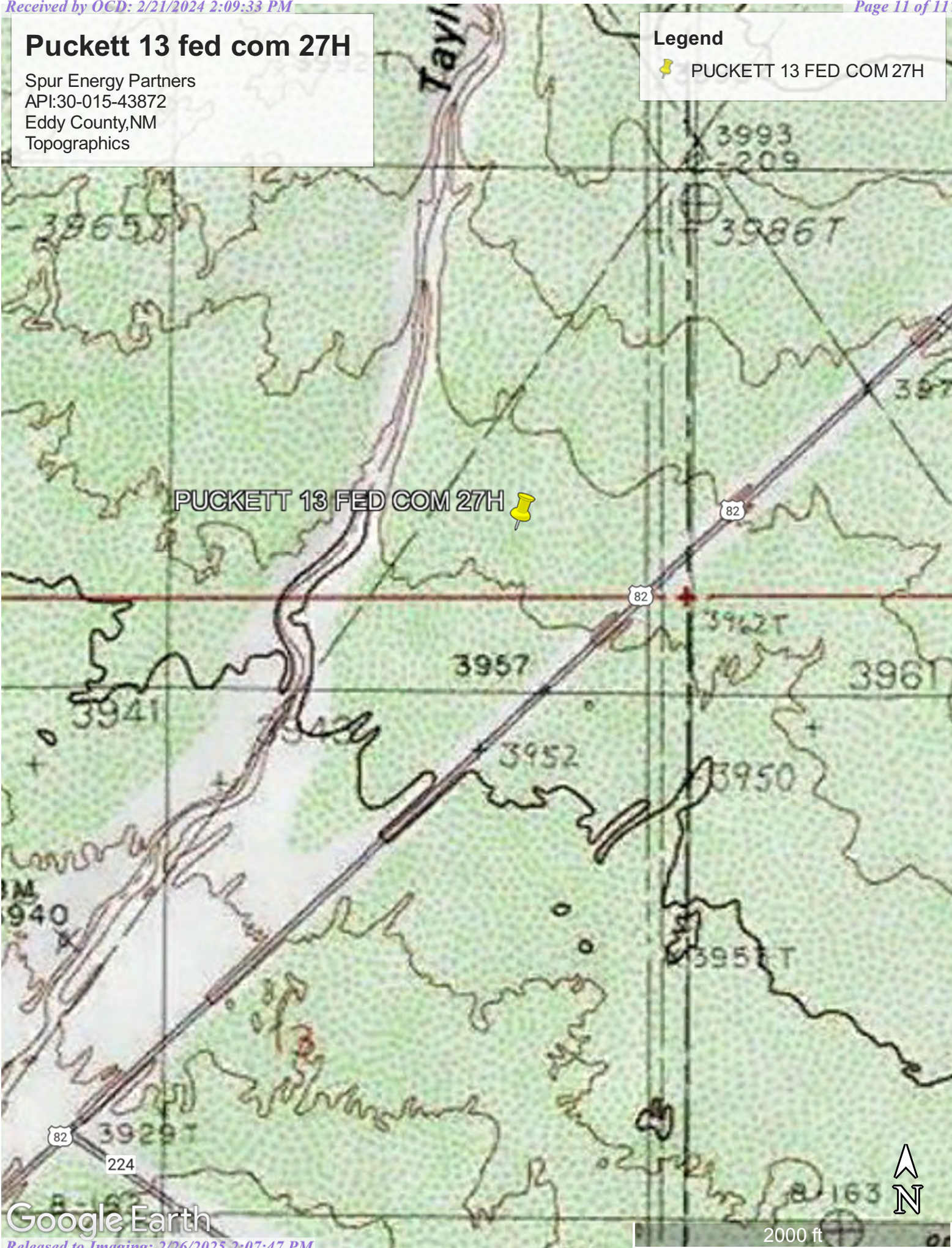
Puckett 13 fed com 27H

Spur Energy Partners
API:30-015-43872
Eddy County,NM
Topographics

Legend

 PUCKETT 13 FED COM 27H

PUCKETT 13 FED COM 27H 






Google Earth

Puckett 13 fed com 27H

Spur Energy Partners
API:30-015-43872
Eddy County,NM
Karst Map

Legend

-  Low Karst
-  High Karst
-  Medium Karst
-  PUCKETT 13 FED COM 27H

PUCKETT 13 FED COM 27H



82

82

82

224

224A

Google Earth




1 mi

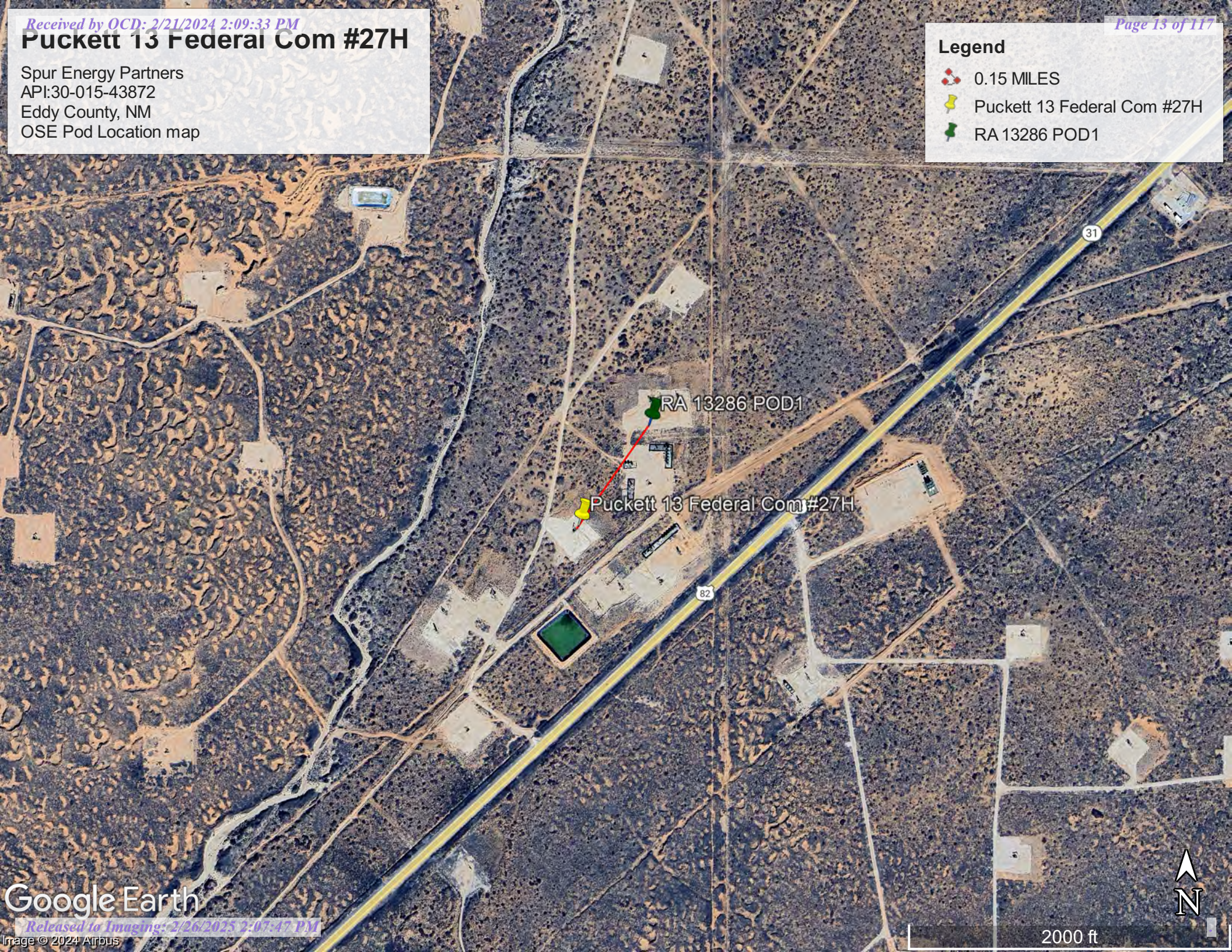


Puckett 13 Federal Com #27H

Spur Energy Partners
API:30-015-43872
Eddy County, NM
OSE Pod Location map

Legend

-  0.15 MILES
-  Puckett 13 Federal Com #27H
-  RA 13286 POD1






Google Earth

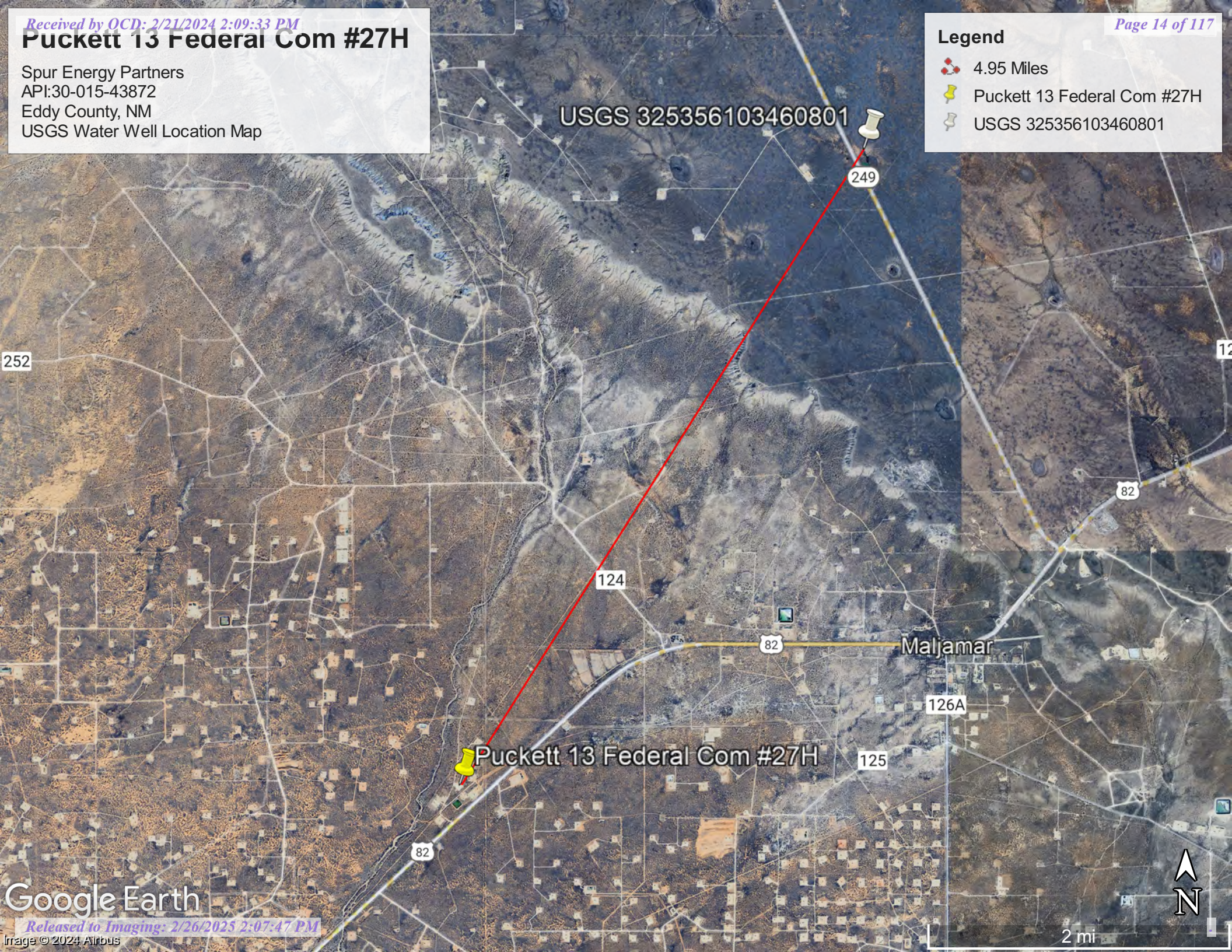
2000 ft

Puckett 13 Federal Com #27H

Spur Energy Partners
API:30-015-43872
Eddy County, NM
USGS Water Well Location Map

