



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

June 13, 2022

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

Re: Site Assessment, Remediation, and Closure Report
Jones D #5
API No. 30-015-20421
GPS: Latitude 32.7468376 Longitude -104.3258286
ULSTR - L-18-T18S-R27E
Eddy County, NM
NMOCD Ref. No. NAB1811557328

Spur Energy Partners (Spur) has contracted Pima Environmental Services, LLC (Pima) to perform a spill assessment, remediation, and submit this closure report for a produced water release that occurred at the Jones D #5 (Jones). The initial C-141 was submitted on April 24, 2018 (Appendix C). This incident was assigned Incident ID NAB1811557328, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Jones is located approximately seven and a half (7.5) miles southeast of Artesia, NM. This spill site is in Unit L, Section 18, Township 18S, Range 27E, Latitude 32.7468376 Longitude -104.3258286, 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 Alluvium, Holocene to upper Pleistocene. The soil in this area is made up of Arno-Harkey complex, saline, 0 to 1 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 moderately well-drained. There is a medium potential for karst geology to be present around the Jones (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 18 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 23 feet BGS. The closest waterway is the Pecos River located approximately .8 miles to the east 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'	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

NAB1811557328: On April 4, 2018, The cause of the spill was overflow from a storage tank. The berm around the storage tank did not overflow, but water seeped through the berm and washed it out. Water then spilled onto the location. We estimate the spill volume to be 47 bbls of produced water and no oil. The water had already dried and no water was recovered.

Site Assessment and Soil Sampling Results

On January 19, 2022, Pima mobilized personnel to the site to assess the area. We sampled the impacted area. Laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

1-19-2022 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC - DTGW is 18'								
Spur Energy - Jones D #5								
Date 1/19/2022		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
SW-1	1'	ND	ND	ND	ND	ND	0	32
SW-2	1'	ND	ND	ND	ND	ND	0	32
SW-3	1'	ND	ND	ND	ND	ND	0	ND
SW-4	1'	ND	ND	ND	ND	ND	0	ND
S-1	Surf	ND	ND	ND	ND	ND	0	64
S-2	Surf	ND	ND	ND	ND	ND	0	368
	2'	ND	ND	ND	ND	ND	0	32
S-3	Surf	ND	ND	ND	10.2	ND	10.2	320
	2'	ND	ND	ND	ND	ND	0	32
S-4	Surf	ND	ND	ND	10.4	ND	10.4	6640
	4'	ND	ND	ND	ND	ND	0	ND
S-5	Surf	ND	ND	ND	ND	ND	0	ND
S-6	Surf	ND	ND	ND	ND	ND	0	ND
S-7	Surf	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Remediation Activities

On May 24, 2022, after all equipment and plumbing had been decommissioned and removed from the site, Pima returned to remediate the area by excavating the contaminated soil. An area measuring approximately 200 square feet surrounding sample point S-4 was excavated to a depth of 3' bgs. This was a total of approximately 22 cubic yards of contaminated soil. See Appendix D for Photographic Documentation.

On June 3, 2022, after sending a 48-hour notification, Pima returned to collect confirmation samples of the excavated area. 5-point composite samples were taken from the bottom and each sidewall of the excavation. The laboratory results of this sampling event can be found in the following table. A Confirmation Sample Map can be found in Figure 5.

6-3-2022 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC - DTGW is <50'								
Spur Energy - Jones D #5								
Date 6/3/2022		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
CS1	3'	ND	ND	ND	ND	ND	0	ND
NSW	3'	ND	ND	ND	ND	ND	0	63.6
ESW	3'	ND	ND	ND	ND	ND	0	ND
SSW	3'	ND	ND	ND	ND	ND	0	ND
WSW	3'	ND	ND	ND	ND	ND	0	24.8

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, a NMOCD approved disposal site. The excavation was not backfilled due to the pad site being reclaimed. When the reclaim was finished, the pad surface was machine compacted and contoured to match the surrounding terrain.

Closure Request

After careful review, Pima requests that this incident, NAB1811557328 be closed. Spur has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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

Respectfully,

Gio Gomez

Gio Gomez
Environmental Project Manager
Pima Environmental Services, LLC

Attachments

Figures:

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

Appendices:

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



Pima Environmental Services

Figures:

