



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

March 20<sup>th</sup>, 2022

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

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

**Re: Site Assessment, Remediation and Closure Report**  
**Shelby 23 #006H Battery**  
**API No. 30-015-41784**  
**GPS: Latitude 32.6367288 Longitude -104.4490816**  
**UL "A", Sec. 26, T19S, R25E**  
**Eddy County, NM**  
**NMOCD Ref. No. NAPP2113934267**

Pima Environmental Services, LLC. (Pima) has been contracted by Spur Energy Partners, LLC. (Spur) to perform a spill assessment, remediation, and submit this closure report for a produced water release that occurred at the Shelby 23 #006H Battery (Shelby). The initial C-141 was submitted on May 28<sup>th</sup>, 2021 (Appendix C). This incident was assigned Incident ID NAPP2113934267, by the New Mexico Oil Conservation Division (NMOCD).

#### Site Characterization

The Shelby is located approximately 17 miles northwest of Carlsbad, NM. This spill site is in Unit A, Section 26, Township 19S, Range 25E, Latitude 32.6367288 Longitude -104.4490816, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans. May locally include uppermost Pliocene deposits. The soil in this area is made up of Upton gravelly loam, 0 to 9 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well-drained. There is a medium potential for Karst geology to be present around the Shelby (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 220 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 50 feet BGS. The closest waterway is Brantley Lake located approximately 5.38 miles to the southeast of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29

Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' (Lack of GW data)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

## Release Information

**NAPP2113934267:** The leak occurred when a hammer union on the primary transfer pump started to leak, all fluid remained inside the earthen berm surrounding the facility. The total volume of fluid released was calculated to be approximately 60 barrels (bbls) of produced water. A vacuum truck was able to recover approximately 59 bbls of total fluid.

## Site Assessment and Soil Sampling Results

On August 31<sup>st</sup>, 2021, Pima mobilized personnel to the site to assess the area. A Site Map can be found in Figure 4. We sampled the impacted areas. Laboratory results of this sampling event can be found in the following data table.

8-31-21 Soil Sample Results								
NMOCD Table 1 Closure Criteria 19.15.29 NMAC - Groundwater is <50'								
SPUR ENERGY - Shelby 23 #1								
Date 8/31/2021		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	Surface	ND	ND	ND	8950	2880	11830	56000
	1'	ND	ND	ND	ND	ND	0	48
	2'	ND	ND	ND	ND	ND	0	144
S-2	Surface	29.4	0.298	610	46100	12100	58810	46400
	1'	ND	ND	ND	ND	ND	0	144
	2'	ND	ND	ND	56.3	ND	56.3	224
S-3	Surface	47	0.527	761	50200	15000	65961	47200
	1'	ND	ND	ND	67.6	ND	67.6	1420
	2'	ND	ND	ND	21.5	ND	21.5	1340
S-4	Surface	ND	ND	ND	2030	624	2654	86600
	1'	ND	ND	ND	ND	ND	0	1040
	2'	ND	ND	ND	ND	ND	0	96
S-5	Surface	ND	ND	ND	ND	ND	0	15200
S-6	Surface	ND	ND	ND	ND	ND	0	6640
	1'	ND	ND	ND	ND	ND	0	160
SW-1	0-6"	ND	ND	ND	ND	ND	0	32
SW-2	0-6"	ND	ND	ND	ND	ND	0	16
SW-3	0-6"	ND	ND	ND	ND	ND	0	32
SW-4	0-6"	ND	ND	ND	ND	ND	0	16
SW-5	0-6"	ND	ND	ND	ND	ND	0	16
SW-6	0-6"	ND	ND	ND	ND	ND	0	32
SW-7	0-6"	ND	ND	ND	ND	ND	0	ND
SW-8	0-6"	ND	ND	ND	ND	ND	0	ND
SW-9	0-6"	ND	ND	ND	ND	ND	0	ND
BG-1	0-6"	ND	ND	ND	ND	ND	0	ND
BG-2	0-6"	ND	ND	ND	ND	ND	0	ND
BG-3	0-6"	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

## Remediation Activities

On November 22<sup>nd</sup>, 2021, Pima mobilized personnel and equipment to conduct remedial activities. The following table represents the excavated areas and results of the sampling events at various depths BGS. Bottom and sidewall composite samples were obtained to ensure that the horizontal extents of the contamination had been removed. Photographic documentation can be found in Appendix D.

On November 24<sup>th</sup>, 2022, after sending a 48-hour notification (Appendix C), Pima returned to the site to collect confirmation samples of the excavation. The results of this sampling event can be found in the following table.

## 11-24-21 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC - Groundwater is <50'								
SPUR ENERGY - Shelby 23 #1								
Date 11/24/2021		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS 1	0-6"	ND	ND	ND	ND	ND	0	ND
CS 2	0-6"	ND	ND	ND	ND	ND	0	ND
CS 3	0-6"	ND	ND	ND	ND	ND	0	ND
CS 4	1'	ND	ND	ND	ND	ND	0	ND
CS 5	1'	ND	ND	ND	ND	ND	0	ND
CS 6	1'	ND	ND	ND	ND	ND	0	ND
CS 7	1'	ND	ND	ND	ND	ND	0	ND
CS 8	1'	ND	ND	ND	ND	ND	0	ND
CS 9	3'	ND	ND	ND	ND	ND	0	ND
CS 10	2'	ND	ND	ND	ND	ND	0	ND
CS 11	2'	ND	ND	ND	ND	ND	0	ND
CS 12	2'	ND	ND	ND	ND	ND	0	ND
CS 13	2'	ND	ND	ND	ND	ND	0	ND
CS 14	0-6"	ND	ND	ND	ND	ND	0	ND
CS 15	0-6"	ND	ND	ND	ND	ND	0	ND
CS 16	0-6"	ND	ND	ND	ND	ND	0	ND
CS 17	3"	ND	ND	ND	ND	ND	0	ND
CS 18	3"	ND	ND	ND	ND	ND	0	ND
CS 19	1'	ND	ND	ND	ND	ND	0	ND
CS 20	1'	ND	ND	ND	ND	ND	0	31.1
CS 21	0-6"	ND	ND	ND	ND	ND	0	ND
CS 22	0-6"	ND	ND	ND	ND	ND	0	71.4

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Based on the sample results, the bottom and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was transported to Lea Land, an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and contoured to match the surrounding terrain. A Confirmation Map can be found in Figure 5.

### Closure Request

After careful review, Pima requests that this incident, NAPP2119560689 be closed. Spur has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Gio Gomez at 575-964-7740 or gio@pimaoil.com.

Respectfully,

*Gio Gomez*

Gio Gomez  
Environmental Project Manager  
Pima Environmental Services, LLC

### Attachments

Figures:

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

Appendices:

Appendix A – Referenced Water Surveys

Appendix B – Soil Survey and Geological Data

Appendix C – C-141 Form & 48-Hour Notification

Appendix D – Photographic Documentation

Appendix E – Laboratory Report



Pima Environmental Services

**Figures:**

1-Location Map

2-Topo Map

3-Karst Map

4-Site Map

5-Confirmation Sample Map

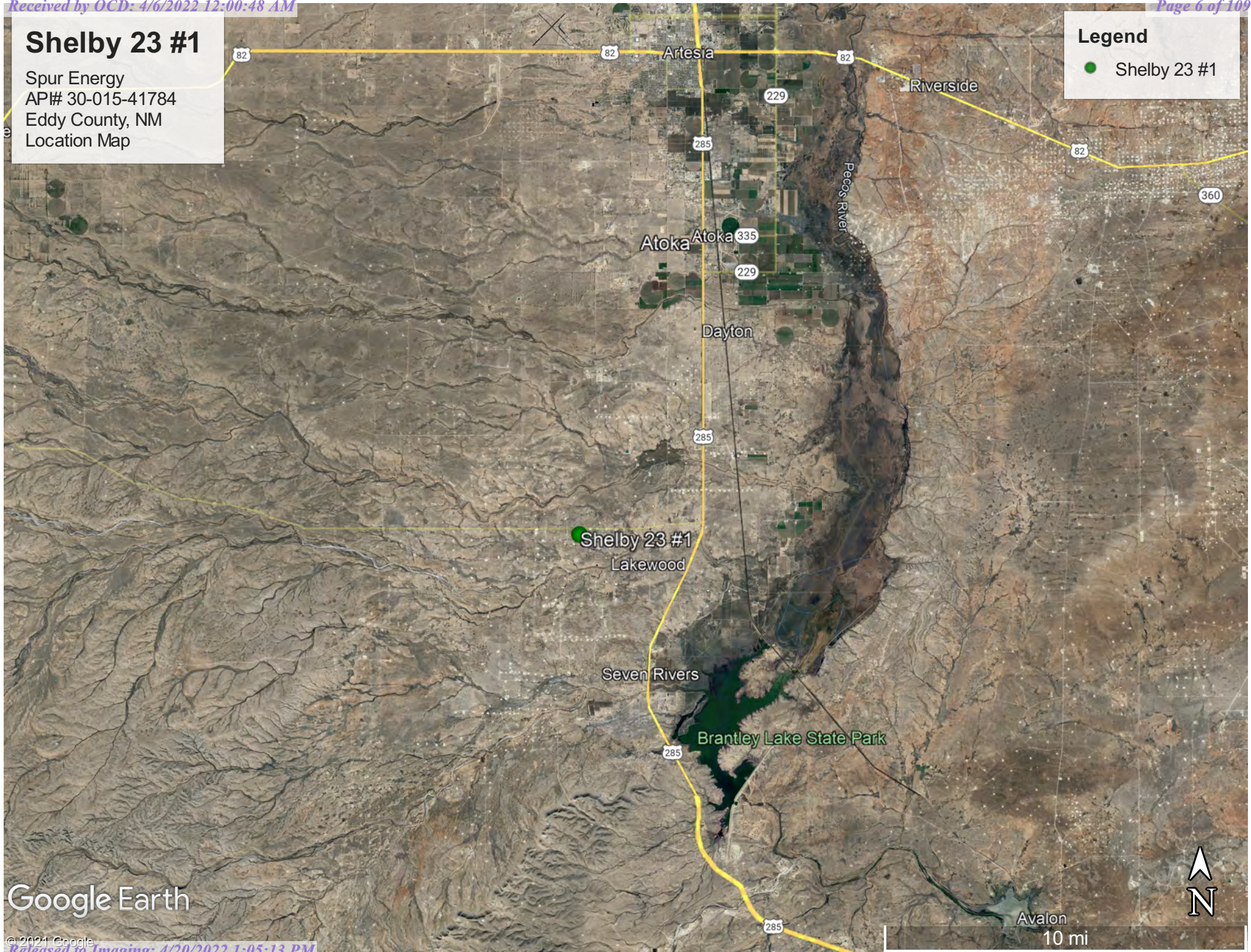


# Shelby 23 #1

Spur Energy  
AP# 30-015-41784  
Eddy County, NM  
Location Map

## Legend

● Shelby 23 #1



Google Earth



10 mi

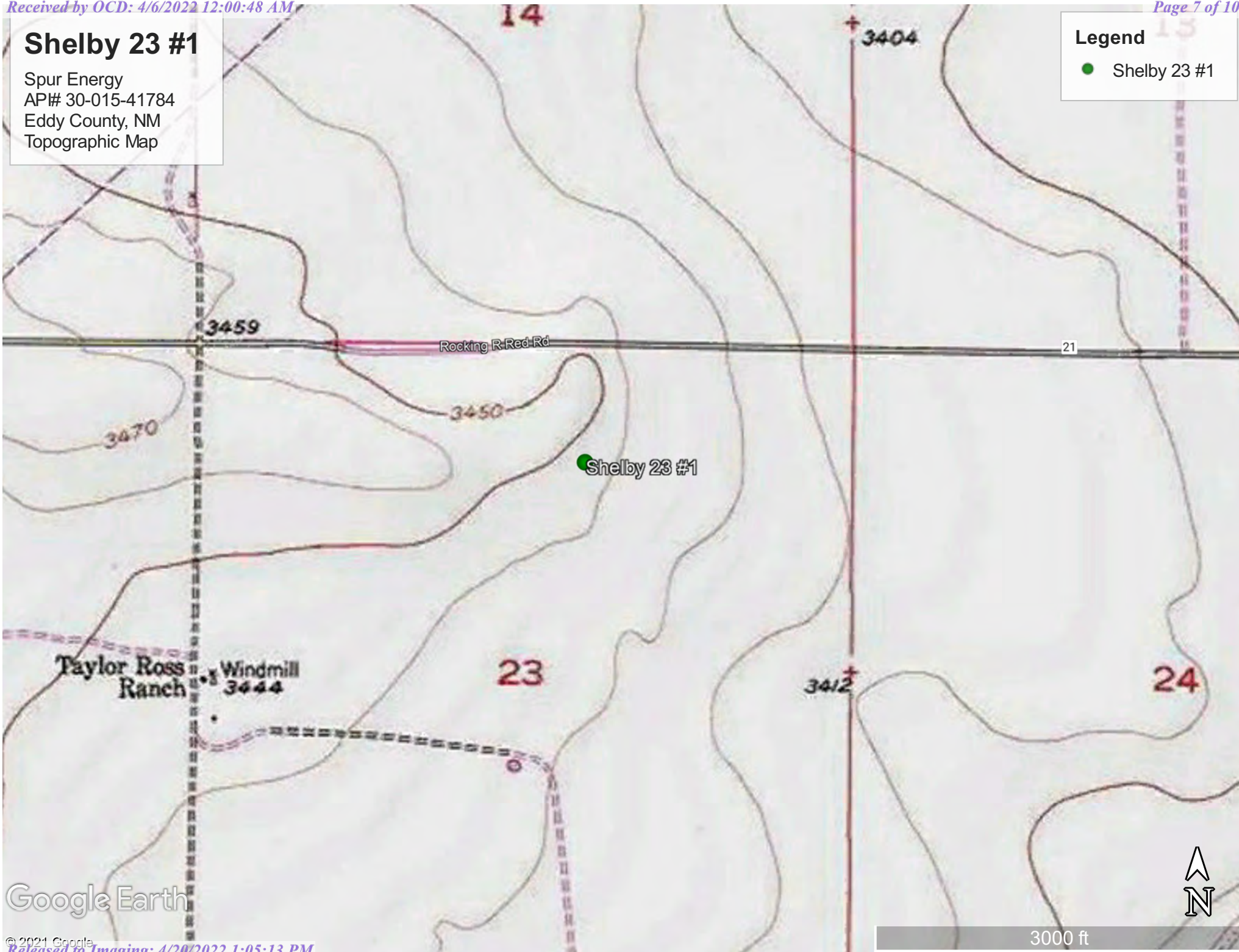


# Shelby 23 #1

Spur Energy  
AP# 30-015-41784  
Eddy County, NM  
Topographic Map

## Legend

● Shelby 23 #1



Google Earth



# Shelby 23 #1

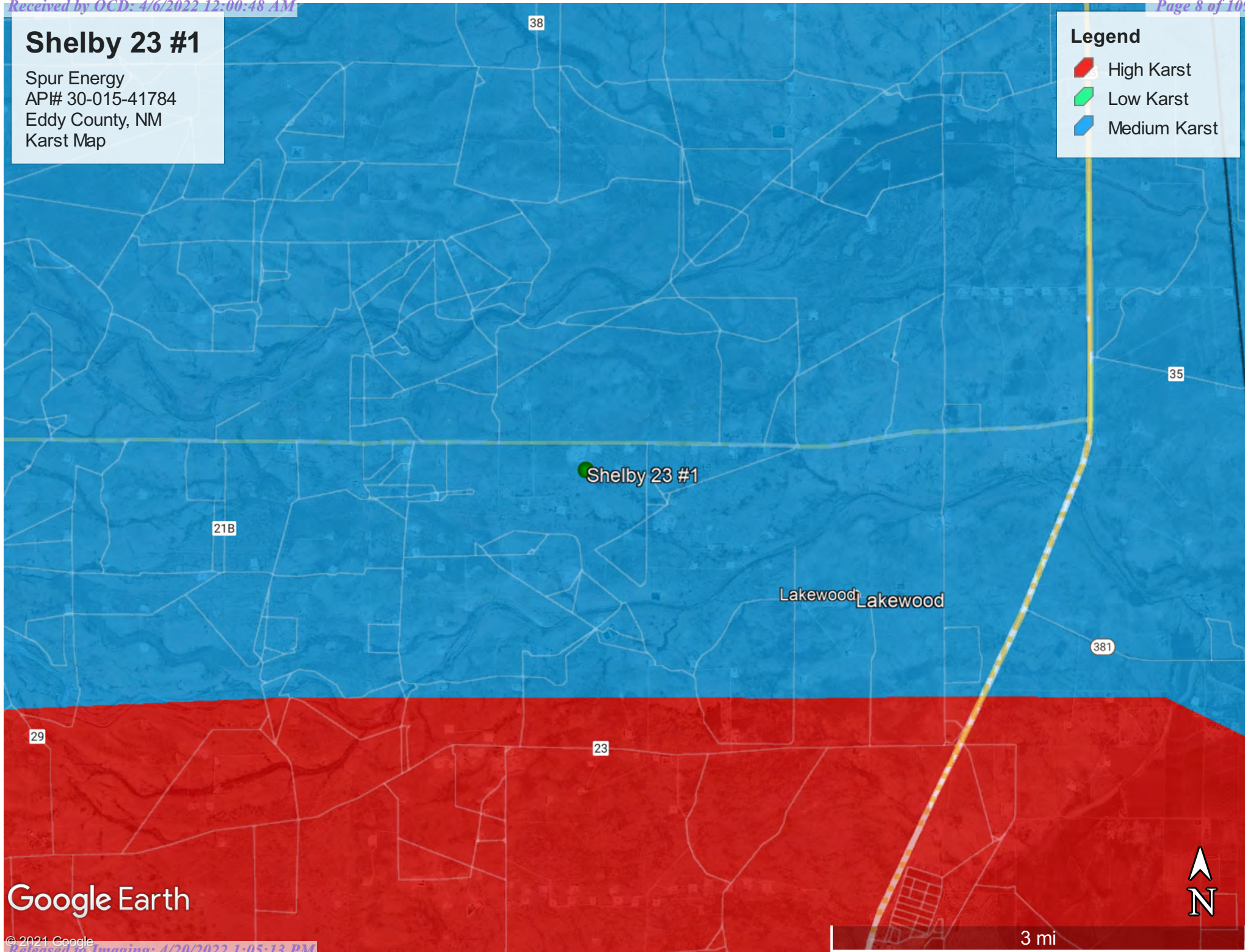
Spur Energy  
AP# 30-015-41784  
Eddy County, NM  
Karst Map