Legend

-  4.95 Miles
-  Puckett 13 Federal Com #27H
-  USGS 325356103460801





Google Earth

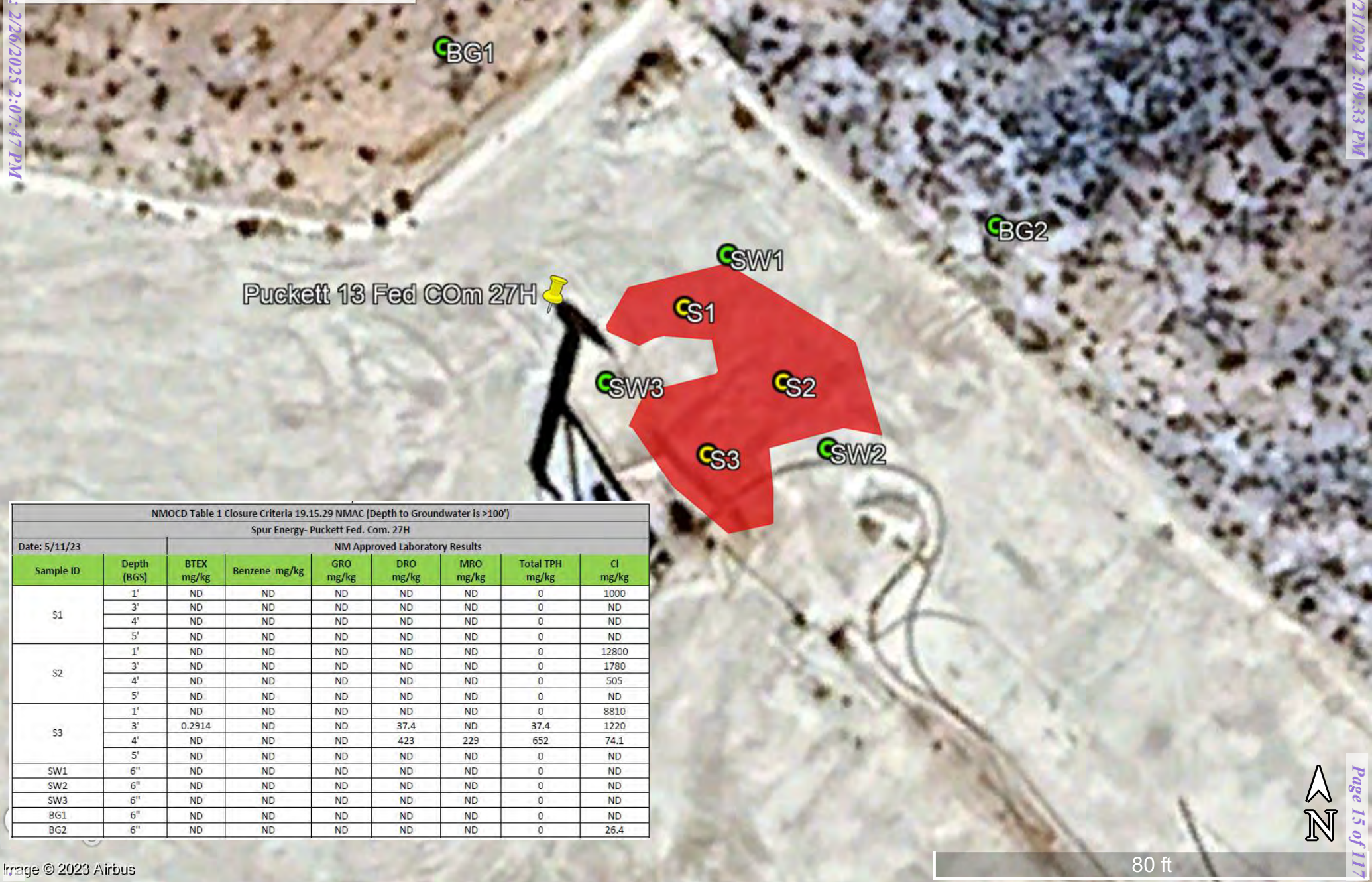
Puckett 13 Fed Com 27H

Spur Energy
API: 30-015-43872
Eddy County, NM
Site Map Initial Assessment 5/11/23

Legend

 Puckett 13 Fed Com 27H

 Spill area




NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Spur Energy- Puckett Fed. Com. 27H								
Date: 5/11/23		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1	1'	ND	ND	ND	ND	ND	0	1000
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
	5'	ND	ND	ND	ND	ND	0	ND
S2	1'	ND	ND	ND	ND	ND	0	12800
	3'	ND	ND	ND	ND	ND	0	1780
	4'	ND	ND	ND	ND	ND	0	505
	5'	ND	ND	ND	ND	ND	0	ND
S3	1'	ND	ND	ND	ND	ND	0	8810
	3'	0.2914	ND	ND	37.4	ND	37.4	1220
	4'	ND	ND	ND	423	229	652	74.1
	5'	ND	ND	ND	ND	ND	0	ND
SW1	6"	ND	ND	ND	ND	ND	0	ND
SW2	6"	ND	ND	ND	ND	ND	0	ND
SW3	6"	ND	ND	ND	ND	ND	0	ND
BG1	6"	ND	ND	ND	ND	ND	0	ND
BG2	6"	ND	ND	ND	ND	ND	0	26.4

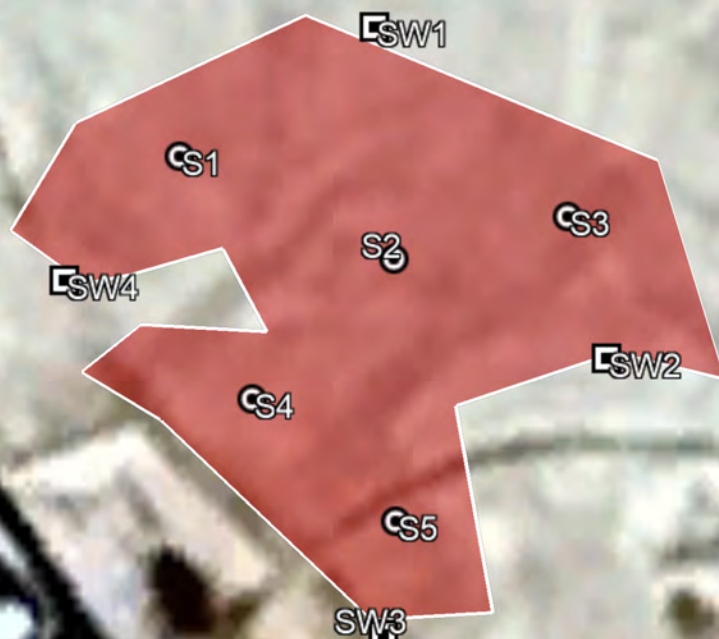
Puckett 13 Fed Com 27H

Spur Energy
API: 30-015-43872
Eddy County, NM
Secondary Assessment Site Map (1/30/24)

Legend

- Bottom Sample
- Release Area ~1,025 ft squared
- Side Wall Sample

 Puckett 13 Fed Com 27H



NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Spur Energy- Puckett Fed. Com. 27H								
Date: 1/30/2024		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
S1	1'	ND	ND	ND	ND	ND	0	1620
	4'	ND	ND	ND	ND	ND	0	3590
	6'	ND	ND	ND	ND	ND	0	ND
S2	1'	ND	ND	ND	ND	ND	0	1560
	4'	ND	ND	ND	ND	ND	0	342
	5'	ND	ND	ND	ND	ND	0	ND
S3	1'	ND	ND	ND	ND	ND	0	3110
	4'	ND	ND	ND	ND	ND	0	275
	5'	ND	ND	ND	ND	ND	0	ND
S4	1'	ND	ND	ND	ND	ND	0	2440
	4'	ND	ND	ND	ND	ND	0	723
	5'	ND	ND	ND	ND	ND	0	ND
S5	Surface	ND	ND	ND	ND	ND	0	648
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
SW1	6"	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
SW2	6"	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
SW3	6"	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
SW4	6"	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND



Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tw	Rng	X	Y	Distance	Depth	Well	Depth	Water Column
RA 13286 POD1		RA	ED	2	4	4	12	17S	31E	610742	3634697	232		101		
RA 13234 POD1		RA	LE	1	4	1	19	17S	32E	611435	3632294	2360		104		
RA 13324 POD1		RA	ED	4	4	1	10	17S	31E	606711	3635310	3982		55		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 610611.11

Northing (Y): 3634505.87

Radius: 5000

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.