1-Location Map

2-Topo Map

3-Karst Map

4-Site Map

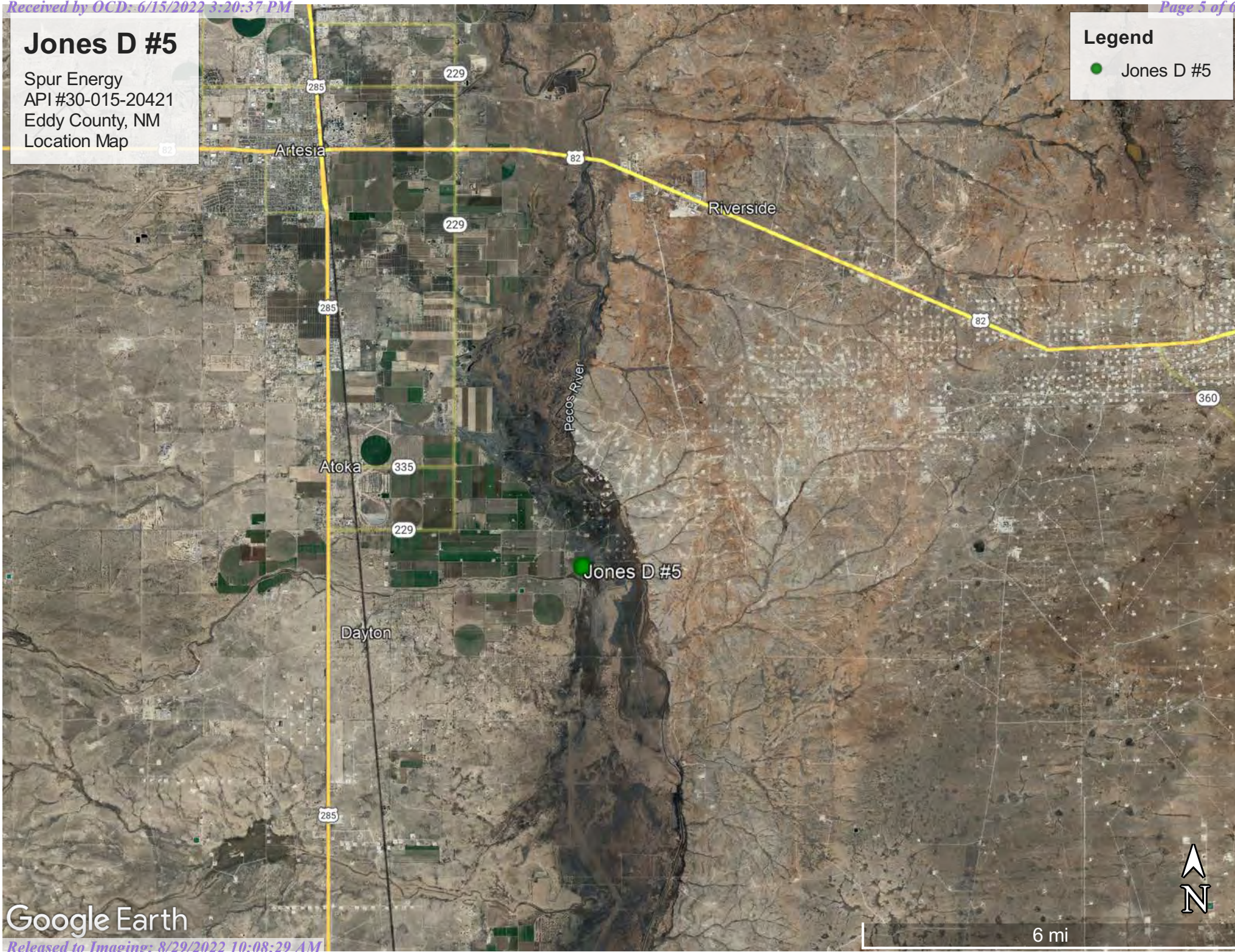
5-Confirmation Site Map

Jones D #5

Spur Energy
API #30-015-20421
Eddy County, NM
Location Map

Legend

● Jones D #5



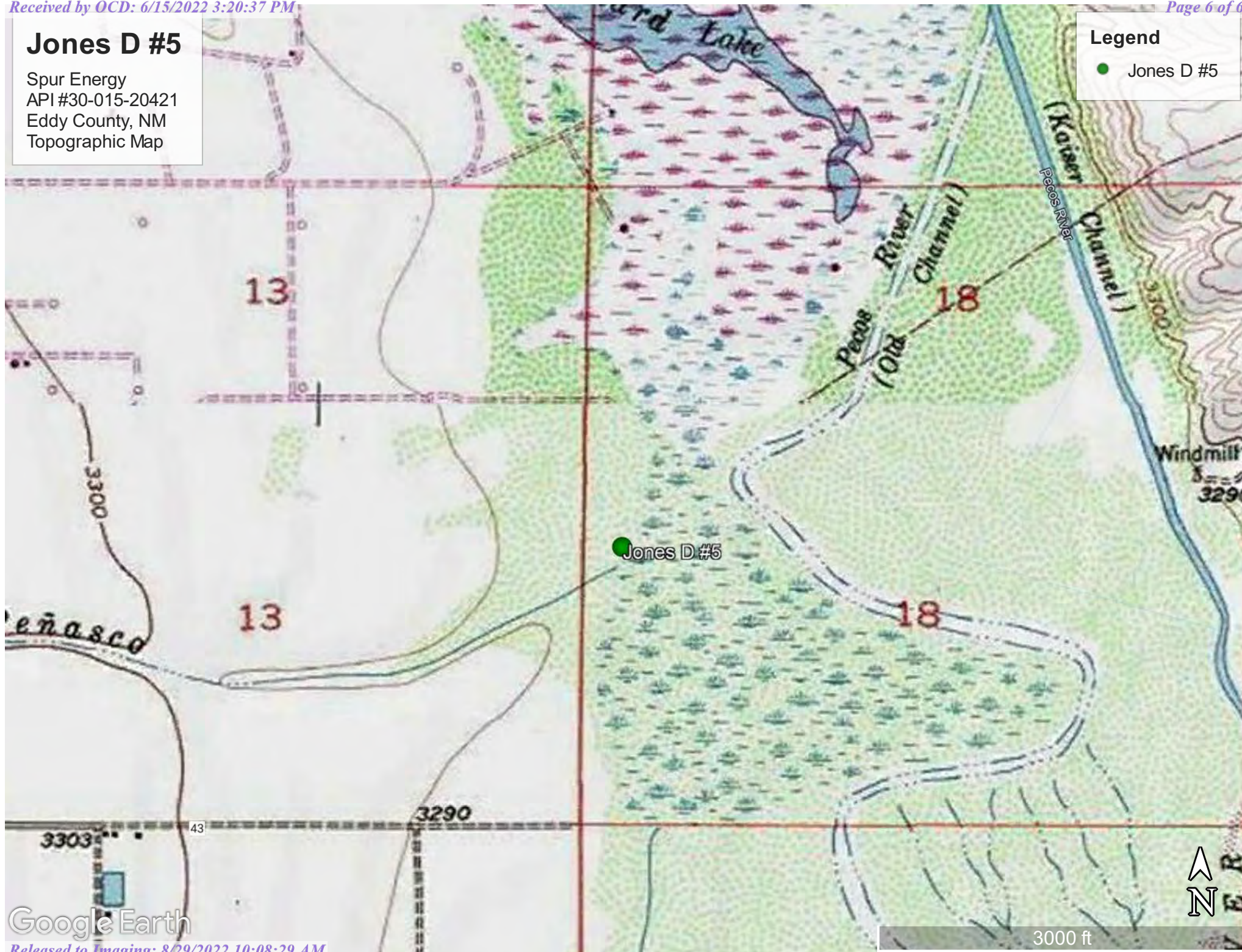
Google Earth

Jones D #5

Spur Energy
API #30-015-20421
Eddy County, NM
Topographic Map

Legend

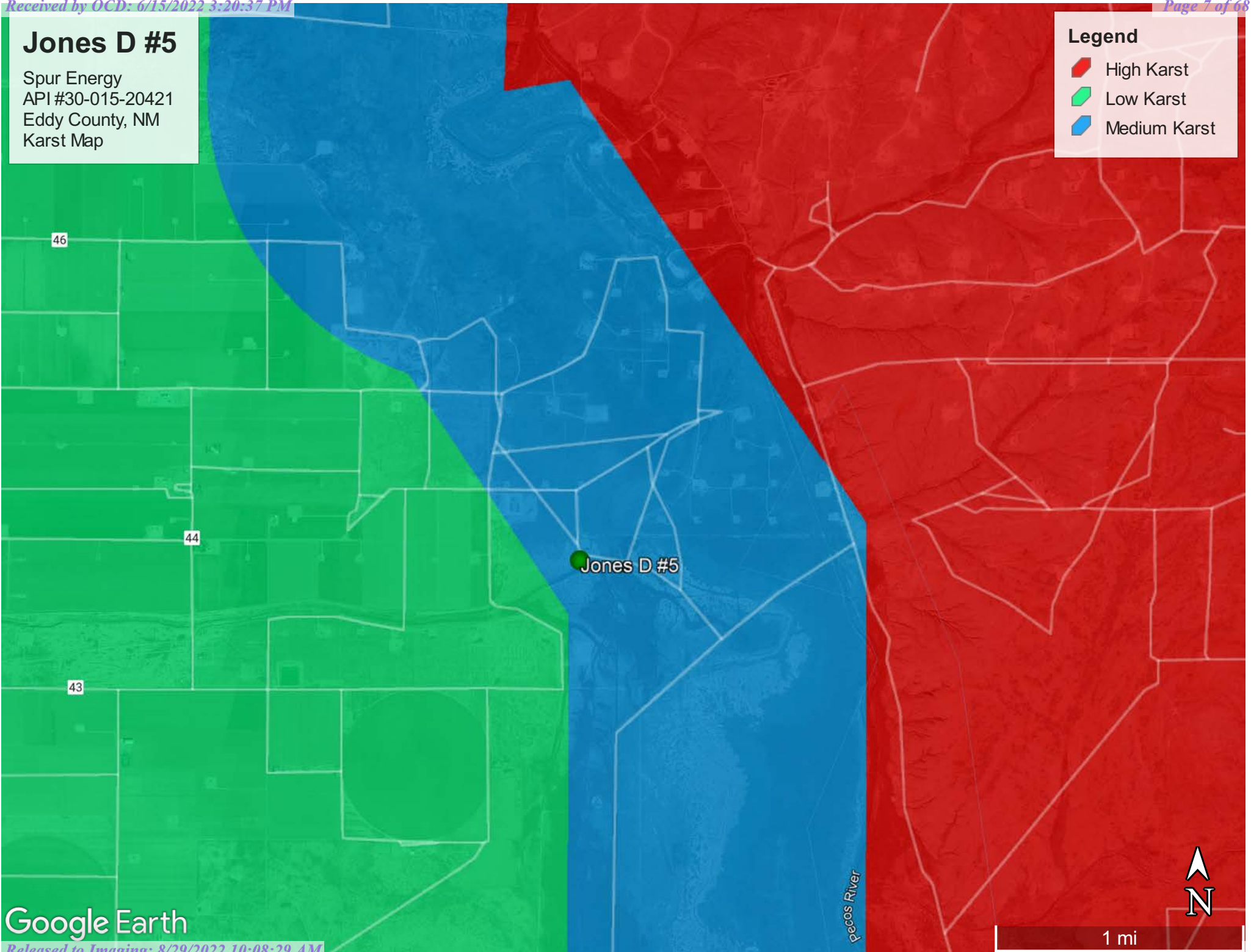
● Jones D #5



Jones D #5

Spur Energy
API #30-015-20421
Eddy County, NM
Karst Map

- Legend**
- High Karst
 - Low Karst
 - Medium Karst







Google Earth

Jones D #5

Spur Energy
API #30-015-20421
Eddy County, NM
Site Map

Legend

-  Estimated Spill Area
-  Samples
-  Sidewalls

 32.746925, -104.325768

Jones D #5



Google Earth



70 ft

Jones D #5

Spur Energy
API #30-015-20421
Eddy County, NM
Confirmation Site Map

Legend

- Confirmation Sample
- Confirmation Sidewalls
- Contaminated Area-200sqft



Google Earth



Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
RA 03409		RA	ED	1	4	2	24	18S	26E	562763	3622210*	1281	175	18	157
RA 04298		RA	ED		1	2	19	18S	27E	564082	3622523*	1295	92		
RA 02132 B		RA	ED	1	2	1	24	18S	26E	561958	3622611*	1451	166		
RA 01343 CLW	O	RA	CH	1	2	4	14	18S	26E	561157	3623417*	1999	150	23	127
RA 03900		RA	ED	1	3	1	24	18S	26E	561557	3622206*	2014	845	90	755
RA 12483 POD3		RA	ED	1	4	4	14	18S	26E	561120	3623003	2080	58	47	11
RA 12483 POD5		RA	ED	1	4	4	14	18S	26E	561126	3622920	2094	59	53	6
RA 12483 POD2		RA	ED	1	4	4	14	18S	26E	561084	3622999	2117	62	51	11
RA 12483 POD4		RA	ED	1	4	4	14	18S	26E	561086	3622959	2122	60	48	12
RA 12483 POD1		RA	ED	1	4	4	14	18S	26E	561070	3623006	2128	72	55	17