Legend

 High Karst

 Low Karst

 Medium Karst



Google Earth






3 mi

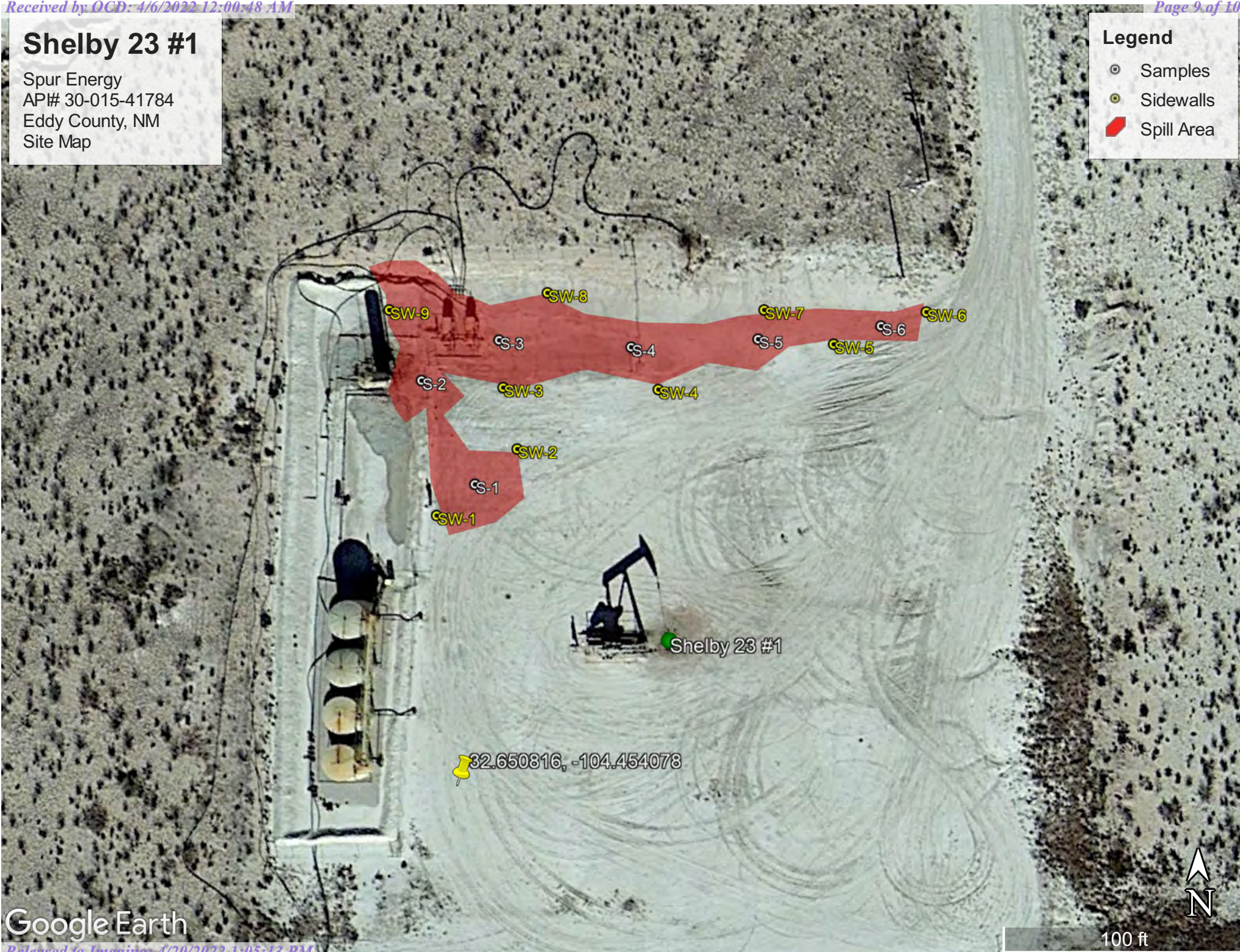


# Shelby 23 #1

Spur Energy  
AP# 30-015-41784  
Eddy County, NM  
Site Map

## Legend

-  Samples
-  Sidewalls
-  Spill Area



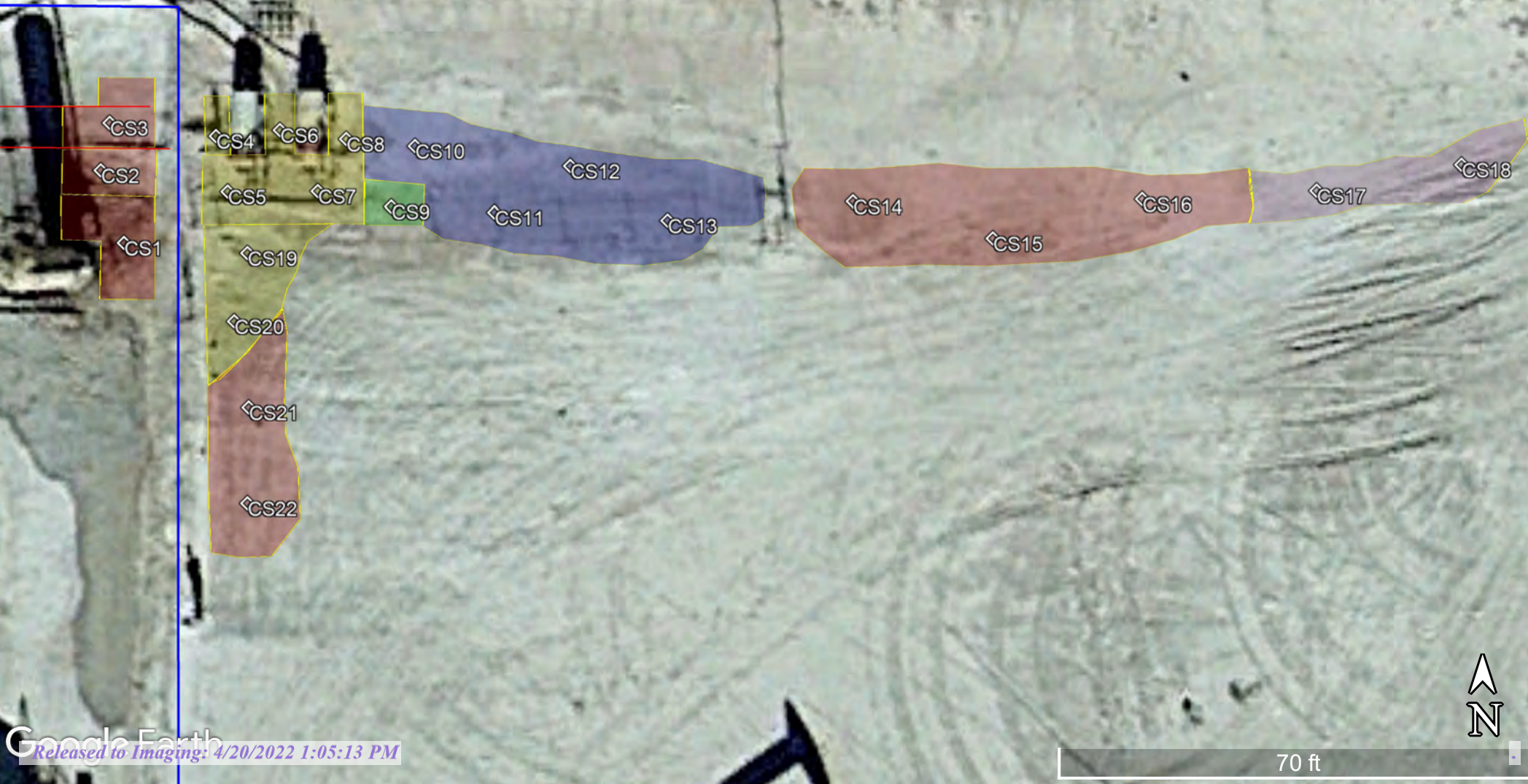


# Snelby 23 #006 Battery

Spur Energy  
API#30-015-41784  
Eddy County, NM  
Confirmation Sample Map

## Legend

- 1 Foot Excavation
- 2 Foot Excavation
- 3 Foot Excavation
- 3 Inch Excavation
- 6 Inch Excavation
- Berm
- Confirmation Sample
- Gas Line







Pima Environmental Services

## **Appendix A**

Water Surveys:

OSE

USGS

Surface Water Map



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">RA 05450</a>	RA	CH		4	2	15	19S	25E		550057	3614015*	1735	204	80	124
<a href="#">RA 09295</a>	RA	ED		4	3	4	13	19S	25E	552979	3613115*	1825	250	85	165
<a href="#">RA 09293</a>	RA	ED		3	4	4	13	19S	25E	553180	3613114*	2022	250	60	190
<a href="#">RA 09294</a>	RA	ED		3	4	4	13	19S	25E	553180	3613114*	2022	194	76	118
<a href="#">RA 08611</a>	RA	ED		1	1	1	19	19S	26E	553583	3612909*	2392	235	90	145
<a href="#">RA 02909</a>	RA	ED		1	3	22	19S	25E		548864	3611989*	2443	188	130	58
<a href="#">RA 08986</a>	RA	ED		1	3	3	22	19S	25E	548825	3611507	2660	320	220	100
<a href="#">RA 03304</a>	RA	ED				1	27	19S	25E	549081	3610973*	2738	130	60	70
<a href="#">RA 08612</a>	RA	ED		1	2	1	19	19S	26E	553989	3612912*	2797	221	80	141
<a href="#">RA 09988</a>	RA	ED		2	4	1	19	19S	26E	554190	3612507*	2997	100	65	35

Average Depth to Water: **94 feet**

Minimum Depth: **60 feet**

Maximum Depth: **220 feet**

**Record Count:** 10

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 551198.9

**Northing (Y):** 3612708.45

**Radius:** 3000

\*UTM location was derived from PLSS - see Help

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

9/7/21 2:34 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER





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## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

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- 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 =

- 323928104271301

Minimum number of levels = 1

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

### USGS 323928104271301 19S.25E.14.43311

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°39'28", Longitude 104°27'13" NAD27

Land-surface elevation 3,429 feet above NAVD88

The depth of the well is 430 feet below land surface.