1/2/24 3:48 PM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	RA 13286 POD1	2	4	4	12	17S	31E	610742	3634697 
<hr/>									
Driller License: 1249		Driller Company: ATKINS ENGINEERING ASSOC. INC.							
Driller Name: JACKIE ATKINS									
Drill Start Date: 03/23/2023		Drill Finish Date: 03/23/2023				Plug Date: 04/03/2023			
Log File Date: 06/27/2023		PCW Rev Date:				Source:			
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size:		Depth Well: 101 feet				Depth Water:			

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

2/14/24 4:17 PM

POINT OF DIVERSION SUMMARY



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

National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater ▼

Geographic Area:

United States ▼

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation



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

Search Results -- 1 sites found

site_no list =

- 325356103460801

Minimum number of levels = 1

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

USGS 325356103460801 16S.32E.21.32444

Available data for this site

Groundwater: Field measurements ▼

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°54'13.4", Longitude 103°46'19.8" NAD83

Land-surface elevation 4,329 feet above NAVD88

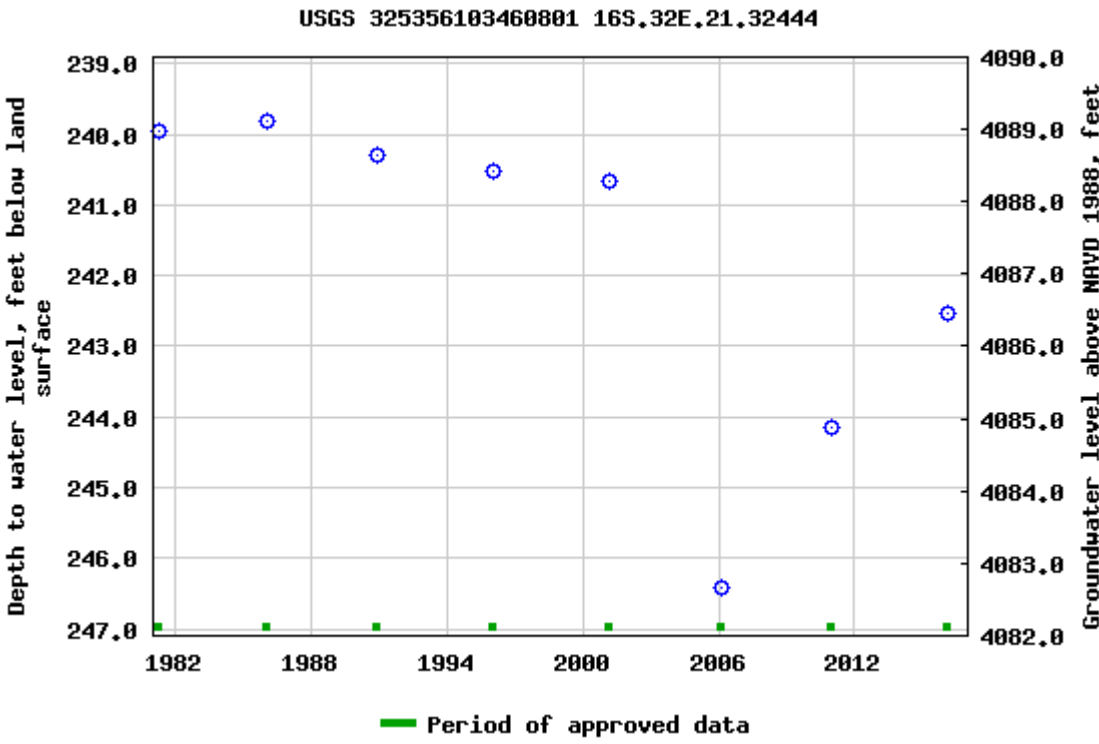
The depth of the well is 295 feet below land surface.

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

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

Output formats

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



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

[Download a presentation-quality graph](#)

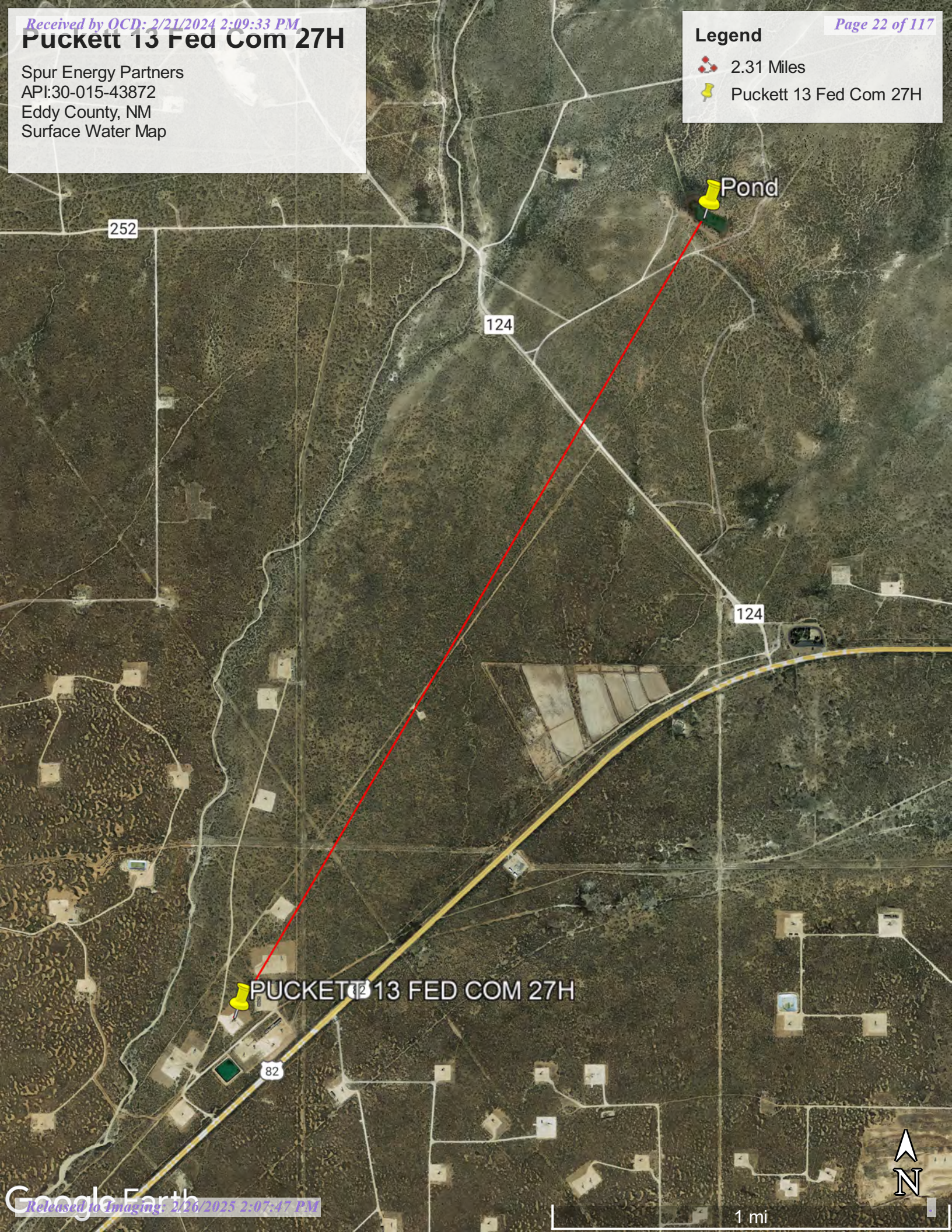
- [Questions or Comments](#)
- [Automated retrievals](#)
- [Help](#)
- [Data Tips](#)
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Puckett 13 Fed Com 27H

Spur Energy Partners
API:30-015-43872
Eddy County, NM
Surface Water Map

Legend

- 2.31 Miles
- Puckett 13 Fed Com 27H





Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Berino-Pajarito complex, 0 to 3 percent slopes, eroded---Eddy Area,
New Mexico

Eddy Area, New Mexico

BP—Berino-Pajarito complex, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w45

Elevation: 2,450 to 4,200 feet

Mean annual precipitation: 5 to 15 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 190 to 250 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 46 percent

Pajarito and similar soils: 45 percent

Minor components: 9 percent

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

Description of Berino

Setting

Landform: Plains, fan piedmonts

Landform position (three-dimensional): Riser

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand

H2 - 17 to 50 inches: sandy loam

H3 - 50 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 7.3 inches)

Interpretive groups

Land capability classification (irrigated): 4e

Map Unit Description: Berino-Pajarito complex, 0 to 3 percent slopes, eroded---Eddy Area,
New Mexico

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

Description of Pajarito

Setting

Landform: Plains, interdunes, dunes
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Linear, convex
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: loamy fine sand
H2 - 9 to 36 inches: fine sandy loam
H3 - 36 to 72 inches: fine 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: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0
mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.0
inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 3 percent
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

Dune land

Percent of map unit: 3 percent
Hydric soil rating: No

Map Unit Description: Berino-Pajarito complex, 0 to 3 percent slopes, eroded---Eddy Area,
New Mexico

Wink

Percent of map unit: 3 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

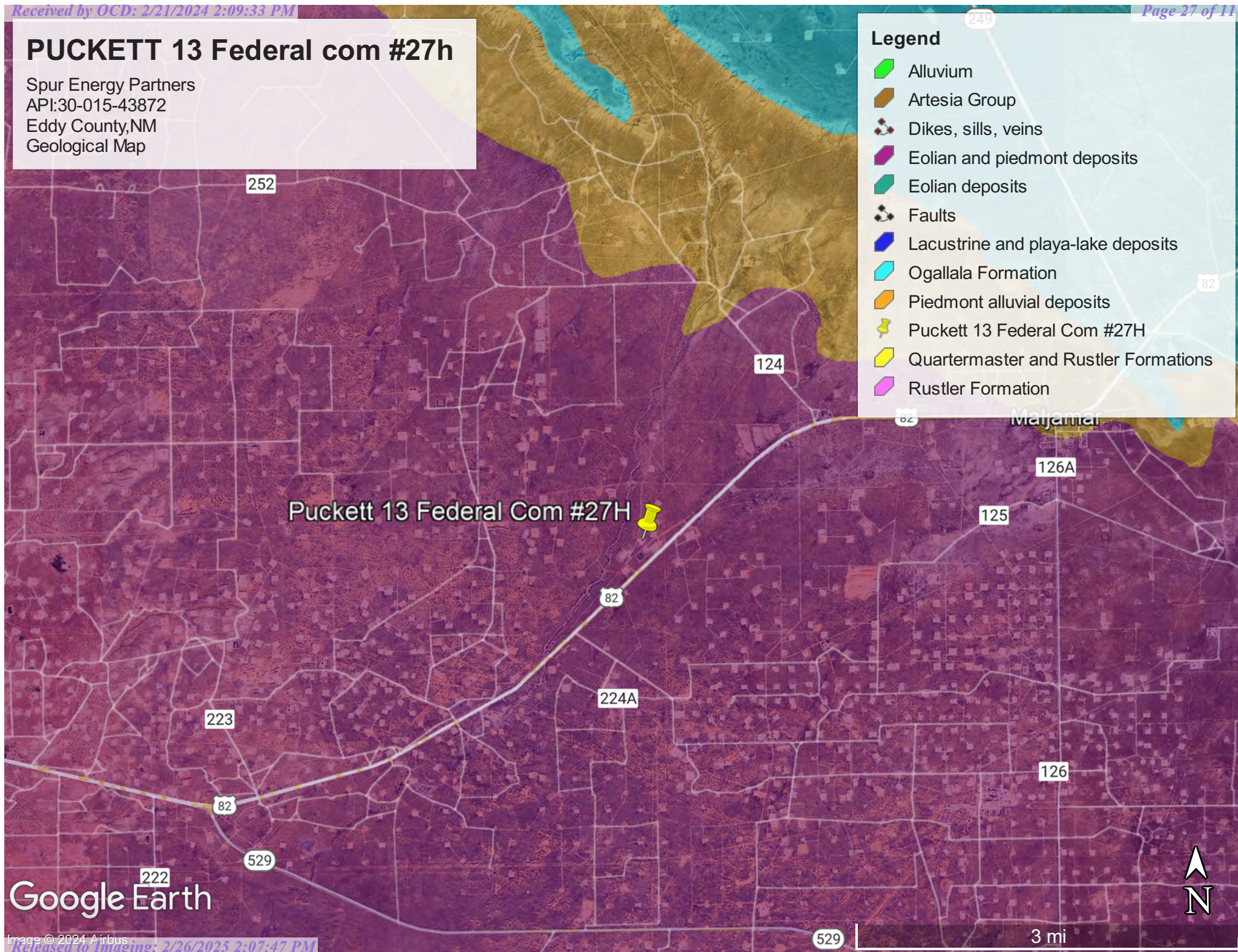
Survey Area Data: Version 19, Sep 7, 2023

PUCKETT 13 Federal com #27h

Spur Energy Partners
API:30-015-43872
Eddy County,NM
Geological Map

Legend

- Alluvium
- Artesia Group
- Dikes, sills, veins
- Eolian and piedmont deposits
- Eolian deposits
- Faults
- Lacustrine and playa-lake deposits
- Ogallala Formation
- Piedmont alluvial deposits
- Puckett 13 Federal Com #27H
- Quartermaster and Rustler Formations
- Rustler Formation



(<https://www.usgs.gov/>)

Mineral Resources (<https://www.usgs.gov/energy-and-minerals/mineral-resources-program>)
/ Online Spatial Data (/) / Geology (/geology/) / by state (/geology/state/)
/ New Mexico (/geology/state/state.php?state=NM)

Eolian and piedmont deposits

XML (/geology/state/xml/NMQep;0)	JSON (/geology/state/json/NMQep;0)
Shapefile (/geology/state/unit-shape.php?unit=NMQep;0)	

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.