RA 12740 POD1		RA	ED	2	3	2	14	18S	26E	560985	3623759	2196	150	86	64
RA 03585		RA	ED	4	1	4	14	18S	26E	560955	3623216*	2212	1849		
RA 03600		RA	ED	2	3	2	14	18S	26E	560956	3623821*	2235	955		
RA 03750		RA	ED		3	4	24	18S	26E	562465	3621299*	2240	110	35	75
RA 02432		RA	ED	2	3	1	12	18S	26E	561764	3625443*	2447	100		
RA 00773		RA	ED		1	2	23	18S	26E	560856	3622508*	2478			
RA 00774		RA	ED		1	2	23	18S	26E	560856	3622508*	2478			
RA 00775		RA	ED		1	2	23	18S	26E	560856	3622508*	2478	900		
RA 00012	O	RA	ED		3	4	11	18S	26E	560858	3624531*	2548	600		
RA 03596		RA	ED		3	4	11	18S	26E	560858	3624531*	2548	1736		
RA 00012 A		RA	ED	3	3	4	11	18S	26E	560757	3624430*	2599	600		
RA 03634		RA	ED	3	1	4	11	18S	26E	560757	3624835*	2780	1797		
RA 03639		RA	ED	4	4	3	11	18S	26E	560555	3624429*	2786	1710		
RA 09374		RA	ED	2	1	1	25	18S	26E	561759	3620995*	2807	101		
RA 06979		RA	ED		1	1	25	18S	26E	561660	3620896*	2942	100		

Average Depth to Water: **50 feet**
 Minimum Depth: **18 feet**
 Maximum Depth: **90 feet**

Record Count: 25

UTM NAD83 Radius Search (in meters):

Easting (X): 563156.68

Northing (Y): 3623429.99

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.



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

National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 324418104194701

Minimum number of levels = 1

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

USGS 324418104194701 18S.26E.24.24111

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°44'18", Longitude 104°19'47" NAD27

Land-surface elevation 3,290 feet above NAVD88

The depth of the well is 63 feet below land surface.