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Artesia Group (313ARTS) local aquifer.

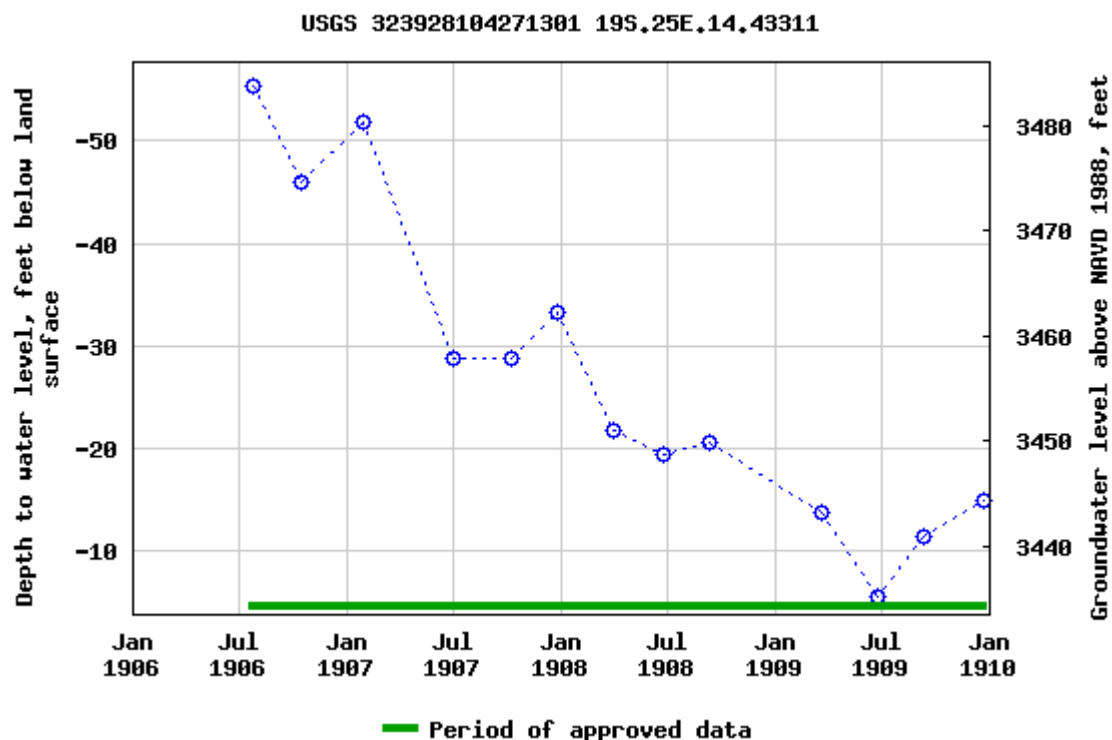
#### Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

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

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

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

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## National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

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- [Full News](#) 

Groundwater levels for the Nation



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

## Search Results -- 1 sites found

site\_no list =

- 323855104274301

Minimum number of levels = 1

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

## USGS 323855104274301 19S.25E.23.133334

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°38'55", Longitude 104°27'43" NAD27

Land-surface elevation 3,451 feet above NAVD88

The depth of the well is 366 feet below land surface.

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Artesia Group (313ARTS) local aquifer.

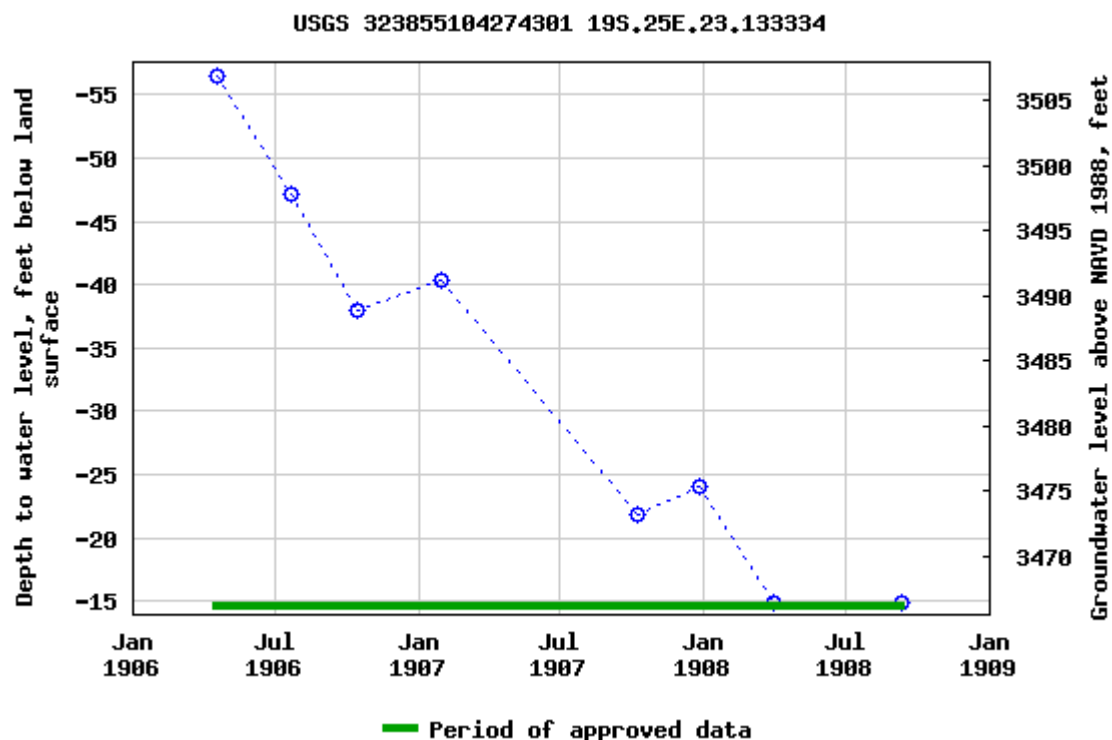
### Output formats

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

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

Page Last Modified: 2021-09-07 16:38:10 EDT


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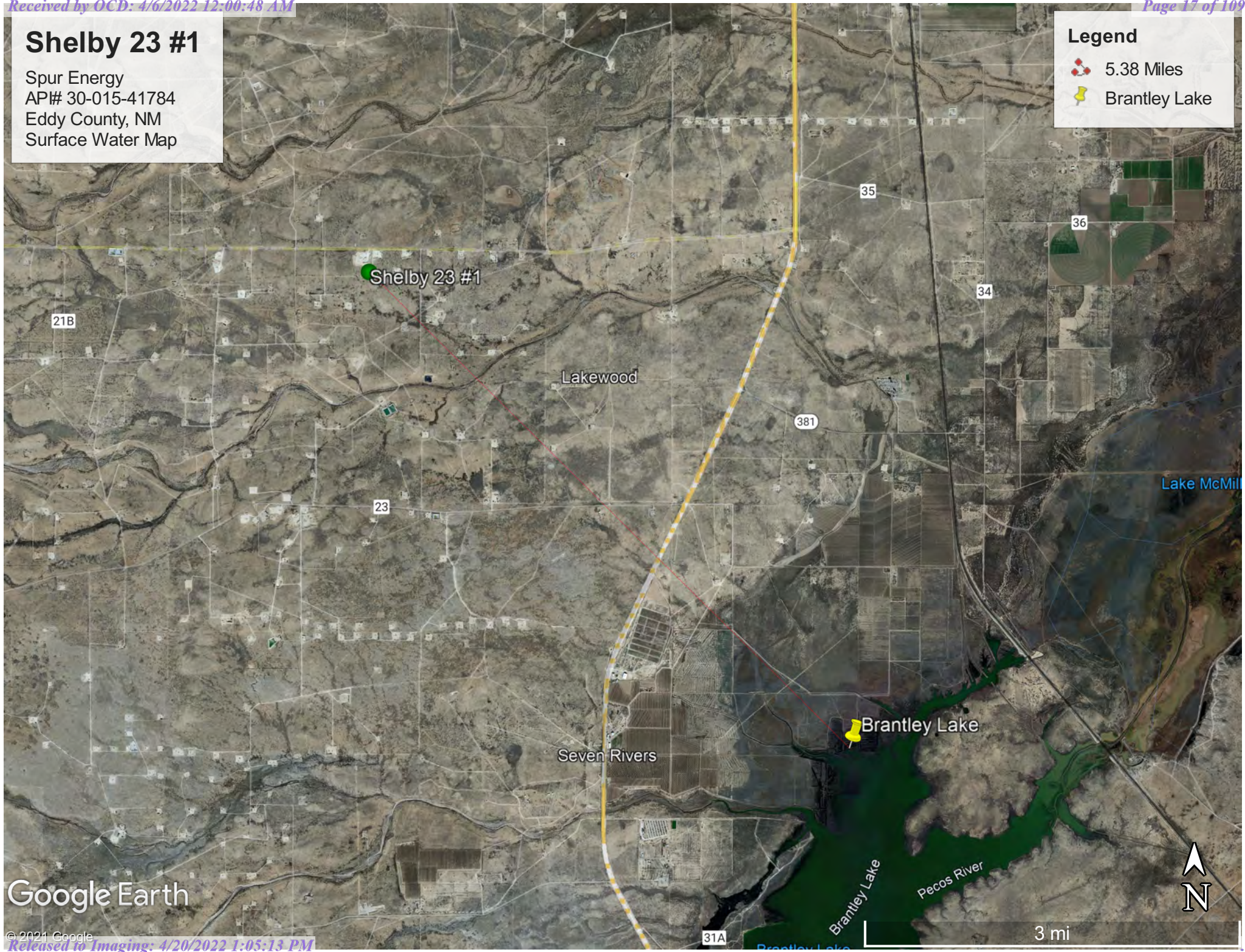
# Shelby 23 #1