State	New Mexico (/geology/state/state.php?state=NM)
Name	Eolian and piedmont deposits
Geologic age	Holocene to middle Pleistocene
Lithologic constituents	Major Unconsolidated (Eolian) Interlayered eolian sands and piedmont-slope deposits
References	New Mexico Bureau of Geology and Mineral Resources, 2003, Geologic Map of New Mexico, scale 1:500,000 (includes some new polygons, faults, and attributes not in NM001 - heads up digitizing by JHorton).
NGMDB product	NGMDB product page for 22974 (https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm)
Counties	Chaves (/geology/state/fips-unit.php?code=f35005) - DeBaca (/geology/state/fips-unit.php?code=f35011) - Eddy (/geology/state/fips-unit.php?code=f35015) - Lea (/geology/state/fips-unit.php?code=f35025) - Roosevelt (/geology/state/fips-unit.php?code=f35041)

DOI Privacy Policy (<https://www.doi.gov/privacy>) | Legal (https://www.usgs.gov/laws/policies_notices.html) |
Accessibility (<https://www2.usgs.gov/laws/accessibility.html>) | Site Map (<https://www.usgs.gov/sitemap.html>) |
Contact USGS (<https://answers.usgs.gov/>)

U.S. Department of the Interior (<https://www.doi.gov/>) | DOI Inspector General (<https://www.doiig.gov/>) |

White House (<https://www.whitehouse.gov/>) | E-gov (<https://www.whitehouse.gov/omb/management/egov/>) |

No Fear Act (<https://www.doi.gov/pmb/eeo/no-fear-act>) | FOIA (<https://www2.usgs.gov/foia>)

National Flood Hazard Layer FIRMette



103°49'24"W 32°50'50"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone Z
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone X
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/2/2024 at 5:54 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.

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap Imagery Source: USGS National Map 2023

Received by OCD: 2/2/2024 2:09:33 PM

Page 30 of 117



February 16, 2024

Wetlands

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

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



Pima Environmental Services

Appendix C

48-Hour Notification

Sebastian@pimaoil.com

From: OCDOnline@state.nm.us
Sent: Thursday, January 25, 2024 4:36 PM
To: sebastian@pimaoil.com
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 308150

To whom it may concern (c/o Sebastian Orozco for Spur Energy Partners LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2313135384.

The sampling event is expected to take place:

When: 01/30/2024 @ 07:00

Where: P-12-17S-31E 0 FNL 0 FEL (32.84305,-103.81806)

Additional Information: Andrew Franco - 1(806)200-0054

Additional Instructions: From Maljamar, NM head west on US-82 W and continue for 3.7 miles. Make a right hand turn onto an unnamed dirt road and continue for 0.33 miles. The location is to the right.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive
Santa Fe, NM 87505



Pima Environmental Services

Appendix D

Photographic Documentation



SPUR ENERGY PARTNERS
PUCKETT 13 FEDERAL COM #27H
SITE PHOTOGRAPHS

ASSESSMENT-







Pima Environmental Services

Appendix E

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Spur Puckett 13 Fed.27

Work Order: E305091

Job Number: 21068-0001

Received: 5/16/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/22/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 5/22/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Spur Puckett 13 Fed.27
Workorder: E305091
Date Received: 5/16/2023 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/16/2023 8:30:00AM, under the Project Name: Spur Puckett 13 Fed.27.

The analytical test results summarized in this report with the Project Name: Spur Puckett 13 Fed.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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Spur Puckett 13 Fed.27	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/22/23 07:20

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E305091-01A	Soil	05/11/23	05/16/23	Glass Jar, 2 oz.
S1 - 3'	E305091-02A	Soil	05/11/23	05/16/23	Glass Jar, 2 oz.
S1 - 4'	E305091-03A	Soil	05/11/23	05/16/23	Glass Jar, 2 oz.
S1 - 5'	E305091-04A	Soil	05/11/23	05/16/23	Glass Jar, 2 oz.
S2 - 1'	E305091-05A	Soil	05/11/23	05/16/23	Glass Jar, 2 oz.
S2 - 3'	E305091-06A	Soil	05/11/23	05/16/23	Glass Jar, 2 oz.
S2 - 4'	E305091-07A	Soil	05/11/23	05/16/23	Glass Jar, 2 oz.
S2 - 5'	E305091-08A	Soil	05/11/23	05/16/23	Glass Jar, 2 oz.
S3 - 1'	E305091-09A	Soil	05/11/23	05/16/23	Glass Jar, 2 oz.
S3 - 3'	E305091-10A	Soil	05/11/23	05/16/23	Glass Jar, 2 oz.
S3 - 4'	E305091-11A	Soil	05/11/23	05/16/23	Glass Jar, 2 oz.
SW1	E305091-12A	Soil	05/11/23	05/16/23	Glass Jar, 2 oz.
SW2	E305091-13A	Soil	05/11/23	05/16/23	Glass Jar, 2 oz.
SW3	E305091-14A	Soil	05/11/23	05/16/23	Glass Jar, 2 oz.
SW4	E305091-15A	Soil	05/11/23	05/16/23	Glass Jar, 2 oz.
S3 - 5'	E305091-16A	Soil	05/11/23	05/16/23	Glass Jar, 2 oz.
BG1	E305091-17A	Soil	05/11/23	05/16/23	Glass Jar, 2 oz.
BG2	E305091-18A	Soil	05/11/23	05/16/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Spur Puckett 13 Fed.27	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/22/2023 7:20:23AM

S1 - 1'

E305091-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2320032	
Benzene	ND	0.0250	1	05/16/23	05/17/23	
Ethylbenzene	ND	0.0250	1	05/16/23	05/17/23	
Toluene	ND	0.0250	1	05/16/23	05/17/23	
o-Xylene	ND	0.0250	1	05/16/23	05/17/23	
p,m-Xylene	ND	0.0500	1	05/16/23	05/17/23	
Total Xylenes	ND	0.0250	1	05/16/23	05/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.8 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2320032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/23	05/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.9 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2320059	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/17/23	05/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/17/23	05/17/23	
<i>Surrogate: n-Nonane</i>	88.9 %	50-200		05/17/23	05/17/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2320038	
Chloride	1000	20.0	1	05/16/23	05/16/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Spur Puckett 13 Fed.27	Reported: 5/22/2023 7:20:23AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S1 - 3'

E305091-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2320032
Benzene	ND	0.0250	1	05/16/23	05/17/23	
Ethylbenzene	ND	0.0250	1	05/16/23	05/17/23	
Toluene	ND	0.0250	1	05/16/23	05/17/23	
o-Xylene	ND	0.0250	1	05/16/23	05/17/23	
p,m-Xylene	ND	0.0500	1	05/16/23	05/17/23	
Total Xylenes	ND	0.0250	1	05/16/23	05/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2320032
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/23	05/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.1 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2320059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/17/23	05/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/17/23	05/17/23	
<i>Surrogate: n-Nonane</i>						
	94.4 %	50-200		05/17/23	05/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2320038
Chloride	ND	20.0	1	05/16/23	05/16/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Spur Puckett 13 Fed.27	Reported: 5/22/2023 7:20:23AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S1 - 4'

E305091-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2320032
Benzene	ND	0.0250	1	05/16/23	05/17/23	
Ethylbenzene	ND	0.0250	1	05/16/23	05/17/23	
Toluene	ND	0.0250	1	05/16/23	05/17/23	
o-Xylene	ND	0.0250	1	05/16/23	05/17/23	
p,m-Xylene	ND	0.0500	1	05/16/23	05/17/23	
Total Xylenes	ND	0.0250	1	05/16/23	05/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.1 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2320032
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/23	05/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.8 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2320059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/17/23	05/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/17/23	05/17/23	
<i>Surrogate: n-Nonane</i>						
	95.7 %	50-200		05/17/23	05/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2320038
Chloride	ND	20.0	1	05/16/23	05/16/23	



Sample Data

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

Project Name: Spur Puckett 13 Fed.27
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/22/2023 7:20:23AM

S1 - 5'

E305091-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2320032
Benzene	ND	0.0250	1	05/16/23	05/17/23	
Ethylbenzene	ND	0.0250	1	05/16/23	05/17/23	
Toluene	ND	0.0250	1	05/16/23	05/17/23	
o-Xylene	ND	0.0250	1	05/16/23	05/17/23	
p,m-Xylene	ND	0.0500	1	05/16/23	05/17/23	
Total Xylenes	ND	0.0250	1	05/16/23	05/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2320032
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/23	05/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2320059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/17/23	05/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/17/23	05/17/23	
<i>Surrogate: n-Nonane</i>						
	98.0 %	50-200		05/17/23	05/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2320038
Chloride	ND	20.0	1	05/16/23	05/16/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Spur Puckett 13 Fed.27 Project Number: 21068-0001 Project Manager: Tom Bynum	Reported: 5/22/2023 7:20:23AM
---	--	----------------------------------

S2 - 1'

E305091-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2320032
Benzene	ND	0.0250	1	05/16/23	05/17/23	
Ethylbenzene	ND	0.0250	1	05/16/23	05/17/23	
Toluene	ND	0.0250	1	05/16/23	05/17/23	
o-Xylene	ND	0.0250	1	05/16/23	05/17/23	
p,m-Xylene	ND	0.0500	1	05/16/23	05/17/23	
Total Xylenes	ND	0.0250	1	05/16/23	05/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2320032
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/23	05/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.5 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2320059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/17/23	05/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/17/23	05/17/23	
<i>Surrogate: n-Nonane</i>						
	93.5 %	50-200		05/17/23	05/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2320038
Chloride	12800	400	20	05/16/23	05/16/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Spur Puckett 13 Fed.27 Project Number: 21068-0001 Project Manager: Tom Bynum	Reported: 5/22/2023 7:20:23AM
---	--	----------------------------------