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

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

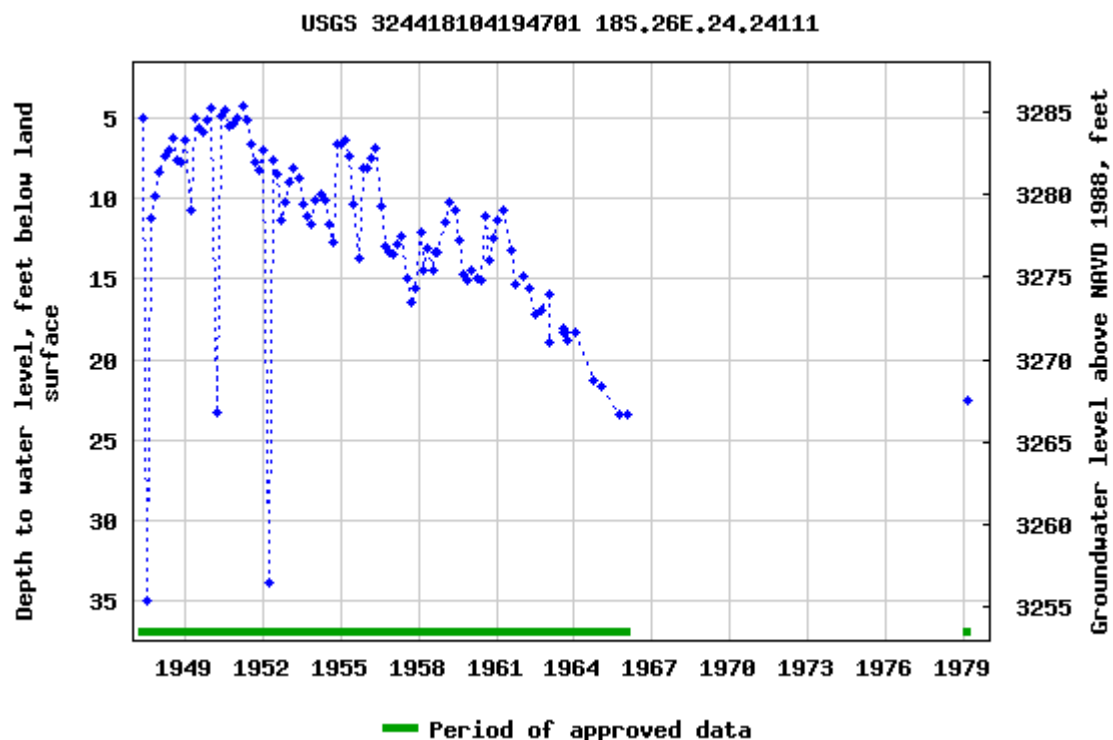
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

[Download a presentation-quality graph](#)

[Questions about sites/data?](#)

[Feedback on this web site](#)

[Automated retrievals](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

[News](#)

[Accessibility](#)

[FOIA](#)

[Privacy](#)

[Policies and Notices](#)

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

Title: Groundwater for USA: Water Levels

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

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

Page Last Modified: 2022-01-31 14:22:21 EST

0.59 0.5 nadww01





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

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation



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

Search Results -- 1 sites found

site_no list =

- 324415104194701

Minimum number of levels = 1

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

USGS 324415104194701 18S.26E.24.24131

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°44'15", Longitude 104°19'47" NAD27

Land-surface elevation 3,289 feet above NAVD88

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

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

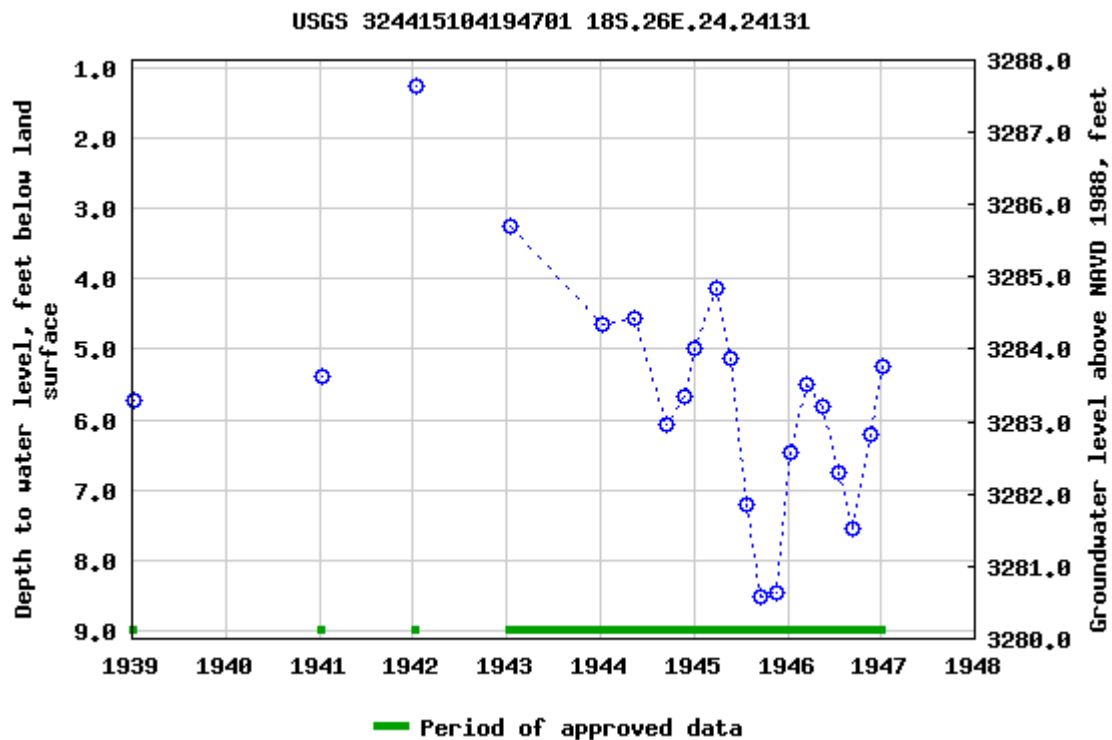
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

[Download a presentation-quality graph](#)

[Questions about sites/data?](#)

[Feedback on this web site](#)

[Automated retrievals](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

[News](#)

[Accessibility](#)

[FOIA](#)

[Privacy](#)

[Policies and Notices](#)