Spur Energy  
AP# 30-015-41784  
Eddy County, NM  
Surface Water Map

Legend

 5.38 Miles

 Brantley Lake



Google Earth





Pima Environmental Services

**Appendix B**

Soil Survey & Geological Data

FEMA Flood Map

Map Unit Description: Upton gravelly loam, 0 to 9 percent slopes---Eddy Area, New Mexico

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## Eddy Area, New Mexico

### UG—Upton gravelly loam, 0 to 9 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1w64

*Elevation:* 1,100 to 4,400 feet

*Mean annual precipitation:* 7 to 15 inches

*Mean annual air temperature:* 60 to 70 degrees F

*Frost-free period:* 200 to 240 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Upton and similar soils:* 96 percent

*Minor components:* 4 percent

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

#### Description of Upton

##### Setting

*Landform:* Ridges, fans

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

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Parent material:* Residuum weathered from limestone

##### Typical profile

*H1 - 0 to 9 inches:* gravelly loam

*H2 - 9 to 13 inches:* gravelly loam

*H3 - 13 to 21 inches:* cemented

*H4 - 21 to 60 inches:* very gravelly loam

##### Properties and qualities

*Slope:* 0 to 9 percent

*Depth to restrictive feature:* 7 to 20 inches to petrocalcic

*Drainage class:* Well drained

*Runoff class:* High

*Capacity of the most limiting layer to transmit water (Ksat):* Low to moderately high (0.01 to 0.60 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 75 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:* Very low (about 1.4 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7s

Map Unit Description: Upton gravelly loam, 0 to 9 percent slopes---Eddy Area, New Mexico

---

*Hydrologic Soil Group:* D  
*Ecological site:* R042XC025NM - Shallow  
*Hydric soil rating:* No

#### **Minor Components**

##### **Atoka**

*Percent of map unit:* 1 percent  
*Ecological site:* R042XC007NM - Loamy  
*Hydric soil rating:* No

##### **Reagan**

*Percent of map unit:* 1 percent  
*Ecological site:* R042XC007NM - Loamy  
*Hydric soil rating:* No

##### **Upton**

*Percent of map unit:* 1 percent  
*Ecological site:* R042XC025NM - Shallow  
*Hydric soil rating:* No

##### **Atoka**

*Percent of map unit:* 1 percent  
*Ecological site:* R042XC007NM - Loamy  
*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Eddy Area, New Mexico  
Survey Area Data: Version 17, Sep 12, 2021



# National Flood Hazard Layer FIRMette



104°27'33"W 32°39'20"N



## Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/26/2021 at 11:43 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Pima Environmental Services

**Appendix C**

C-141 Form  
48-Hour Notification

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

State of New Mexico  
Energy Minerals and Natural  
Resources Department

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

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

Incident ID	NAPP2113934267
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	Spur Energy Partners LLC	OGRID	328947
Contact Name	Braidy Moulder	Contact Telephone	713-264-2517
Contact email	bmoulder@spurepllc.com	Incident # (assigned by OCD)	NAPP2113934267
Contact mailing address	2407 Pecos Avenue, Artesia, NM 88210		

### Location of Release Source

Latitude 32.6367288 Longitude -104.4490816  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Shelby 23 #006H Battery	Site Type	Production
Date Release Discovered	05/16/2021	API# (if applicable)	

Unit Letter	Section	Township	Range	County
A	26	19S	25E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 60	Volume Recovered (bbls) 59
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release This leak occurred when the hammer union on the primary transfer pump started leaking.



Form C-141

Page 2

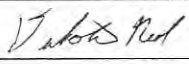
State of New Mexico  
Oil Conservation Division

Incident ID	NAPP2113934267
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? <b>&gt;25 bbls</b>
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? <b>Dakota Neel (SPUR) sent an email to Mike Bratcher and Jim Griswold on 5/17/2021.</b>	

**Initial Response**

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:  	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <b>Dakota Neel</b>	Title: <b>HSE Coordinator</b>
Signature: 	Date: <b>05/28/2021</b>
email: <b>dneel@spurepllc.com</b>	Telephone: <b>832-849-7837</b>
<b><u>OCD Only</u></b>	
Received by: <b>Ramona Marcus</b>	Date: <b>11/9/2021</b>

Incident ID	NAPP2113934267
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

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

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

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

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

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

Incident ID	NAPP2113934267
District RP	
Facility ID	
Application ID	

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

Printed Name: Braidy Moulder Title: HSE Coordinator

Signature: Braidy Moulder Date: 3/20/2022

email: bmoulder@spurepllc.com Telephone: 713-264-2517

**OCD Only**

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

Incident ID	NAPP2113934267
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

Printed Name: Braidy Moulder Title: HSE Coordinator  
Signature: Braidy Moulder Date: 3/20/2022  
email: bmoulder@spurepllc.com Telephone: 713-264-2517

**OCD Only**

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

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

Closure Approved by: Jennifer Nobui Date: 04/20/2022  
Printed Name: Jennifer Nobui Title: Environmental Specialist A



**From:** [sebastian@pimaoil.com](mailto:sebastian@pimaoil.com)  
**To:** [ocdonline@state.nm.us](mailto:ocdonline@state.nm.us)  
**Cc:** [tom@pimaoil.com](mailto:tom@pimaoil.com); [gjo@pimaoil.com](mailto:gjo@pimaoil.com)  
**Subject:** Shelby 23 #006H Battery- 48 Hour Notification  
**Date:** Monday, November 22, 2021 5:18:38 PM

---

Good afternoon,

Pima Environmental would like to notify you that we will be collecting confirmation samples at the Shelby 23 #006H Battery incident number NAPP2113934267. Pima personnel is scheduled to be on site for this sampling event at approximately 8:00 a.m. on Wednesday, November 24<sup>th</sup>, 2021. If you have any questions or concerns, please let me know. Thank you.

Respectfully,

Sebastian Orozco

Environmental Professional

1601 N. Turner Ste. 500

Hobbs, NM 88240

[Sebastian@pimaoil.com](mailto:Sebastian@pimaoil.com)

619-721-4813 cell



Pima Environmental Services

## **Appendix D**

Photographic Documentation



## SITE PHOTOGRAPHS

### SPUR ENERGY

#### SHELBY 23 #1

#### Site Assessment















Post Treatment













Pima Environmental Services

## **Appendix E**

Laboratory Reports





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

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September 03, 2021

CHRIS JONES

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: SHELBY 23 #1

Enclosed are the results of analyses for samples received by the laboratory on 08/31/21 15:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 1 SURFACE (H212364-01)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2021	ND	2.05	103	2.00	2.54	
Toluene*	<0.050	0.050	09/02/2021	ND	2.08	104	2.00	1.73	
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	2.06	103	2.00	2.60	
Total Xylenes*	<0.150	0.150	09/02/2021	ND	6.37	106	6.00	2.17	
Total BTX	<0.300	0.300	09/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	56000	16.0	09/01/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	09/01/2021	ND	226	113	200	8.34	
DRO >C10-C28*	8950	50.0	09/01/2021	ND	222	111	200	6.53	QM-07
EXT DRO >C28-C36	2880	50.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 87.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 441 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 1 1' (H212364-02)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2021	ND	2.05	103	2.00	2.54		
Toluene*	<0.050	0.050	09/01/2021	ND	2.08	104	2.00	1.73		
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.06	103	2.00	2.60		
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.37	106	6.00	2.17		
Total BTX	<0.300	0.300	09/01/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/01/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	226	113	200	8.34	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	222	111	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.4 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 1 2' (H212364-03)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	2.05	103	2.00	2.54	
Toluene*	<0.050	0.050	09/01/2021	ND	2.08	104	2.00	1.73	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.06	103	2.00	2.60	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.37	106	6.00	2.17	
Total BTX	<0.300	0.300	09/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/01/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	226	113	200	8.34	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	222	111	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.5 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 2 SURFACE (H212364-04)**