S2 - 3'

E305091-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2320032
Benzene	ND	0.0250	1	05/16/23	05/17/23	
Ethylbenzene	ND	0.0250	1	05/16/23	05/17/23	
Toluene	ND	0.0250	1	05/16/23	05/17/23	
o-Xylene	ND	0.0250	1	05/16/23	05/17/23	
p,m-Xylene	ND	0.0500	1	05/16/23	05/17/23	
Total Xylenes	ND	0.0250	1	05/16/23	05/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2320032
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/23	05/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.0 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2320059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/17/23	05/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/17/23	05/17/23	
<i>Surrogate: n-Nonane</i>						
	93.0 %	50-200		05/17/23	05/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2320038
Chloride	1780	20.0	1	05/16/23	05/16/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Spur Puckett 13 Fed.27	Reported: 5/22/2023 7:20:23AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2 - 4'

E305091-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2320032	
Benzene	ND	0.0250	1	05/16/23	05/17/23	
Ethylbenzene	ND	0.0250	1	05/16/23	05/17/23	
Toluene	ND	0.0250	1	05/16/23	05/17/23	
o-Xylene	ND	0.0250	1	05/16/23	05/17/23	
p,m-Xylene	ND	0.0500	1	05/16/23	05/17/23	
Total Xylenes	ND	0.0250	1	05/16/23	05/17/23	
Surrogate: 4-Bromochlorobenzene-PID	98.8 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2320032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/23	05/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.3 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2320059	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/17/23	05/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/17/23	05/17/23	
Surrogate: n-Nonane	89.1 %	50-200		05/17/23	05/17/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2320038	
Chloride	505	20.0	1	05/16/23	05/16/23	



Sample Data

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

Project Name: Spur Puckett 13 Fed.27
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/22/2023 7:20:23AM

S2 - 5'

E305091-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2320032
Benzene	ND	0.0250	1	05/16/23	05/17/23	
Ethylbenzene	ND	0.0250	1	05/16/23	05/17/23	
Toluene	ND	0.0250	1	05/16/23	05/17/23	
o-Xylene	ND	0.0250	1	05/16/23	05/17/23	
p,m-Xylene	ND	0.0500	1	05/16/23	05/17/23	
Total Xylenes	ND	0.0250	1	05/16/23	05/17/23	
Surrogate: 4-Bromochlorobenzene-PID	98.1 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2320032
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/23	05/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.3 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2320059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/17/23	05/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/17/23	05/17/23	
Surrogate: n-Nonane	95.3 %	50-200		05/17/23	05/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2320038
Chloride	ND	20.0	1	05/16/23	05/16/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Spur Puckett 13 Fed.27	Reported: 5/22/2023 7:20:23AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S3 - 1'

E305091-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2320032	
Benzene	ND	0.0250	1	05/16/23	05/17/23	
Ethylbenzene	ND	0.0250	1	05/16/23	05/17/23	
Toluene	ND	0.0250	1	05/16/23	05/17/23	
o-Xylene	ND	0.0250	1	05/16/23	05/17/23	
p,m-Xylene	ND	0.0500	1	05/16/23	05/17/23	
Total Xylenes	ND	0.0250	1	05/16/23	05/17/23	
Surrogate: 4-Bromochlorobenzene-PID	99.7 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2320032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/23	05/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.9 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2320059	
Diesel Range Organics (C10-C28)	37.4	25.0	1	05/17/23	05/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/17/23	05/18/23	
Surrogate: n-Nonane	93.8 %	50-200		05/17/23	05/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2320038	
Chloride	8810	200	10	05/16/23	05/16/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Spur Puckett 13 Fed.27	Reported: 5/22/2023 7:20:23AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S3 - 3'

E305091-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2320032	
Benzene	ND	0.0250	1	05/16/23	05/17/23	
Ethylbenzene	0.0298	0.0250	1	05/16/23	05/17/23	
Toluene	ND	0.0250	1	05/16/23	05/17/23	
o-Xylene	0.0469	0.0250	1	05/16/23	05/17/23	
p,m-Xylene	0.0837	0.0500	1	05/16/23	05/17/23	
Total Xylenes	0.131	0.0250	1	05/16/23	05/17/23	
Surrogate: 4-Bromochlorobenzene-PID	99.0 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2320032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/23	05/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.4 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2320059	
Diesel Range Organics (C10-C28)	423	25.0	1	05/17/23	05/18/23	
Oil Range Organics (C28-C36)	229	50.0	1	05/17/23	05/18/23	
Surrogate: n-Nonane	99.2 %	50-200		05/17/23	05/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2320038	
Chloride	1220	20.0	1	05/16/23	05/16/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Spur Puckett 13 Fed.27	Reported: 5/22/2023 7:20:23AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S3 - 4'

E305091-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2320032	
Benzene	ND	0.0250	1	05/16/23	05/17/23	
Ethylbenzene	ND	0.0250	1	05/16/23	05/17/23	
Toluene	ND	0.0250	1	05/16/23	05/17/23	
o-Xylene	ND	0.0250	1	05/16/23	05/17/23	
p,m-Xylene	ND	0.0500	1	05/16/23	05/17/23	
Total Xylenes	ND	0.0250	1	05/16/23	05/17/23	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2320032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/23	05/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.7 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2320059	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/17/23	05/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/17/23	05/18/23	
Surrogate: n-Nonane	94.2 %	50-200		05/17/23	05/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2320038	
Chloride	74.1	20.0	1	05/16/23	05/17/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Spur Puckett 13 Fed.27	Reported: 5/22/2023 7:20:23AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW1

E305091-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2320032	
Benzene	ND	0.0250	1	05/16/23	05/17/23	
Ethylbenzene	ND	0.0250	1	05/16/23	05/17/23	
Toluene	ND	0.0250	1	05/16/23	05/17/23	
o-Xylene	ND	0.0250	1	05/16/23	05/17/23	
p,m-Xylene	ND	0.0500	1	05/16/23	05/17/23	
Total Xylenes	ND	0.0250	1	05/16/23	05/17/23	
Surrogate: 4-Bromochlorobenzene-PID	98.5 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2320032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/23	05/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.9 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2320059	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/17/23	05/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/17/23	05/18/23	
Surrogate: n-Nonane	97.0 %	50-200		05/17/23	05/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2320038	
Chloride	ND	20.0	1	05/16/23	05/17/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Spur Puckett 13 Fed.27	Reported: 5/22/2023 7:20:23AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW2

E305091-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2320032	
Benzene	ND	0.0250	1	05/16/23	05/17/23	
Ethylbenzene	ND	0.0250	1	05/16/23	05/17/23	
Toluene	ND	0.0250	1	05/16/23	05/17/23	
o-Xylene	ND	0.0250	1	05/16/23	05/17/23	
p,m-Xylene	ND	0.0500	1	05/16/23	05/17/23	
Total Xylenes	ND	0.0250	1	05/16/23	05/17/23	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2320032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/23	05/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.6 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2320059	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/17/23	05/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/17/23	05/18/23	
Surrogate: n-Nonane	95.6 %	50-200		05/17/23	05/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2320038	
Chloride	ND	20.0	1	05/16/23	05/17/23	



Sample Data

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

Project Name: Spur Puckett 13 Fed.27
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/22/2023 7:20:23AM

SW3

E305091-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2320032	
Benzene	ND	0.0250	1	05/16/23	05/18/23	
Ethylbenzene	ND	0.0250	1	05/16/23	05/18/23	
Toluene	ND	0.0250	1	05/16/23	05/18/23	
o-Xylene	ND	0.0250	1	05/16/23	05/18/23	
p,m-Xylene	ND	0.0500	1	05/16/23	05/18/23	
Total Xylenes	ND	0.0250	1	05/16/23	05/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.1 %	70-130		05/16/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2320032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/23	05/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.9 %	70-130		05/16/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2320059	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/17/23	05/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/17/23	05/18/23	
<i>Surrogate: n-Nonane</i>	96.0 %	50-200		05/17/23	05/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2320038	
Chloride	ND	20.0	1	05/16/23	05/17/23	



Sample Data

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

Project Name: Spur Puckett 13 Fed.27
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/22/2023 7:20:23AM

SW4

E305091-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2320032
Benzene	ND	0.0250	1	05/16/23	05/18/23	
Ethylbenzene	ND	0.0250	1	05/16/23	05/18/23	
Toluene	ND	0.0250	1	05/16/23	05/18/23	
o-Xylene	ND	0.0250	1	05/16/23	05/18/23	
p,m-Xylene	ND	0.0500	1	05/16/23	05/18/23	
Total Xylenes	ND	0.0250	1	05/16/23	05/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	05/16/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2320032
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/23	05/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.5 %	70-130	05/16/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2320059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/17/23	05/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/17/23	05/18/23	
<i>Surrogate: n-Nonane</i>						
		97.0 %	50-200	05/17/23	05/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2320038
Chloride	ND	20.0	1	05/16/23	05/17/23	



Sample Data

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

Project Name: Spur Puckett 13 Fed.27
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/22/2023 7:20:23AM

S3 - 5'

E305091-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2320032
Benzene	ND	0.0250	1	05/16/23	05/18/23	
Ethylbenzene	ND	0.0250	1	05/16/23	05/18/23	
Toluene	ND	0.0250	1	05/16/23	05/18/23	
o-Xylene	ND	0.0250	1	05/16/23	05/18/23	
p,m-Xylene	ND	0.0500	1	05/16/23	05/18/23	
Total Xylenes	ND	0.0250	1	05/16/23	05/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	05/16/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2320032
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/23	05/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.9 %	70-130	05/16/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2320059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/17/23	05/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/17/23	05/18/23	
<i>Surrogate: n-Nonane</i>						
		95.7 %	50-200	05/17/23	05/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2320038
Chloride	ND	20.0	1	05/16/23	05/17/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Spur Puckett 13 Fed.27 Project Number: 21068-0001 Project Manager: Tom Bynum	Reported: 5/22/2023 7:20:23AM
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BG1

E305091-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2320032
Benzene	ND	0.0250	1	05/16/23	05/18/23	
Ethylbenzene	ND	0.0250	1	05/16/23	05/18/23	
Toluene	ND	0.0250	1	05/16/23	05/18/23	
o-Xylene	ND	0.0250	1	05/16/23	05/18/23	
p,m-Xylene	ND	0.0500	1	05/16/23	05/18/23	
Total Xylenes	ND	0.0250	1	05/16/23	05/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	05/16/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2320032
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/23	05/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.0 %	70-130	05/16/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2320059
Diesel Range Organics (C10-C28)	ND	25.0	1	05/17/23	05/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/17/23	05/18/23	
<i>Surrogate: n-Nonane</i>						
		95.9 %	50-200	05/17/23	05/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2320038
Chloride	ND	20.0	1	05/16/23	05/17/23	



Sample Data

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

Project Name: Spur Puckett 13 Fed.27
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/22/2023 7:20:23AM