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

Title: Groundwater for USA: Water Levels

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

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

Page Last Modified: 2022-01-31 14:22:58 EST

0.55 0.49 nadww01



Jones D #5

Spur Energy
API #30-015-20421
Eddy County, NM
Surface Water Map

Legend

- 0.8 Miles
- Pecos River

Jones D #5

Pecos River

Google Earth

Released to Imaging: 8/29/2022 10:08:29 AM

2000 ft





Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Map Unit Description: Arno-Harkey complex, saline, 0 to 1 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

AH—Arno-Harkey complex, saline, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 1w3v

Elevation: 1,100 to 4,500 feet

Mean annual precipitation: 4 to 16 inches

Mean annual air temperature: 60 to 64 degrees F

Frost-free period: 180 to 280 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Arno and similar soils: 50 percent

Harkey and similar soils: 25 percent

Minor components: 25 percent

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

Description of Arno

Setting

Landform: Flood plains, alluvial fans

Landform position (three-dimensional): Talf, rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium

Typical profile

H1 - 0 to 9 inches: silty clay loam

H2 - 9 to 60 inches: silty clay

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Moderately well drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: RareNone

Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

Gypsum, maximum content: 5 percent

Maximum salinity: Moderately saline to strongly saline (8.0 to 32.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Low (about 5.7 inches)

Interpretive groups

Land capability classification (irrigated): 6s

Land capability classification (nonirrigated): 7s

Map Unit Description: Arno-Harkey complex, saline, 0 to 1 percent slopes---Eddy Area, New Mexico

Hydrologic Soil Group: D
Ecological site: R042XC033NM - Salty Bottomland
Hydric soil rating: No

Description of Harkey

Setting

Landform: Flood plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Alluvium derived from sedimentary rock

Typical profile

H1 - 0 to 9 inches: very fine sandy loam
H2 - 9 to 60 inches: very fine sandy loam

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: About 48 to 72 inches
Frequency of flooding: OccasionalNone
Frequency of ponding: None
Calcium carbonate, maximum content: 30 percent
Gypsum, maximum content: 2 percent
Maximum salinity: Slightly saline to strongly saline (4.0 to 16.0 mmhos/cm)
Sodium adsorption ratio, maximum: 13.0
Available water supply, 0 to 60 inches: Low (about 6.0 inches)

Interpretive groups

Land capability classification (irrigated): 2s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: B
Ecological site: R042XC036NM - Salt Flats
Hydric soil rating: No

Minor Components

Anthony

Percent of map unit: 24 percent
Ecological site: R042XC004NM - Sandy
Hydric soil rating: No

Pima variant

Percent of map unit: 1 percent
Landform: Flood plains, alluvial fans, alluvial flats
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear, convex

Map Unit Description: Arno-Harkey complex, saline, 0 to 1 percent slopes---Eddy Area, New Mexico

Ecological site: R042XC017NM - Bottomland
Hydric soil rating: Yes

Data Source Information

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

National Flood Hazard Layer FIRMMette



104°19'52"W 32°45'4"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000 104°19'14"W 32°44'34"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
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/21/2022 at 2:40 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

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

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

APR 24 2018

Form C-141
Revised April 3, 2017

DISTRICT II-ARTESIA OGD
Submit a copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

NAB181155732B

371255 OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Percussion Petroleum Operating, LLC	Contact Eli Trevino
Address 919 Milam Street, Suite 2475 Houston, TX 77002	Telephone No. (575) 499-3993
Facility Name Jones D #5	Facility Type SWD
Surface Owner Private	Mineral Owner Private
API No. 30-015-20421	

LOCATION OF RELEASE

Unit Letter L	Section 18	Township 18S	Range 27E	Feet from the 2310'	North/South Line South	Feet from the 330'	East/West Line West	County Eddy
------------------	---------------	-----------------	--------------	------------------------	---------------------------	-----------------------	------------------------	----------------

Latitude 32.7468376 Longitude -104.3258286 NAD83

NATURE OF RELEASE

Type of Release Produced water	Volume of Release 47bbls	Volume Recovered 0bbls
Source of Release Water tanks at SWD	Date and Hour of Occurrence 4/4/18 at 8:00 PM	Date and Hour of Discovery 4/4/18 at 8:00 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Crystal Weaver (NMOCD) and Mike Bratcher (NMOCD)	
By Whom? Toby Rhodes	Date and Hour 4/5/18 at 6:17 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully:
No watercourse impacted.

Describe Cause of Problem and Remedial Action Taken:
The cause of the spill was overflow from a storage tank.

Describe Area Affected and Cleanup Action Taken:
The berm around the storage tank did not overflow, but water seeped through the berm and washed it out. Water then spilled onto the location. We estimate the spill volume to be 47bbls of produced water and no oil. The water had already dried and no water was recovered.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: <i>Michael Martin</i>	OIL CONSERVATION DIVISION	
Printed Name: Michael Martin	Approved by Environmental Specialist Signed By: <i>Michael Bratcher</i>	
Title: Petroleum Engineer	Approval Date: 4/24/18	Expiration Date: N/A
E-mail Address: Michael@percussionpetroleum.com	Conditions of Approval: See Attached	
Date: 4/24/2018	Phone: (713) 429-4249	Attached <input checked="" type="checkbox"/> JRP-4721

* Attach Additional Sheets If Necessary

Incident ID	NAB1811557328
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>18</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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


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

State of New Mexico
Oil Conservation Division

Incident ID	NAB1811557328
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: Chad Hensley Title: HSE Coordinator

Signature:  Date: 6/15/2022

email: chensley@spurenergy.com Telephone: 346-339-1494

OCD Only

Received by: _____ Date: _____

Incident ID	NAB1811557328
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: Chad Hensley Title: HSE Coordinator
Signature:  Date: 6/13/2022
email: chensley@spurenergy.com Telephone: 346-339-1494

OCD Only

Received by: _____ Date: _____

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

Closure Approved by:  Date: 08/29/2022
Printed Name: Jennifer Nobui Title: Environmental Specialist A

From: [Tom Bynum](#)
To: ["ocdonline_emnrd.EMNRD"; "OCDOnline@state.nm.us"](#)
Cc: ["Gio PimaOil"](#)
Subject: 48-Hour Notification - NAB1811557328
Date: Wednesday, June 1, 2022 6:23:00 AM

Good morning,
Pima Environmental would like to notify you that we will be collecting confirmation samples at the Jones D #5 for incident ID NAB1811557328. Pima personnel are scheduled to be on site for this sampling event at approximately 6:00 a.m. on Friday, June 3rd, 2022. If you have any questions or concerns, please let me know. Thank you.