BTX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.298</b>	0.050	09/02/2021	ND	2.05	103	2.00	2.54	
<b>Toluene*</b>	<b>4.23</b>	0.050	09/02/2021	ND	2.08	104	2.00	1.73	
<b>Ethylbenzene*</b>	<b>7.31</b>	0.050	09/02/2021	ND	2.06	103	2.00	2.60	
<b>Total Xylenes*</b>	<b>17.6</b>	0.150	09/02/2021	ND	6.37	106	6.00	2.17	
<b>Total BTX</b>	<b>29.4</b>	0.300	09/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 221 % 69.9-140

Chloride, SM4500CI-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>46400</b>	16.0	09/01/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: CK					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>610</b>	100	09/01/2021	ND	226	113	200	8.34	
<b>DRO &gt;C10-C28*</b>	<b>46100</b>	100	09/01/2021	ND	222	111	200	6.53	
<b>EXT DRO &gt;C28-C36</b>	<b>12100</b>	100	09/01/2021	ND					

Surrogate: 1-Chlorooctane 215 % 44.3-133

Surrogate: 1-Chlorooctadecane 1830 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 2 1' (H212364-05)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2021	ND	2.05	103	2.00	2.54		
Toluene*	<0.050	0.050	09/01/2021	ND	2.08	104	2.00	1.73		
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.06	103	2.00	2.60		
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.37	106	6.00	2.17		
Total BTX	<0.300	0.300	09/01/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	09/01/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	226	113	200	8.34	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	222	111	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 75.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.7 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 2 2' (H212364-06)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	2.05	103	2.00	2.54	
Toluene*	<0.050	0.050	09/01/2021	ND	2.08	104	2.00	1.73	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.06	103	2.00	2.60	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.37	106	6.00	2.17	
Total BTEx	<0.300	0.300	09/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	09/01/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	56.3	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 84.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 3 SURFACE (H212364-07)**

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.527</b>	0.200	09/02/2021	ND	2.05	103	2.00	2.54	
<b>Toluene*</b>	<b>6.67</b>	0.200	09/02/2021	ND	2.08	104	2.00	1.73	
<b>Ethylbenzene*</b>	<b>11.8</b>	0.200	09/02/2021	ND	2.06	103	2.00	2.60	
<b>Total Xylenes*</b>	<b>28.0</b>	0.600	09/02/2021	ND	6.37	106	6.00	2.17	
<b>Total BTX</b>	<b>47.0</b>	1.20	09/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 150 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>47200</b>	16.0	09/01/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>761</b>	100	09/01/2021	ND	199	99.6	200	5.24	
<b>DRO &gt;C10-C28*</b>	<b>50200</b>	100	09/01/2021	ND	218	109	200	0.915	
<b>EXT DRO &gt;C28-C36</b>	<b>15000</b>	100	09/01/2021	ND					

Surrogate: 1-Chlorooctane 171 % 44.3-133

Surrogate: 1-Chlorooctadecane 1510 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 3 1' (H212364-08)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88	
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88	
Total BTX	<0.300	0.300	09/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	09/01/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	67.6	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 76.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 3 2' (H212364-09)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88		
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45		
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78		
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88		
Total BTEx	<0.300	0.300	09/01/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	09/01/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	21.5	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 78.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 4 SURFACE (H212364-10)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88	
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88	
Total BTX	<0.300	0.300	09/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	86600	16.0	09/01/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	2030	50.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	624	50.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 83.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 4 1' (H212364-11)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88	
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88	
Total BTX	<0.300	0.300	09/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	09/01/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 4 2' (H212364-12)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88		
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45		
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78		
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88		
Total BTX	<0.300	0.300	09/01/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/01/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 86.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 5 SURFACE (H212364-13)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88	
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88	
Total BTX	<0.300	0.300	09/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15200	16.0	09/01/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 78.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 6 SURFACE (H212364-14)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88		
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45		
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78		
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88		
Total BTX	<0.300	0.300	09/01/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6640	16.0	09/01/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 153 % 44.3-133

Surrogate: 1-Chlorooctadecane 138 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 6 1' (H212364-15)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88		
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45		
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78		
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88		
Total BTX	<0.300	0.300	09/01/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/01/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 76.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 1 (H212364-16)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88		
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45		
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78		
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88		
Total BTEx	<0.300	0.300	09/01/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/01/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 79.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 2 (H212364-17)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88	
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88	
Total BTEX	<0.300	0.300	09/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/01/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 75.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 3 (H212364-18)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88		
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45		
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78		
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88		
Total BTEx	<0.300	0.300	09/01/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/01/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 80.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 4 (H212364-19)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88	
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45	
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78	
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88	
Total BTEX	<0.300	0.300	09/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/01/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 79.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 5 (H212364-20)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2021	ND	1.87	93.7	2.00	6.88		
Toluene*	<0.050	0.050	09/01/2021	ND	2.04	102	2.00	6.45		
Ethylbenzene*	<0.050	0.050	09/01/2021	ND	2.01	101	2.00	6.78		
Total Xylenes*	<0.150	0.150	09/01/2021	ND	6.07	101	6.00	6.88		
Total BTEx	<0.300	0.300	09/01/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/01/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 75.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 6 (H212364-21)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/02/2021	ND	1.86	93.2	2.00	5.43		
Toluene*	<0.050	0.050	09/02/2021	ND	2.04	102	2.00	4.96		
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	2.00	100	2.00	5.68		
Total Xylenes*	<0.150	0.150	09/02/2021	ND	6.03	101	6.00	5.60		
Total BTEx	<0.300	0.300	09/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/01/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 70.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 61.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 7 (H212364-22)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/02/2021	ND	1.86	93.2	2.00	5.43		
Toluene*	<0.050	0.050	09/02/2021	ND	2.04	102	2.00	4.96		
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	2.00	100	2.00	5.68		
Total Xylenes*	<0.150	0.150	09/02/2021	ND	6.03	101	6.00	5.60		
Total BTEX	<0.300	0.300	09/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/01/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 77.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.4 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 8 (H212364-23)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2021	ND	1.86	93.2	2.00	5.43	
Toluene*	<0.050	0.050	09/02/2021	ND	2.04	102	2.00	4.96	
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	2.00	100	2.00	5.68	
Total Xylenes*	<0.150	0.150	09/02/2021	ND	6.03	101	6.00	5.60	
Total BTEX	<0.300	0.300	09/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/01/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 80.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 9 (H212364-24)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/02/2021	ND	1.86	93.2	2.00	5.43		
Toluene*	<0.050	0.050	09/02/2021	ND	2.04	102	2.00	4.96		
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	2.00	100	2.00	5.68		
Total Xylenes*	<0.150	0.150	09/02/2021	ND	6.03	101	6.00	5.60		
Total BTEX	<0.300	0.300	09/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/01/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 75.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: BG - 1 (H212364-25)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/02/2021	ND	1.86	93.2	2.00	5.43		
Toluene*	<0.050	0.050	09/02/2021	ND	2.04	102	2.00	4.96		
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	2.00	100	2.00	5.68		
Total Xylenes*	<0.150	0.150	09/02/2021	ND	6.03	101	6.00	5.60		
Total BTEX	<0.300	0.300	09/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/01/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	199	99.6	200	5.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	218	109	200	0.915	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 74.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: BG - 2 (H212364-26)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/02/2021	ND	1.86	93.2	2.00	5.43		
Toluene*	<0.050	0.050	09/02/2021	ND	2.04	102	2.00	4.96		
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	2.00	100	2.00	5.68		
Total Xylenes*	<0.150	0.150	09/02/2021	ND	6.03	101	6.00	5.60		
Total BTEx	<0.300	0.300	09/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/01/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	197	98.5	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	213	107	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 83.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 08/31/2021  
Reported: 09/03/2021  
Project Name: SHELBY 23 #1  
Project Number: 6-40  
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 08/31/2021  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: BG - 3 (H212364-27)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/02/2021	ND	1.98	99.2	2.00	1.48		
Toluene*	<0.050	0.050	09/02/2021	ND	1.97	98.6	2.00	4.08		
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	2.00	100	2.00	7.63		
Total Xylenes*	<0.150	0.150	09/02/2021	ND	6.15	103	6.00	7.70		
Total BTEX	<0.300	0.300	09/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/01/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/01/2021	ND	197	98.5	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/01/2021	ND	213	107	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	09/01/2021	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.6 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", written in a cursive style.