BG2

E305091-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2320032	
Benzene	ND	0.0250	1	05/16/23	05/17/23	
Ethylbenzene	ND	0.0250	1	05/16/23	05/17/23	
Toluene	ND	0.0250	1	05/16/23	05/17/23	
o-Xylene	ND	0.0250	1	05/16/23	05/17/23	
p,m-Xylene	ND	0.0500	1	05/16/23	05/17/23	
Total Xylenes	ND	0.0250	1	05/16/23	05/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.5 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2320032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/23	05/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.4 %	70-130		05/16/23	05/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2320059	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/17/23	05/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/17/23	05/18/23	
<i>Surrogate: n-Nonane</i>	96.7 %	50-200		05/17/23	05/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2320038	
Chloride	26.4	20.0	1	05/16/23	05/17/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Spur Puckett 13 Fed.27	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/22/2023 7:20:23AM

Volatile Organics by EPA 8021B

Analyst: RKS

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 (2320032-BLK1) Prepared: 05/16/23 Analyzed: 05/17/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			

LCS (2320032-BS1) Prepared: 05/16/23 Analyzed: 05/17/23

Benzene	4.26	0.0250	5.00		85.2	70-130			
Ethylbenzene	4.61	0.0250	5.00		92.2	70-130			
Toluene	4.64	0.0250	5.00		92.8	70-130			
o-Xylene	4.75	0.0250	5.00		95.1	70-130			
p,m-Xylene	9.40	0.0500	10.0		94.0	70-130			
Total Xylenes	14.2	0.0250	15.0		94.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.7	70-130			

Matrix Spike (2320032-MS1) Source: E305091-18 Prepared: 05/16/23 Analyzed: 05/17/23

Benzene	4.44	0.0250	5.00	ND	88.8	54-133			
Ethylbenzene	4.81	0.0250	5.00	ND	96.2	61-133			
Toluene	4.82	0.0250	5.00	ND	96.5	61-130			
o-Xylene	4.94	0.0250	5.00	ND	98.8	63-131			
p,m-Xylene	9.80	0.0500	10.0	ND	98.0	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	98.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	70-130			

Matrix Spike Dup (2320032-MSD1) Source: E305091-18 Prepared: 05/16/23 Analyzed: 05/17/23

Benzene	4.14	0.0250	5.00	ND	82.8	54-133	6.96	20	
Ethylbenzene	4.51	0.0250	5.00	ND	90.2	61-133	6.48	20	
Toluene	4.52	0.0250	5.00	ND	90.3	61-130	6.60	20	
o-Xylene	4.64	0.0250	5.00	ND	92.8	63-131	6.27	20	
p,m-Xylene	9.16	0.0500	10.0	ND	91.6	63-131	6.76	20	
Total Xylenes	13.8	0.0250	15.0	ND	92.0	63-131	6.59	20	
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00		98.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Spur Puckett 13 Fed.27	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/22/2023 7:20:23AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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 (2320032-BLK1) Prepared: 05/16/23 Analyzed: 05/17/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.3	70-130			

LCS (2320032-BS2) Prepared: 05/16/23 Analyzed: 05/17/23

Gasoline Range Organics (C6-C10)	52.0	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			

Matrix Spike (2320032-MS2) Source: E305091-18 Prepared: 05/16/23 Analyzed: 05/17/23

Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			

Matrix Spike Dup (2320032-MSD2) Source: E305091-18 Prepared: 05/16/23 Analyzed: 05/17/23

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.7	70-130	2.47	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Spur Puckett 13 Fed.27	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/22/2023 7:20:23AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2320059-BLK1) Prepared: 05/17/23 Analyzed: 05/17/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.2		50.0		98.3	50-200			

LCS (2320059-BS1) Prepared: 05/17/23 Analyzed: 05/17/23

Diesel Range Organics (C10-C28)	251	25.0	250		100	38-132			
Surrogate: n-Nonane	46.5		50.0		93.0	50-200			

Matrix Spike (2320059-MS1) Source: E305091-04 Prepared: 05/17/23 Analyzed: 05/17/23

Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.5	38-132			
Surrogate: n-Nonane	47.6		50.0		95.2	50-200			

Matrix Spike Dup (2320059-MSD1) Source: E305091-04 Prepared: 05/17/23 Analyzed: 05/17/23

Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	38-132	0.966	20	
Surrogate: n-Nonane	46.2		50.0		92.4	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Spur Puckett 13 Fed.27	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/22/2023 7:20:23AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2320038-BLK1)					Prepared: 05/16/23 Analyzed: 05/16/23				
Chloride	ND	20.0							
LCS (2320038-BS1)					Prepared: 05/16/23 Analyzed: 05/16/23				
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2320038-MS1)					Source: E305091-01		Prepared: 05/16/23 Analyzed: 05/16/23		
Chloride	1280	20.0	250	1000	111	80-120			
Matrix Spike Dup (2320038-MSD1)					Source: E305091-01		Prepared: 05/16/23 Analyzed: 05/16/23		
Chloride	1350	20.0	250	1000	142	80-120	5.92	20	M2

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:	Spur Puckett 13 Fed.27	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/22/23 07:20

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Client: Pima Environmental Services Project: <u>Spur Tuckett 13 Feb. 27</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u>										Bill To Attention: <u>Spur</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>6-72</u>									
Report due by:										Lab Use Only Lab WO# <u>E305091</u> Job Number <u>21048-001</u> Analysis and Method									
Time Sampled										Date Sampled									
Sample ID										No. of Containers									
Matrix										Lab Number									
8:00										5/11/23									
8:05										5/11/23									
8:10										5/11/23									
8:15										5/11/23									
8:20										5/11/23									
8:25										5/11/23									
8:30										5/11/23									
8:35										5/11/23									
8:40										5/11/23									
8:45										5/11/23									
Additional Instructions: <u>Bill to Spur, if not Pima</u>										B# 7010-7410 13157									
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Sampled by: <u>P.F.</u>									
Relinquished by: (Signature) <u>Kaylene Abame</u>										Received by: (Signature) <u>Michelle Gonzalez</u>									
Relinquished by: (Signature) <u>Michelle Gonzalez</u>										Received by: (Signature) <u>Michelle Gonzalez</u>									
Relinquished by: (Signature) <u>Michelle Gonzalez</u>										Received by: (Signature) <u>Michelle Gonzalez</u>									
Sample Matrix: <u>S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other</u>										Container Type: <u>g - glass, p - poly/plastic, ag - amber glass, v - VOA</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.																			

Chain of Custody

Project Information

Client: Pima Environmental Services				Bill To		Lab Use Only				TAT			EPA Program						
Project: <u>Spot Rocklet - 13 Feb. 27</u>				Attention:		Lab WO#	Job Number	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:		State													
Phone: 580-748-1613				Email:		NM CO UT AZ TX													
Email: tom@pimaoil.com				Pima Project # 6-72		Remarks													
Report due by:				Sample ID		No. of Containers	Matrix	Date Sampled	Time	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	
8:50	5/11/23	5	SW3-4	1	SW3	11													
8:55			SW1			12													
9:00			SW2			13													
9:05			SW3			14													
9:10			SW4			15													
9:15			SW5			16													
9:20			BG1			17													
9:25			BG2			18													

Additional Instructions: B# 7010-7410 13157

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

Sampled by: AF

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>Karime Adame</u>	5-15-23	1715	<u>Michelle Gaudin</u>	5-15-23	1400
<u>Michelle Gaudin</u>	5-15-23	1715	<u>Andrew MSA</u>	5-15-23	1730
<u>Andrew MSA</u>	5-15-23	2330	<u>Caitlin Manz</u>	5/16/23	8:30

Lab Use Only

Received on ice: Y/N

T1 T2 T3

AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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



Envirotech Analytical Laboratory

Printed: 5/17/2023 1:13:46PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	05/16/23 08:30	Work Order ID:	E305091
Phone:	(575) 631-6977	Date Logged In:	05/15/23 16:43	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	05/22/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Puckett Fed. Com. 27H

Work Order: E402006

Job Number: 21068-0001

Received: 2/1/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/8/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/8/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Puckett Fed. Com. 27H
Workorder: E402006
Date Received: 2/1/2024 8:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/1/2024 8:00:00AM, under the Project Name: Puckett Fed. Com. 27H.

The analytical test results summarized in this report with the Project Name: Puckett Fed. Com. 27H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Golzaes
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported: 02/08/24 13:25
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E402006-01A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
S1 - 4'	E402006-02A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
S1 - 6'	E402006-03A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
S2 - 1'	E402006-04A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
S2 - 4'	E402006-05A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
S2 - 5'	E402006-06A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
S3 - 1'	E402006-07A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
S3 - 4'	E402006-08A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
S3 - 5'	E402006-09A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
S4 - 1'	E402006-10A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
S4 - 4'	E402006-11A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
S4 - 5'	E402006-12A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
S5 - Surface	E402006-13A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
S5 - 1'	E402006-14A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
S5 - 2'	E402006-15A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
SW1 - 6"	E402006-16A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
SW1 - 1'	E402006-17A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
SW2 - 6"	E402006-18A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
SW2 - 1'	E402006-19A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
SW3 - 6"	E402006-20A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
SW3 - 1'	E402006-21A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
SW4 - 6"	E402006-22A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.
SW4 - 1'	E402006-23A	Soil	01/29/24	02/01/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Puckett Fed. Com. 27H Project Number: 21068-0001 Project Manager: Tom Bynum	Reported: 2/8/2024 1:25:59PM
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S1 - 1'

E402006-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Benzene	ND	0.0250	1	02/02/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/07/24	
Toluene	ND	0.0250	1	02/02/24	02/07/24	
o-Xylene	ND	0.0250	1	02/02/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.9 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.1 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2406034	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/06/24	
<i>Surrogate: n-Nonane</i>	96.0 %	50-200		02/06/24	02/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2406018	
Chloride	1620	20.0	1	02/05/24	02/06/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Puckett Fed. Com. 27H Project Number: 21068-0001 Project Manager: Tom Bynum	Reported: 2/8/2024 1:25:59PM
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S1 - 4'

E402006-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Benzene	ND	0.0250	1	02/02/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/07/24	
Toluene	ND	0.0250	1	02/02/24	02/07/24	
o-Xylene	ND	0.0250	1	02/02/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/07/24	
Surrogate: 4-Bromochlorobenzene-PID	93.7 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.3 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2406034	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/06/24	
Surrogate: n-Nonane	95.8 %	50-200		02/06/24	02/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2406018	
Chloride	3590	40.0	2	02/05/24	02/06/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Puckett Fed. Com. 27H Project Number: 21068-0001 Project Manager: Tom Bynum	Reported: 2/8/2024 1:25:59PM
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S1 - 6'

E402006-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Benzene	ND	0.0250	1	02/02/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/07/24	
Toluene	ND	0.0250	1	02/02/24	02/07/24	
o-Xylene	ND	0.0250	1	02/02/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/07/24	
Surrogate: 4-Bromochlorobenzene-PID	94.4 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.5 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2406034	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/06/24	
Surrogate: n-Nonane	101 %	50-200		02/06/24	02/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2406018	
Chloride	ND	20.0	1	02/05/24	02/06/24	