THANK YOU,

Tom Bynum
Environmental Project Manager
Cell – 580-748-1613
Office – 575-964-7740



Pima Environmental Services, LLC.



Pima Environmental Services

Appendix D

Photographic Documentation











Pima Environmental Services

Appendix E

Laboratory Reports



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

January 31, 2022

TOM BYNUM

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: JONES D #5

Enclosed are the results of analyses for samples received by the laboratory on 01/24/22 16:00.

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.

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

Received: 01/24/2022
Reported: 01/31/2022
Project Name: JONES D #5
Project Number: 6-56
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 01/19/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SW - 1 (H220269-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2022	ND	2.13	107	2.00	4.69	
Toluene*	<0.050	0.050	01/28/2022	ND	2.19	110	2.00	0.630	
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	2.06	103	2.00	1.56	
Total Xylenes*	<0.150	0.150	01/28/2022	ND	6.44	107	6.00	2.61	
Total BTX	<0.300	0.300	01/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	01/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2022	ND	196	98.0	200	8.76	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	202	101	200	3.34	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					

Surrogate: 1-Chlorooctane 91.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.7 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/24/2022
Reported: 01/31/2022
Project Name: JONES D #5
Project Number: 6-56
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 01/19/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SW - 2 (H220269-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2022	ND	2.13	107	2.00	4.69		
Toluene*	<0.050	0.050	01/28/2022	ND	2.19	110	2.00	0.630		
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	2.06	103	2.00	1.56		
Total Xylenes*	<0.150	0.150	01/28/2022	ND	6.44	107	6.00	2.61		
Total BTEX	<0.300	0.300	01/28/2022	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	01/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	199	99.7	200	2.75	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	195	97.5	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/24/2022
Reported: 01/31/2022
Project Name: JONES D #5
Project Number: 6-56
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 01/19/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SW - 3 (H220269-03)

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	01/27/2022	ND	2.01	100	2.00	6.47	
Toluene*	<0.050	0.050	01/27/2022	ND	1.94	97.2	2.00	6.05	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	1.91	95.5	2.00	6.21	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	5.80	96.7	6.00	4.44	
Total BTX	<0.300	0.300	01/27/2022	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	<16.0	16.0	01/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	199	99.7	200	2.75	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	195	97.5	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 94.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.8 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/24/2022
Reported: 01/31/2022
Project Name: JONES D #5
Project Number: 6-56
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 01/19/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SW - 4 (H220269-04)

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	01/27/2022	ND	2.01	100	2.00	6.47	
Toluene*	<0.050	0.050	01/27/2022	ND	1.94	97.2	2.00	6.05	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	1.91	95.5	2.00	6.21	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	5.80	96.7	6.00	4.44	
Total BTEX	<0.300	0.300	01/27/2022	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	01/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	199	99.7	200	2.75	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	195	97.5	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 98.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.6 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/24/2022
Reported: 01/31/2022
Project Name: JONES D #5
Project Number: 6-56
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 01/19/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S- 1 SURFACE (H220269-05)

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	01/27/2022	ND	2.01	100	2.00	6.47		
Toluene*	<0.050	0.050	01/27/2022	ND	1.94	97.2	2.00	6.05		
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	1.91	95.5	2.00	6.21		
Total Xylenes*	<0.150	0.150	01/27/2022	ND	5.80	96.7	6.00	4.44		
Total BTX	<0.300	0.300	01/27/2022	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	64.0	16.0	01/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	199	99.7	200	2.75	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	195	97.5	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 81.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.4 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/24/2022
Reported: 01/31/2022
Project Name: JONES D #5
Project Number: 6-56
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 01/19/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S- 2 SURFACE (H220269-06)

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	01/27/2022	ND	2.01	100	2.00	6.47		
Toluene*	<0.050	0.050	01/27/2022	ND	1.94	97.2	2.00	6.05		
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	1.91	95.5	2.00	6.21		
Total Xylenes*	<0.150	0.150	01/27/2022	ND	5.80	96.7	6.00	4.44		
Total BTEx	<0.300	0.300	01/27/2022	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	368	16.0	01/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	199	99.7	200	2.75	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	195	97.5	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 87.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.2 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/24/2022
Reported: 01/31/2022
Project Name: JONES D #5
Project Number: 6-56
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 01/19/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S- 2 2' (H220269-07)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2022	ND	2.01	100	2.00	6.47	
Toluene*	<0.050	0.050	01/27/2022	ND	1.94	97.2	2.00	6.05	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	1.91	95.5	2.00	6.21	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	5.80	96.7	6.00	4.44	
Total BTX	<0.300	0.300	01/27/2022	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	32.0	16.0	01/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	199	99.7	200	2.75	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	195	97.5	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 73.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 71.5 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/24/2022
Reported: 01/31/2022
Project Name: JONES D #5
Project Number: 6-56
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 01/19/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S- 3 SURFACE (H220269-08)

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	01/27/2022	ND	2.01	100	2.00	6.47		
Toluene*	<0.050	0.050	01/27/2022	ND	1.94	97.2	2.00	6.05		
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	1.91	95.5	2.00	6.21		
Total Xylenes*	<0.150	0.150	01/27/2022	ND	5.80	96.7	6.00	4.44		
Total BTX	<0.300	0.300	01/27/2022	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	320	16.0	01/27/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	199	99.7	200	2.75	
DRO >C10-C28*	10.2	10.0	01/28/2022	ND	195	97.5	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 78.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.2 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/24/2022
Reported: 01/31/2022
Project Name: JONES D #5
Project Number: 6-56
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 01/19/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S- 3 2' (H220269-09)

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	01/27/2022	ND	2.01	100	2.00	6.47	
Toluene*	<0.050	0.050	01/27/2022	ND	1.94	97.2	2.00	6.05	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	1.91	95.5	2.00	6.21	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	5.80	96.7	6.00	4.44	
Total BTX	<0.300	0.300	01/27/2022	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	01/27/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	199	99.7	200	2.75	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	195	97.5	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 83.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.3 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/24/2022
Reported: 01/31/2022
Project Name: JONES D #5
Project Number: 6-56
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 01/19/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S- 4 SURFACE (H220269-10)

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	01/27/2022	ND	2.01	100	2.00	6.47		
Toluene*	<0.050	0.050	01/27/2022	ND	1.94	97.2	2.00	6.05		
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	1.91	95.5	2.00	6.21		
Total Xylenes*	<0.150	0.150	01/27/2022	ND	5.80	96.7	6.00	4.44		
Total BTX	<0.300	0.300	01/27/2022	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	6640	16.0	01/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	199	99.7	200	2.75	
DRO >C10-C28*	10.4	10.0	01/28/2022	ND	195	97.5	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 88.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.3 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/24/2022
Reported: 01/31/2022
Project Name: JONES D #5
Project Number: 6-56
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 01/19/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S- 4 4' (H220269-11)