Celey D. Keene, Lab Director/Quality Manager



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																		
Project Manager: Chris Jones				P.O. #:																						
Address: 1601 N Turner St., Suite 500				Company: <i>Spur Energy</i>																						
City: Hobbs State: NM Zip: 88240				Attn:																						
Phone #: 575-964-7740 Fax #:				Address:																						
Project #: <i>6-40</i> Project Owner: <i>Spur Energy</i>				City:																						
Project Name: <i>Shelby 23 #1</i>				State: Zip:																						
Project Location: <i>Eddy, NM</i>				Phone #:																						
Sampler Name: <i>Tristan Jones</i>				Fax #:																						
FOR LAB USE ONLY																										
Lab I.D.	Sample I.D.	(G/RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING																	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
<i>H212364</i>																										
<i>1</i>	<i>S-1</i>	<i>Surface</i>											<i>8/31/21</i>													
<i>2</i>	<i>S-1</i>	<i>1'</i>																								
<i>3</i>	<i>S-1</i>	<i>2'</i>																								
<i>4</i>	<i>S-2</i>	<i>Surface</i>																								
<i>5</i>	<i>S-2</i>	<i>1'</i>																								
<i>6</i>	<i>S-2</i>	<i>2'</i>																								
<i>7</i>	<i>S-3</i>	<i>Surface</i>																								
<i>8</i>	<i>S-3</i>	<i>1'</i>																								
<i>9</i>	<i>S-3</i>	<i>2'</i>																								
<i>10</i>	<i>S-4</i>	<i>Surface</i>																								

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Relinquished By: <i>[Signature]</i>	Date: <i>8/31/21</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Time: <i>1545</i>	Time:	REMARKS:		
Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other: <i>27.2i #113</i>	Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>T.O.</i>	<i>Brought Straight to lab from field.</i>	





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: Chris Jones				P.O. #:															
Address: 1601 N Turner St., Suite 500				Company:															
City: Hobbs State: NM Zip: 88240				Attn:															
Phone #: 575-964-7740 Fax #:				Address:															
Project #: Project Owner:				City:															
Project Name:				State: Zip:															
Project Location:				Phone #:															
Sampler Name:				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(GRAB OR C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING		TPH EXT BT EX Chlorides								
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:							ICE / COOL	OTHER :	DATE
H222364																			
11	S-04 1'												8/31/21						
12	S-4 2'																		
13	S-5 Surface																		
14	S-6 Surface																		
15	S-6 1'																		
16	SW-1																		
17	SW-2																		
18	SW-3																		
19	SW-4																		
20	SW-5																		

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 8/31/21	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1545		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)		Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other:		Cool Intact	(Initials)	
27.2°C #113		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	V. -	

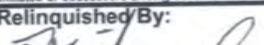



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

(575) 393-2326 FAX (575) 333-2476						<b>BILL TO</b>								<b>ANALYSIS REQUEST</b>									
Company Name: Pima Environmental Services						P.O. #:																	
Project Manager: Chris Jones						Company:																	
Address: 1601 N Turner St., Suite 500						Attn:																	
City: Hobbs State: NM Zip: 88240						Address:																	
Phone #: 575-964-7740 Fax #:						City:																	
Project #: Project Owner:						State: Zip:																	
Project Name:						Phone #:																	
Project Location:						Fax #:																	
Sampler Name:																							
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.				(G/RAB OR (C)OMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING											
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		ACID/BASE: ICE / COOL OTHER :		DATE TIME											
H212364						9						8/31/21											
21 SW-6																							
22 SW-7																							
23 SW-8																							
24 SW-9																							
25 Bg-1																							
26 Bg-2																							
27 Bg-3																							

**PLEASE NOTE:** Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: 				Date: 8/7/21		Received By: 		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Relinquished By:				Time: 1545		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:				Date:		Received By:		REMARKS:			
Relinquished By:				Time:		Received By:					
Delivered By: (Circle One)						Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		CHECKED BY: (Initials)			
Sampler - UPS - Bus - Other:						27.2c #13		YO			



Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Shelby 23 #1

Work Order: E111142

Job Number: 21064-0001

Received: 11/27/2021

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/2/21

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 12/2/21

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Shelby 23 #1  
Workorder: E111142  
Date Received: 11/27/2021 12:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/27/2021 12:00:00PM, under the Project Name: Shelby 23 #1.

The analytical test results summarized in this report with the Project Name: Shelby 23 #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
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**Rayny Hagan**  
Technical Representative  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	<b>Reported:</b> 12/02/21 14:33
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E111142-01A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS2	E111142-02A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS3	E111142-03A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS4	E111142-04A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS5	E111142-05A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS6	E111142-06A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS7	E111142-07A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS8	E111142-08A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS9	E111142-09A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS10	E111142-10A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS11	E111142-11A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS12	E111142-12A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS13	E111142-13A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS14	E111142-14A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS15	E111142-15A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS16	E111142-16A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS17	E111142-17A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS18	E111142-18A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS19	E111142-19A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS20	E111142-20A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS21	E111142-21A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.
CS22	E111142-22A	Soil	11/24/21	11/24/21	Glass Jar, 4 oz.



## Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shelby 23 #1 Project Number: 21064-0001 Project Manager: Tom Bynum	<b>Reported:</b> 12/2/2021 2:33:31PM
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### CS1

#### E111142-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2149001	
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.9 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2149001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.4 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2149005	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/29/21	
<i>Surrogate: n-Nonane</i>	123 %	50-200		11/29/21	11/29/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2149004	
Chloride	ND	20.0	1	11/29/21	11/29/21	



## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

## CS2

## E111142-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.5 %	70-130	11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/29/21	
<i>Surrogate: n-Nonane</i>						
		116 %	50-200	11/29/21	11/29/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/29/21	



## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

## CS3

## E111142-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/29/21	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		11/29/21	11/29/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/29/21	





## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

## CS4

## E111142-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/29/21	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		11/29/21	11/29/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/29/21	



## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

## CS5

## E111142-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/29/21	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		11/29/21	11/29/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/29/21	



## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

## CS6

## E111142-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.6 %	70-130	11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/29/21	
<i>Surrogate: n-Nonane</i>						
		119 %	50-200	11/29/21	11/29/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/29/21	



## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

CS7

E111142-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.8 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/29/21	
<i>Surrogate: n-Nonane</i>						
	122 %	50-200		11/29/21	11/29/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/29/21	





## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

## CS8

## E111142-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.6 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.0 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/29/21	
<i>Surrogate: n-Nonane</i>						
	123 %	50-200		11/29/21	11/29/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/29/21	



## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

## CS9

## E111142-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2149001	
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.5 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2149001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.4 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2149005	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/29/21	
<i>Surrogate: n-Nonane</i>	118 %	50-200		11/29/21	11/29/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2149004	
Chloride	ND	20.0	1	11/29/21	11/29/21	



## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

## CS10

## E111142-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.2 %	70-130	11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	11/29/21	11/30/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/29/21	



## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

## CS11

## E111142-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		11/29/21	11/30/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/29/21	





## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

## CS12

## E111142-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.8 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		11/29/21	11/30/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/29/21	



## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

## CS13

## E111142-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
<i>Surrogate: n-Nonane</i>						
	121 %	50-200		11/29/21	11/30/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/30/21	



## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

## CS14

## E111142-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.3 %	70-130	11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
<i>Surrogate: n-Nonane</i>						
		126 %	50-200	11/29/21	11/30/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/30/21	



## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

## CS15

## E111142-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.7 %	70-130	11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
<i>Surrogate: n-Nonane</i>						
		124 %	50-200	11/29/21	11/30/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/30/21	





## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

## CS16

## E111142-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		11/29/21	11/30/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/30/21	



## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

## CS17

## E111142-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.4 %	70-130	11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2149005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	11/29/21	11/30/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/30/21	



## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

## CS18

## E111142-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.6 %	70-130	11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2149006
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
<i>Surrogate: n-Nonane</i>						
		133 %	50-200	11/29/21	11/30/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/30/21	



## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

## CS19

## E111142-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2149006
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		11/29/21	11/30/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2149004
Chloride	ND	20.0	1	11/29/21	11/30/21	





## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

## CS20

## E111142-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Benzene	ND	0.0250	1	11/29/21	12/01/21	
Ethylbenzene	ND	0.0250	1	11/29/21	12/01/21	
Toluene	ND	0.0250	1	11/29/21	12/01/21	
o-Xylene	ND	0.0250	1	11/29/21	12/01/21	
p,m-Xylene	ND	0.0500	1	11/29/21	12/01/21	
Total Xylenes	ND	0.0250	1	11/29/21	12/01/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	12/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		11/29/21	12/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2149006
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
<i>Surrogate: n-Nonane</i>						
	122 %	50-200		11/29/21	11/30/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2149004
Chloride	31.1	20.0	1	11/29/21	11/30/21	



## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

## CS21

## E111142-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149002
Benzene	ND	0.0250	1	11/29/21	11/29/21	
Ethylbenzene	ND	0.0250	1	11/29/21	11/29/21	
Toluene	ND	0.0250	1	11/29/21	11/29/21	
o-Xylene	ND	0.0250	1	11/29/21	11/29/21	
p,m-Xylene	ND	0.0500	1	11/29/21	11/29/21	
Total Xylenes	ND	0.0250	1	11/29/21	11/29/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		11/29/21	11/29/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	11/29/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.7 %	70-130		11/29/21	11/29/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2149006
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		11/29/21	11/30/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2149003
Chloride	ND	20.0	1	11/29/21	11/29/21	



## Sample Data

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

Project Name: Shelby 23 #1  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
12/2/2021 2:33:31PM