Sample Data

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

Project Name: Puckett Fed. Com. 27H
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
2/8/2024 1:25:59PM

S2 - 1'

E402006-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405148
Benzene	ND	0.0250	1	02/02/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/07/24	
Toluene	ND	0.0250	1	02/02/24	02/07/24	
o-Xylene	ND	0.0250	1	02/02/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.2 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405148
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2406034
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/06/24	
<i>Surrogate: n-Nonane</i>						
	99.7 %	50-200		02/06/24	02/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2406018
Chloride	1560	20.0	1	02/05/24	02/06/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported: 2/8/2024 1:25:59PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2 - 4'

E402006-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Benzene	ND	0.0250	1	02/02/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/07/24	
Toluene	ND	0.0250	1	02/02/24	02/07/24	
o-Xylene	ND	0.0250	1	02/02/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/07/24	
Surrogate: 4-Bromochlorobenzene-PID	93.2 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.7 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2406034	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/06/24	
Surrogate: n-Nonane	85.9 %	50-200		02/06/24	02/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2406018	
Chloride	342	20.0	1	02/05/24	02/06/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported: 2/8/2024 1:25:59PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2 - 5'

E402006-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Benzene	ND	0.0250	1	02/02/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/07/24	
Toluene	ND	0.0250	1	02/02/24	02/07/24	
o-Xylene	ND	0.0250	1	02/02/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.1 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406034	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/06/24	
<i>Surrogate: n-Nonane</i>						
	95.7 %	50-200		02/06/24	02/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2406018	
Chloride	ND	20.0	1	02/05/24	02/06/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Puckett Fed. Com. 27H Project Number: 21068-0001 Project Manager: Tom Bynum	Reported: 2/8/2024 1:25:59PM
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S3 - 1'

E402006-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405148
Benzene	ND	0.0250	1	02/02/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/07/24	
Toluene	ND	0.0250	1	02/02/24	02/07/24	
o-Xylene	ND	0.0250	1	02/02/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405148
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.6 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2406034
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/06/24	
<i>Surrogate: n-Nonane</i>						
	90.9 %	50-200		02/06/24	02/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2406018
Chloride	3110	40.0	2	02/05/24	02/06/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported: 2/8/2024 1:25:59PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S3 - 4'

E402006-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Benzene	ND	0.0250	1	02/02/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/07/24	
Toluene	ND	0.0250	1	02/02/24	02/07/24	
o-Xylene	ND	0.0250	1	02/02/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/07/24	
Surrogate: 4-Bromochlorobenzene-PID	93.8 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.4 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2406034	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/06/24	
Surrogate: n-Nonane	85.2 %	50-200		02/06/24	02/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2406018	
Chloride	275	20.0	1	02/05/24	02/06/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported: 2/8/2024 1:25:59PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S3 - 5'

E402006-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Benzene	ND	0.0250	1	02/02/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/07/24	
Toluene	ND	0.0250	1	02/02/24	02/07/24	
o-Xylene	ND	0.0250	1	02/02/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/07/24	
Surrogate: 4-Bromochlorobenzene-PID	94.5 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.3 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2406034	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/06/24	
Surrogate: n-Nonane	96.5 %	50-200		02/06/24	02/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2406018	
Chloride	ND	20.0	1	02/05/24	02/06/24	



Sample Data

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

Project Name: Puckett Fed. Com. 27H
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
2/8/2024 1:25:59PM

S4 - 1'

E402006-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405148
Benzene	ND	0.0250	1	02/02/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/07/24	
Toluene	ND	0.0250	1	02/02/24	02/07/24	
o-Xylene	ND	0.0250	1	02/02/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405148
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.4 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2406034
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
<i>Surrogate: n-Nonane</i>						
	87.9 %	50-200		02/06/24	02/07/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2406018
Chloride	2440	40.0	2	02/05/24	02/06/24	



Sample Data

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

Project Name: Puckett Fed. Com. 27H
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
2/8/2024 1:25:59PM

S4 - 4'

E402006-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405148
Benzene	ND	0.0250	1	02/02/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/07/24	
Toluene	ND	0.0250	1	02/02/24	02/07/24	
o-Xylene	ND	0.0250	1	02/02/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.0 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405148
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2406034
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
<i>Surrogate: n-Nonane</i>						
	86.5 %	50-200		02/06/24	02/07/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2406018
Chloride	723	20.0	1	02/05/24	02/06/24	



Sample Data

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

Project Name: Puckett Fed. Com. 27H
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
2/8/2024 1:25:59PM

S4 - 5'

E402006-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405148
Benzene	ND	0.0250	1	02/02/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/07/24	
Toluene	ND	0.0250	1	02/02/24	02/07/24	
o-Xylene	ND	0.0250	1	02/02/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405148
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.4 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2406034
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		02/06/24	02/07/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2406018
Chloride	ND	20.0	1	02/05/24	02/06/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported: 2/8/2024 1:25:59PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S5 - Surface
E402006-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Benzene	ND	0.0250	1	02/02/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/07/24	
Toluene	ND	0.0250	1	02/02/24	02/07/24	
o-Xylene	ND	0.0250	1	02/02/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/07/24	
Surrogate: 4-Bromochlorobenzene-PID	94.9 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.1 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2406034	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
Surrogate: n-Nonane	89.0 %	50-200		02/06/24	02/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2406018	
Chloride	648	20.0	1	02/05/24	02/06/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Puckett Fed. Com. 27H Project Number: 21068-0001 Project Manager: Tom Bynum	Reported: 2/8/2024 1:25:59PM
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S5 - 1'

E402006-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405148
Benzene	ND	0.0250	1	02/02/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/07/24	
Toluene	ND	0.0250	1	02/02/24	02/07/24	
o-Xylene	ND	0.0250	1	02/02/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405148
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.2 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2406034
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
<i>Surrogate: n-Nonane</i>						
	88.1 %	50-200		02/06/24	02/07/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2406018
Chloride	ND	20.0	1	02/05/24	02/06/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Puckett Fed. Com. 27H Project Number: 21068-0001 Project Manager: Tom Bynum	Reported: 2/8/2024 1:25:59PM
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S5 - 2'

E402006-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405148
Benzene	ND	0.0250	1	02/02/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/07/24	
Toluene	ND	0.0250	1	02/02/24	02/07/24	
o-Xylene	ND	0.0250	1	02/02/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.2 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405148
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.4 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2406034
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		02/06/24	02/07/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2406018
Chloride	ND	20.0	1	02/05/24	02/06/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Puckett Fed. Com. 27H Project Number: 21068-0001 Project Manager: Tom Bynum	Reported: 2/8/2024 1:25:59PM
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SW1 - 6"

E402006-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405148
Benzene	ND	0.0250	1	02/02/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/07/24	
Toluene	ND	0.0250	1	02/02/24	02/07/24	
o-Xylene	ND	0.0250	1	02/02/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.1 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405148
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.8 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2406034
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
<i>Surrogate: n-Nonane</i>						
	98.1 %	50-200		02/06/24	02/07/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2406018
Chloride	ND	20.0	1	02/05/24	02/06/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported: 2/8/2024 1:25:59PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW1 - 1'

E402006-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Benzene	ND	0.0250	1	02/02/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/07/24	
Toluene	ND	0.0250	1	02/02/24	02/07/24	
o-Xylene	ND	0.0250	1	02/02/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2406034	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		02/06/24	02/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2406018	
Chloride	ND	20.0	1	02/05/24	02/06/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported: 2/8/2024 1:25:59PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW2 - 6"

E402006-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405148
Benzene	ND	0.0250	1	02/02/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/07/24	
Toluene	ND	0.0250	1	02/02/24	02/07/24	
o-Xylene	ND	0.0250	1	02/02/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.3 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405148
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2406034
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		02/06/24	02/07/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2406018
Chloride	ND	20.0	1	02/05/24	02/06/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported: 2/8/2024 1:25:59PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW2 - 1'

E402006-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Benzene	ND	0.0250	1	02/02/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/07/24	
Toluene	ND	0.0250	1	02/02/24	02/07/24	
o-Xylene	ND	0.0250	1	02/02/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/07/24	
Surrogate: 4-Bromochlorobenzene-PID	96.3 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.0 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2406034	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
Surrogate: n-Nonane	103 %	50-200		02/06/24	02/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2406018	
Chloride	ND	20.0	1	02/05/24	02/07/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported: 2/8/2024 1:25:59PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW3 - 6"

E402006-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Benzene	ND	0.0250	1	02/02/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/07/24	
Toluene	ND	0.0250	1	02/02/24	02/07/24	
o-Xylene	ND	0.0250	1	02/02/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/07/24	
Surrogate: 4-Bromochlorobenzene-PID	96.5 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2405148	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.0 %	70-130		02/02/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2406034	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
Surrogate: n-Nonane	99.0 %	50-200		02/06/24	02/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2406018	
Chloride	ND	20.0	1	02/05/24	02/07/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported: 2/8/2024 1:25:59PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW3 - 1'

E402006-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2405149	
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID	94.3 %	70-130		02/02/24	02/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2405149	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.3 %	70-130		02/02/24	02/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2406038	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/06/24	
Surrogate: n-Nonane	88.4 %	50-200		02/06/24	02/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2406003	
Chloride	ND	20.0	1	02/04/24	02/05/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported: 2/8/2024 1:25:59PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW4 - 6"

E402006-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2405149	
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: 4-Bromochlorobenzene-PID	93.5 %	70-130		02/02/24	02/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2405149	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.4 %	70-130		02/02/24	02/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2406038	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/06/24	
Surrogate: n-Nonane	91.0 %	50-200		02/06/24	02/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2406003	
Chloride	ND	20.0	1	02/04/24	02/05/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported: 2/8/2024 1:25:59PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW4 - 1'

E402006-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405149	
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		02/02/24	02/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405149	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	70-130		02/02/24	02/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406038	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/07/24	
<i>Surrogate: n-Nonane</i>						
	91.8 %	50-200		02/06/24	02/07/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2406003	
Chloride	ND	20.0	1	02/04/24	02/05/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported: 2/8/2024 1:25:59PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organics by EPA 8021B

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 (2405148-BLK1)

Prepared: 02/02/24 Analyzed: 02/07/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.6	70-130			

LCS (2405148-BS1)

Prepared: 02/02/24 Analyzed: 02/07/24

Benzene	4.58	0.0250	5.00		91.6	70-130			
Ethylbenzene	4.54	0.0250	5.00		90.9	70-130			
Toluene	4.55	0.0250	5.00		91.1	70-130			
o-Xylene	4.51	0.0250	5.00		90.3	70-130			
p,m-Xylene	9.14	0.0500	10.0		91.4	70-130			
Total Xylenes	13.7	0.0250	15.0		91.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130			

Matrix Spike (2405148-MS1)

Source: E402006-03

Prepared: 02/02/24 Analyzed: 02/07/24

Benzene	4.45	0.0250	5.00	ND	89.1	54-133			
Ethylbenzene	4.43	0.0250	5.00	ND	88.5	61-133			
Toluene	4.44	0.0250	5.00	ND	88.7	61-130			
o-Xylene	4.39	0.0250	5.00	ND	87.8	63-131			
p,m-Xylene	8.93	0.0500	10.0	ND	89.3	63-131			
Total Xylenes	13.3	0.0250	15.0	ND	88.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130			