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	01/27/2022	ND	2.01	100	2.00	6.47		
Toluene*	<0.050	0.050	01/27/2022	ND	1.94	97.2	2.00	6.05		
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	1.91	95.5	2.00	6.21		
Total Xylenes*	<0.150	0.150	01/27/2022	ND	5.80	96.7	6.00	4.44		
Total BTX	<0.300	0.300	01/27/2022	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	<16.0	16.0	01/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	199	99.7	200	2.75	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	195	97.5	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 82.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.4 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/24/2022
Reported: 01/31/2022
Project Name: JONES D #5
Project Number: 6-56
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 01/19/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S- 5 SURFACE (H220269-12)

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	01/27/2022	ND	2.01	100	2.00	6.47		
Toluene*	<0.050	0.050	01/27/2022	ND	1.94	97.2	2.00	6.05		
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	1.91	95.5	2.00	6.21		
Total Xylenes*	<0.150	0.150	01/27/2022	ND	5.80	96.7	6.00	4.44		
Total BTX	<0.300	0.300	01/27/2022	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	01/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	199	99.7	200	2.75	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	195	97.5	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 88.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.1 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/24/2022
Reported: 01/31/2022
Project Name: JONES D #5
Project Number: 6-56
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 01/19/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S- 6 SURFACE (H220269-13)

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	01/27/2022	ND	2.01	100	2.00	6.47		
Toluene*	<0.050	0.050	01/27/2022	ND	1.94	97.2	2.00	6.05		
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	1.91	95.5	2.00	6.21		
Total Xylenes*	<0.150	0.150	01/27/2022	ND	5.80	96.7	6.00	4.44		
Total BTEx	<0.300	0.300	01/27/2022	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	<16.0	16.0	01/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	199	99.7	200	2.75	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	195	97.5	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 94.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.6 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/24/2022
Reported: 01/31/2022
Project Name: JONES D #5
Project Number: 6-56
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 01/19/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S- 7 SURFACE (H220269-14)

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	01/27/2022	ND	2.01	100	2.00	6.47		
Toluene*	<0.050	0.050	01/27/2022	ND	1.94	97.2	2.00	6.05		
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	1.91	95.5	2.00	6.21		
Total Xylenes*	<0.150	0.150	01/27/2022	ND	5.80	96.7	6.00	4.44		
Total BTX	<0.300	0.300	01/27/2022	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	<16.0	16.0	01/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	199	99.7	200	2.75	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	195	97.5	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 87.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.5 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

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				BILL TO				ANALYSIS REQUEST																			
Project Manager: Tom Bynum				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>TPH</div> <div>BTEX</div> <div>CHLORIDE</div> </div>																			
Address: 5614 N. Lovington Hwy				Company: <u>Spur</u>																							
City: Hobbs State: NM Zip: 88240				Attn:																							
Phone #: 575-964-7740 Fax #:				Address:																							
Project #: <u>6-56</u> Project Owner: <u>Spur</u>				City:																							
Project Name: <u>Jones D #5</u>				State: Zip:																							
Project Location: <u>Eddy County</u>				Phone #:																							
Sampler Name: <u>Ned Rogers</u>				Fax #:																							
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
<u>H220269</u>																											
1	SW-1	9				X				X			1/19/22	8:00	X	X	X										
2	SW-2													8:05													
3	SW-3													8:10													
4	SW-4													8:15													
5	S-1 Surface													8:20													
6	S-2 Surface													8:25													
7	S-2 2'													8:30													
8	S-3 Surface													8:35													
9	S-3 2'													8:40													
10	S-4 Surface													8:45													

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: <u>Ned Rogers</u>	Date: <u>1/24/22</u>	Received By: <u>Jodi Benson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: <u>16:00</u>			Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
Time:				
Delivered By: (Circle One) <u>0.92</u> <u>#113</u>	Sample Condition	CHECKED BY: <u>gta</u>		
Sampler - UPS - Bus - Other: <u>-1.5</u> <u>0.42</u>	Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

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

Bill To Spur



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				BILL TO				ANALYSIS REQUEST											
Project Manager: Tom Bynum				P.O. #:				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">C.Hloride</div> </div>											
Address: 5614 N. Lovington Hwy				Company: SPUR															
City: Hobbs State: NM Zip: 88240				Attn:															
Phone #: 575-964-7740 Fax #:				Address:															
Project #: 6-56 Project Owner: SPUR				City:															
Project Name: Jones D #5				State: Zip:															
Project Location: Eddy County				Phone #:															
Sampler Name: Ned Rogers				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			
H202169								X				X			1/19/22	8:50			
11 S-4 4'				G															
12 S-5 Surface																			
13 S-6 Surface																			
14 S-7 Surface																			

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: Ned Rogers	Date: 1/22/24	Received By: Godi Benson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 10:00		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One) D.92 D.42	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other: 15 #113	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) GB		
Bill To Spur				

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

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Jones D #5

Work Order: E206035

Job Number: 21068-0001

Received: 6/4/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/10/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/10/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Jones D #5
Workorder: E206035
Date Received: 6/4/2022 12:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/4/2022 12:00:00PM, under the Project Name: Jones D #5.

The analytical test results summarized in this report with the Project Name: Jones D #5 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Jones D #5	Reported: 06/10/22 16:17
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E206035-01A	Soil	06/03/22	06/04/22	Glass Jar, 4 oz.
NSW	E206035-02A	Soil	06/03/22	06/04/22	Glass Jar, 4 oz.
ESW	E206035-03A	Soil	06/03/22	06/04/22	Glass Jar, 4 oz.
SSW	E206035-04A	Soil	06/03/22	06/04/22	Glass Jar, 4 oz.
WSW	E206035-05A	Soil	06/03/22	06/04/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: Jones D #5
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
6/10/2022 4:17:44PM

CS1

E206035-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2224029	
Benzene	ND	0.0250	1	06/08/22	06/10/22	
Ethylbenzene	ND	0.0250	1	06/08/22	06/10/22	
Toluene	ND	0.0250	1	06/08/22	06/10/22	
o-Xylene	ND	0.0250	1	06/08/22	06/10/22	
p,m-Xylene	ND	0.0500	1	06/08/22	06/10/22	
Total Xylenes	ND	0.0250	1	06/08/22	06/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.6 %	70-130		06/08/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2224029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/22	06/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.6 %	70-130		06/08/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2224047	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/22	06/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/22	06/10/22	
<i>Surrogate: n-Nonane</i>						
	98.5 %	50-200		06/09/22	06/10/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2224034	
Chloride	ND	20.0	1	06/08/22	06/09/22	