## CS22

## E111142-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149002
Benzene	ND	0.0250	1	11/29/21	11/29/21	
Ethylbenzene	ND	0.0250	1	11/29/21	11/29/21	
Toluene	ND	0.0250	1	11/29/21	11/29/21	
o-Xylene	ND	0.0250	1	11/29/21	11/29/21	
p,m-Xylene	ND	0.0500	1	11/29/21	11/29/21	
Total Xylenes	ND	0.0250	1	11/29/21	11/29/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/29/21	11/29/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2149002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/21	11/29/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.1 %	70-130	11/29/21	11/29/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2149006
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/21	11/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/21	11/30/21	
<i>Surrogate: n-Nonane</i>						
		123 %	50-200	11/29/21	11/30/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2149003
Chloride	71.4	20.0	1	11/29/21	11/29/21	



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	<b>Reported:</b>
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

## 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 (2149001-BLK1)

Prepared: 11/29/21 Analyzed: 11/30/21

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	7.72		8.00		96.5	70-130			

## LCS (2149001-BS1)

Prepared: 11/29/21 Analyzed: 11/30/21

Benzene	4.39	0.0250	5.00		87.8	70-130			
Ethylbenzene	4.78	0.0250	5.00		95.5	70-130			
Toluene	4.78	0.0250	5.00		95.6	70-130			
o-Xylene	4.91	0.0250	5.00		98.2	70-130			
p,m-Xylene	9.71	0.0500	10.0		97.1	70-130			
Total Xylenes	14.6	0.0250	15.0		97.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	70-130			

## LCS Dup (2149001-BS1)

Prepared: 11/29/21 Analyzed: 11/30/21

Benzene	4.29	0.0250	5.00		85.7	70-130	2.38	20	
Ethylbenzene	4.68	0.0250	5.00		93.7	70-130	1.94	20	
Toluene	4.68	0.0250	5.00		93.5	70-130	2.12	20	
o-Xylene	4.83	0.0250	5.00		96.6	70-130	1.62	20	
p,m-Xylene	9.52	0.0500	10.0		95.2	70-130	1.89	20	
Total Xylenes	14.4	0.0250	15.0		95.7	70-130	1.80	20	
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			





## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	<b>Reported:</b>
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

## 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 (2149002-BLK1)

Prepared: 11/29/21 Analyzed: 11/29/21

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	7.85		8.00		98.2	70-130			

## LCS (2149002-BS1)

Prepared: 11/29/21 Analyzed: 11/29/21

Benzene	4.42	0.0250	5.00		88.4	70-130			
Ethylbenzene	4.62	0.0250	5.00		92.3	70-130			
Toluene	4.68	0.0250	5.00		93.6	70-130			
o-Xylene	4.75	0.0250	5.00		95.1	70-130			
p,m-Xylene	9.39	0.0500	10.0		93.9	70-130			
Total Xylenes	14.1	0.0250	15.0		94.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.04		8.00		100	70-130			

## LCS Dup (2149002-BS1)

Prepared: 11/29/21 Analyzed: 11/29/21

Benzene	4.51	0.0250	5.00		90.1	70-130	1.89	20	
Ethylbenzene	4.71	0.0250	5.00		94.2	70-130	2.07	20	
Toluene	4.77	0.0250	5.00		95.4	70-130	1.93	20	
o-Xylene	4.84	0.0250	5.00		96.8	70-130	1.83	20	
p,m-Xylene	9.58	0.0500	10.0		95.8	70-130	1.94	20	
Total Xylenes	14.4	0.0250	15.0		96.1	70-130	1.90	20	
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	<b>Reported:</b>
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

## 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 (2149001-BLK1)

Prepared: 11/29/21 Analyzed: 11/30/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			

## LCS (2149001-BS2)

Prepared: 11/29/21 Analyzed: 11/30/21

Gasoline Range Organics (C6-C10)	53.6	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			

## LCS Dup (2149001-BSD2)

Prepared: 11/29/21 Analyzed: 11/30/21

Gasoline Range Organics (C6-C10)	51.4	20.0	50.0		103	70-130	4.21	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.2	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	<b>Reported:</b>
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

## 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 (2149002-BLK1)

Prepared: 11/29/21 Analyzed: 11/29/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.7	70-130			

## LCS (2149002-BS2)

Prepared: 11/29/21 Analyzed: 11/29/21

Gasoline Range Organics (C6-C10)	52.0	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			

## LCS Dup (2149002-BSD2)

Prepared: 11/29/21 Analyzed: 11/29/21

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0		101	70-130	2.85	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		92.9	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	<b>Reported:</b>
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2149005-BLK1)

Prepared: 11/29/21 Analyzed: 11/29/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.6		50.0		119	50-200			

## LCS (2149005-BS1)

Prepared: 11/29/21 Analyzed: 11/29/21

Diesel Range Organics (C10-C28)	517	25.0	500		103	38-132			
Surrogate: n-Nonane	57.7		50.0		115	50-200			

## Matrix Spike (2149005-MS1)

Source: E111144-02

Prepared: 11/29/21 Analyzed: 11/29/21

Diesel Range Organics (C10-C28)	563	25.0	500	ND	113	38-132			
Surrogate: n-Nonane	62.9		50.0		126	50-200			

## Matrix Spike Dup (2149005-MSD1)

Source: E111144-02

Prepared: 11/29/21 Analyzed: 11/29/21

Diesel Range Organics (C10-C28)	549	25.0	500	ND	110	38-132	2.60	20	
Surrogate: n-Nonane	57.5		50.0		115	50-200			





## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	<b>Reported:</b>
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2149006-BLK1)

Prepared: 11/29/21 Analyzed: 11/29/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	56.7		50.0		113	50-200			

## LCS (2149006-BS1)

Prepared: 11/29/21 Analyzed: 11/29/21

Diesel Range Organics (C10-C28)	527	25.0	500		105	38-132			
Surrogate: <i>n</i> -Nonane	60.0		50.0		120	50-200			

## Matrix Spike (2149006-MS1)

Source: E111142-19

Prepared: 11/29/21 Analyzed: 11/30/21

Diesel Range Organics (C10-C28)	528	25.0	500	ND	106	38-132			
Surrogate: <i>n</i> -Nonane	55.4		50.0		111	50-200			

## Matrix Spike Dup (2149006-MSD1)

Source: E111142-19

Prepared: 11/29/21 Analyzed: 11/30/21

Diesel Range Organics (C10-C28)	555	25.0	500	ND	111	38-132	4.95	20	
Surrogate: <i>n</i> -Nonane	56.5		50.0		113	50-200			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	<b>Reported:</b>
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

## Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2149003-BLK1)

Prepared: 11/29/21 Analyzed: 11/29/21

Chloride ND 20.0

## LCS (2149003-BS1)

Prepared: 11/29/21 Analyzed: 11/29/21

Chloride 248 20.0 250 99.2 90-110

## Matrix Spike (2149003-MS1)

Source: E111144-01

Prepared: 11/29/21 Analyzed: 11/29/21

Chloride 928 20.0 250 696 92.9 80-120

## Matrix Spike Dup (2149003-MSD1)

Source: E111144-01

Prepared: 11/29/21 Analyzed: 11/29/21

Chloride 893 20.0 250 696 78.9 80-120 3.84 20 M2



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shelby 23 #1	<b>Reported:</b>
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/2/2021 2:33:31PM

## Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2149004-BLK1)

Prepared: 11/29/21 Analyzed: 11/29/21

Chloride ND 20.0

## LCS (2149004-BS1)

Prepared: 11/29/21 Analyzed: 11/29/21

Chloride 256 20.0 250 102 90-110

## Matrix Spike (2149004-MS1)

Source: E111142-01

Prepared: 11/29/21 Analyzed: 11/29/21

Chloride 259 20.0 250 ND 104 80-120

## Matrix Spike Dup (2149004-MSD1)

Source: E111142-01

Prepared: 11/29/21 Analyzed: 11/29/21

Chloride 258 20.0 250 ND 103 80-120 0.191 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:	Shelby 23 #1	
PO Box 247	Project Number:	21064-0001	<b>Reported:</b>
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/02/21 14:33

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: <u>PIMA Environmental</u>					Bill To					Lab Use Only					TAT				EPA Program			
Project:					Attention:					Lab WO#		Job Number			1D	2D	3D	Standard	CWA	SDWA		
Project Manager:					Address:					<u>E111142</u>		<u>20040001</u>										
Address:					City, State, Zip					Analysis and Method												RCRA
City, State, Zip					Phone:					DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	TX - TPH (TCEQ 1005)					
Email:					Email:																	
Report due by:																						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																	
	11/24/21	Soil	1-402	CS11	11										X							
				CS12	12																	
				CS13	13																	
				CS14	14																	
				CS15	15																	
				CS16	16																	
				CS17	17																	
				CS18	18																	
				CS19	19																	
				CS20	20																	

## Additional Instructions:

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

Sampled by:

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: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

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

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





## Envirotech Analytical Laboratory

Printed: 12/2/2021 1:16:40PM

## 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:	11/27/21 12:00	Work Order ID:	E111142
Phone:	(575) 631-6977	Date Logged In:	11/24/21 12:16	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	12/03/21 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: Courier**Comments/Resolution****Sample Turn Around Time (TAT)**

6. Did the COC indicate standard TAT, or Expedited TAT? No

**Sample Cooler**

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

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

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

**Sample Container**

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

**Field Label**

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

**Sample Preservation**

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

**Multiphase Sample Matrix**

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

**Subcontract Laboratory**

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

**Client Instruction**

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

Date



envirotech Inc.

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

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

CONDITIONS  
  
Action 96104

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 96104
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	4/20/2022