Matrix Spike Dup (2405148-MSD1)

Source: E402006-03

Prepared: 02/02/24 Analyzed: 02/07/24

Benzene	4.70	0.0250	5.00	ND	94.1	54-133	5.45	20	
Ethylbenzene	4.69	0.0250	5.00	ND	93.8	61-133	5.79	20	
Toluene	4.70	0.0250	5.00	ND	94.0	61-130	5.72	20	
o-Xylene	4.65	0.0250	5.00	ND	93.0	63-131	5.84	20	
p,m-Xylene	9.44	0.0500	10.0	ND	94.4	63-131	5.56	20	
Total Xylenes	14.1	0.0250	15.0	ND	94.0	63-131	5.65	20	
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported: 2/8/2024 1:25:59PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organics by EPA 8021B

Analyst: EG

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 (2405149-BLK1) Prepared: 02/02/24 Analyzed: 02/04/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1	70-130			

LCS (2405149-BS1) Prepared: 02/02/24 Analyzed: 02/04/24

Benzene	4.96	0.0250	5.00		99.2	70-130			
Ethylbenzene	4.94	0.0250	5.00		98.8	70-130			
Toluene	4.94	0.0250	5.00		98.7	70-130			
o-Xylene	4.89	0.0250	5.00		97.8	70-130			
p,m-Xylene	9.95	0.0500	10.0		99.5	70-130			
Total Xylenes	14.8	0.0250	15.0		98.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			

Matrix Spike (2405149-MS1) Source: E402003-03 Prepared: 02/02/24 Analyzed: 02/04/24

Benzene	4.95	0.0250	5.00	ND	98.9	54-133			
Ethylbenzene	4.91	0.0250	5.00	ND	98.1	61-133			
Toluene	4.91	0.0250	5.00	ND	98.2	61-130			
o-Xylene	4.86	0.0250	5.00	ND	97.3	63-131			
p,m-Xylene	9.89	0.0500	10.0	ND	98.9	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			

Matrix Spike Dup (2405149-MSD1) Source: E402003-03 Prepared: 02/02/24 Analyzed: 02/04/24

Benzene	4.83	0.0250	5.00	ND	96.7	54-133	2.30	20	
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	61-133	2.14	20	
Toluene	4.81	0.0250	5.00	ND	96.2	61-130	2.10	20	
o-Xylene	4.76	0.0250	5.00	ND	95.1	63-131	2.26	20	
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	63-131	2.20	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.2	63-131	2.22	20	
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2024 1:25:59PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2405148-BLK1) Prepared: 02/02/24 Analyzed: 02/07/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.2	70-130			

LCS (2405148-BS2) Prepared: 02/02/24 Analyzed: 02/07/24

Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			

Matrix Spike (2405148-MS2) Source: E402006-03 Prepared: 02/02/24 Analyzed: 02/07/24

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	94.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			

Matrix Spike Dup (2405148-MSD2) Source: E402006-03 Prepared: 02/02/24 Analyzed: 02/07/24

Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.2	70-130	0.225	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported: 2/8/2024 1:25:59PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

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 (2405149-BLK1) Prepared: 02/02/24 Analyzed: 02/04/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.2	70-130			

LCS (2405149-BS2) Prepared: 02/02/24 Analyzed: 02/04/24

Gasoline Range Organics (C6-C10)	49.0	20.0	50.0		98.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			

Matrix Spike (2405149-MS2) Source: E402003-03 Prepared: 02/02/24 Analyzed: 02/04/24

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.7	70-130			

Matrix Spike Dup (2405149-MSD2) Source: E402003-03 Prepared: 02/02/24 Analyzed: 02/04/24

Gasoline Range Organics (C6-C10)	49.0	20.0	50.0	ND	98.0	70-130	1.38	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported: 2/8/2024 1:25:59PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2406034-BLK1)					Prepared: 02/06/24 Analyzed: 02/06/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	60.6		50.0		121	50-200			

LCS (2406034-BS1)					Prepared: 02/06/24 Analyzed: 02/06/24				
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	59.4		50.0		119	50-200			

Matrix Spike (2406034-MS1)				Source: E402006-06		Prepared: 02/06/24 Analyzed: 02/06/24			
Diesel Range Organics (C10-C28)	259	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	60.0		50.0		120	50-200			

Matrix Spike Dup (2406034-MSD1)				Source: E402006-06		Prepared: 02/06/24 Analyzed: 02/06/24			
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132	0.214	20	
Surrogate: n-Nonane	57.5		50.0		115	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported: 2/8/2024 1:25:59PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2406038-BLK1)					Prepared: 02/06/24 Analyzed: 02/06/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.7		50.0		89.3	50-200			

LCS (2406038-BS1)					Prepared: 02/06/24 Analyzed: 02/06/24				
Diesel Range Organics (C10-C28)	251	25.0	250		100	38-132			
Surrogate: n-Nonane	44.2		50.0		88.4	50-200			

Matrix Spike (2406038-MS1)					Source: E402004-02		Prepared: 02/06/24 Analyzed: 02/06/24		
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.5	38-132			
Surrogate: n-Nonane	48.7		50.0		97.5	50-200			

Matrix Spike Dup (2406038-MSD1)					Source: E402004-02		Prepared: 02/06/24 Analyzed: 02/06/24		
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.4	38-132	1.17	20	
Surrogate: n-Nonane	47.8		50.0		95.5	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2024 1:25:59PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2406003-BLK1)					Prepared: 02/04/24 Analyzed: 02/04/24				
Chloride	ND	20.0							
LCS (2406003-BS1)					Prepared: 02/04/24 Analyzed: 02/04/24				
Chloride	247	20.0	250		98.7	90-110			
LCS Dup (2406003-BSD1)					Prepared: 02/04/24 Analyzed: 02/04/24				
Chloride	247	20.0	250		98.6	90-110	0.0543	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Puckett Fed. Com. 27H	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2024 1:25:59PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2406018-BLK1)					Prepared: 02/05/24 Analyzed: 02/06/24				
Chloride	ND	20.0							
LCS (2406018-BS1)					Prepared: 02/05/24 Analyzed: 02/06/24				
Chloride	253	20.0	250		101	90-110			
LCS Dup (2406018-BSD1)					Prepared: 02/05/24 Analyzed: 02/06/24				
Chloride	260	20.0	250		104	90-110	2.74	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:	Puckett Fed. Com. 27H	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/08/24 13:25

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program				
Project: Puckett Fed. Com. 27-H					Attention: Spur		Lab WO# E402006		Job Number 21068-000		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Tom Bynum					Address:									X					
Address: 5614 N. Lovington Hwy.					City, State, Zip						Analysis and Method						RCRA		
City, State, Zip Hobbs, NM. 88240					Phone:										State				
Phone: 580-748-1613					Email:										NM	CO	UT	AZ	TX
Email: tom@pimaoil.com					Pima Project # 6-237										X				
Report due by:															Remarks				
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				
7:05	1/29	S		S1-1'	1									X					
7:16				S1-4'	2														
7:26				S1-6'	3														
7:31				S2-1'	4														
7:48				S2-4'	5														
7:56				S2-5'	6														
8:10				S3-1'	7														
8:19				S3-4'	8														
8:21				S3-5'	9														
8:29				S4-1'	10														
Additional Instructions: Billing # to Spur																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by:																			
Relinquished by: (Signature) Karime Adame			Date 1/31		Time		Received by: (Signature) [Signature]			Date 1-31-24		Time 1430		Lab Use Only Received on ice: Y / N					
Relinquished by: (Signature) [Signature]			Date 1-31-24		Time 1605		Received by: (Signature) [Signature]			Date 1-31-24		Time 1846		T1 T2 T3					
Relinquished by: (Signature) [Signature]			Date 2-1-24		Time 0225		Received by: (Signature) [Signature]			Date 02-01-24		Time 0800		AVG Temp °C 4					
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 3

Client: Pima Environmental Services Project: Puckett Fed. Com. ZFH Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: Spur Address: City, State, Zip: Phone: Email: Pima Project # 6-237					Lab Use Only Lab WO# E402006 Job Number 21068-0001					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA	
					Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					State NM CO UT AZ TX X				Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															
8:36	1/29	S		S4-4'	11									X						
8:42				S4-5'	12															
8:59				S5-Surface	13															
9:13				S5-1'	14															
9:18				S5-2'	15															
9:26				SW1-6"	16															
9:35				SW1-1'	17															
9:41				SW2-6"	18															
9:56				SW2-1'	19															
10:11				SW3-6"	20															
Additional Instructions: Billing to Spur																				
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 Received on ice: Y / N								
Karine A. Hame		1/31/24				[Signature]		1-31-24		1430										
[Signature]		1-31-24		1605		[Signature]		1-31-24		1840		T1 T2 T3								
[Signature]		2-1-24		0225		[Signature]		020124		0800		AVG Temp °C 4								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				


envirotech



Envirotech Analytical Laboratory

Printed: 2/2/2024 3:38:31PM

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:	02/01/24 08:00	Work Order ID:	E402006
Phone:	(575) 631-6977	Date Logged In:	02/01/24 09:20	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	02/07/24 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: CourierComments/Resolution

Number of containers not provided on 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?	No
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.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 316380

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 316380
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2313135384
Incident Name	NAPP2313135384 PUCKETT 13 FED COM #027H @ 30-015-43872
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-43872] PUCKETT 13 FEDERAL COM #027H

Location of Release Source*Please answer all the questions in this group.*

Site Name	PUCKETT 13 FED COM #027H
Date Release Discovered	05/07/2023
Surface Owner	Federal

Incident Details*Please answer all the questions in this group.*

Incident Type	Release Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Cause: Other Well Crude Oil Released: 3 BBL Recovered: 2 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Other Well Produced Water Released: 3 BBL Recovered: 3 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	STUFFING BOX PACKING WAS BLOWN OUT RELEASING AN OIL AND PRODUCED WATER MIX ONTO THE PAD

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QUESTIONS, Page 2

Action 316380

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 316380
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	N/A

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 02/21/2024
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QUESTIONS, Page 3

Action 316380

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 316380
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	3590
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	06/05/2023
On what date will (or did) the final sampling or liner inspection occur	01/30/2024
On what date will (or was) the remediation complete(d)	01/30/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1000
What is the estimated volume (in cubic yards) that will be remediated	12

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 316380

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:
	328947
	Action Number:
	316380
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 02/21/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Action 316380

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 316380
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 316380

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 316380
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	308150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/30/2024
What was the (estimated) number of samples that were to be gathered	27
What was the sampling surface area in square feet	1025

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1000
What was the total volume (cubic yards) remediated	12
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	N/A

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 02/21/2024
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QUESTIONS, Page 7

Action 316380

QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 316380

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 316380
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2313135384 PUCKETT 13 FED COM #027H, thank you. This Remediation Closure Report is approved.	2/26/2025