Sample Data

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

Project Name: Jones D #5
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
6/10/2022 4:17:44PM

NSW

E206035-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2224029
Benzene	ND	0.0250	1	06/08/22	06/10/22	
Ethylbenzene	ND	0.0250	1	06/08/22	06/10/22	
Toluene	ND	0.0250	1	06/08/22	06/10/22	
o-Xylene	ND	0.0250	1	06/08/22	06/10/22	
p,m-Xylene	ND	0.0500	1	06/08/22	06/10/22	
Total Xylenes	ND	0.0250	1	06/08/22	06/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		06/08/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2224029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/22	06/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.2 %	70-130		06/08/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2224047
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/22	06/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/22	06/10/22	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		06/09/22	06/10/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2224034
Chloride	63.6	20.0	1	06/08/22	06/09/22	



Sample Data

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

Project Name: Jones D #5
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
6/10/2022 4:17:44PM

ESW

E206035-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2224029
Benzene	ND	0.0250	1	06/08/22	06/10/22	
Ethylbenzene	ND	0.0250	1	06/08/22	06/10/22	
Toluene	ND	0.0250	1	06/08/22	06/10/22	
o-Xylene	ND	0.0250	1	06/08/22	06/10/22	
p,m-Xylene	ND	0.0500	1	06/08/22	06/10/22	
Total Xylenes	ND	0.0250	1	06/08/22	06/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.8 %	70-130		06/08/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2224029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/22	06/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.6 %	70-130		06/08/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2224047
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/22	06/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/22	06/10/22	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		06/09/22	06/10/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2224034
Chloride	ND	20.0	1	06/08/22	06/09/22	



Sample Data

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

Project Name: Jones D #5
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
6/10/2022 4:17:44PM

SSW

E206035-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2224029
Benzene	ND	0.0250	1	06/08/22	06/10/22	
Ethylbenzene	ND	0.0250	1	06/08/22	06/10/22	
Toluene	ND	0.0250	1	06/08/22	06/10/22	
o-Xylene	ND	0.0250	1	06/08/22	06/10/22	
p,m-Xylene	ND	0.0500	1	06/08/22	06/10/22	
Total Xylenes	ND	0.0250	1	06/08/22	06/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.2 %	70-130		06/08/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2224029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/22	06/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.7 %	70-130		06/08/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2224047
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/22	06/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/22	06/10/22	
<i>Surrogate: n-Nonane</i>						
	99.3 %	50-200		06/09/22	06/10/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2224034
Chloride	ND	20.0	1	06/08/22	06/10/22	



Sample Data

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

Project Name: Jones D #5
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
6/10/2022 4:17:44PM

WSW

E206035-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2224029
Benzene	ND	0.0250	1	06/08/22	06/10/22	
Ethylbenzene	ND	0.0250	1	06/08/22	06/10/22	
Toluene	ND	0.0250	1	06/08/22	06/10/22	
o-Xylene	ND	0.0250	1	06/08/22	06/10/22	
p,m-Xylene	ND	0.0500	1	06/08/22	06/10/22	
Total Xylenes	ND	0.0250	1	06/08/22	06/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.8 %	70-130		06/08/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2224029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/22	06/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.3 %	70-130		06/08/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2224047
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/22	06/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/22	06/10/22	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		06/09/22	06/10/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2224034
Chloride	24.8	20.0	1	06/08/22	06/10/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jones D #5	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/10/2022 4:17:44PM

Volatile Organics by EPA 8021B

Analyst: IY

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

Blank (2224029-BLK1)

Prepared: 06/08/22 Analyzed: 06/10/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.7	70-130			

LCS (2224029-BS1)

Prepared: 06/08/22 Analyzed: 06/10/22

Benzene	5.20	0.0250	5.00		104	70-130			
Ethylbenzene	4.72	0.0250	5.00		94.5	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
o-Xylene	4.90	0.0250	5.00		98.0	70-130			
p,m-Xylene	9.74	0.0500	10.0		97.4	70-130			
Total Xylenes	14.6	0.0250	15.0		97.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.8	70-130			

LCS Dup (2224029-BSD1)

Prepared: 06/08/22 Analyzed: 06/10/22

Benzene	5.14	0.0250	5.00		103	70-130	1.24	20	
Ethylbenzene	4.67	0.0250	5.00		93.4	70-130	1.20	20	
Toluene	4.95	0.0250	5.00		99.1	70-130	1.20	20	
o-Xylene	4.84	0.0250	5.00		96.7	70-130	1.30	20	
p,m-Xylene	9.62	0.0500	10.0		96.2	70-130	1.24	20	
Total Xylenes	14.5	0.0250	15.0		96.4	70-130	1.26	20	
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jones D #5	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/10/2022 4:17:44PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

Blank (2224029-BLK1)

Prepared: 06/08/22 Analyzed: 06/10/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.6	70-130			

LCS (2224029-BS2)

Prepared: 06/08/22 Analyzed: 06/10/22

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			

LCS Dup (2224029-BSD2)

Prepared: 06/08/22 Analyzed: 06/10/22

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.5	70-130	1.94	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jones D #5	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/10/2022 4:17:44PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2224047-BLK1)

Prepared: 06/09/22 Analyzed: 06/10/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.0		50.0		99.9	50-200			

LCS (2224047-BS1)

Prepared: 06/09/22 Analyzed: 06/10/22

Diesel Range Organics (C10-C28)	488	25.0	500		97.6	38-132			
Surrogate: n-Nonane	47.9		50.0		95.8	50-200			

Matrix Spike (2224047-MS1)

Source: E206045-01

Prepared: 06/09/22 Analyzed: 06/10/22

Diesel Range Organics (C10-C28)	564	25.0	500	32.9	106	38-132			
Surrogate: n-Nonane	42.0		50.0		84.0	50-200			

Matrix Spike Dup (2224047-MSD1)

Source: E206045-01

Prepared: 06/09/22 Analyzed: 06/10/22

Diesel Range Organics (C10-C28)	521	25.0	500	32.9	97.6	38-132	7.98	20	
Surrogate: n-Nonane	37.0		50.0		74.0	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jones D #5	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/10/2022 4:17:44PM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2224034-BLK1)

Prepared: 06/08/22 Analyzed: 06/09/22

Chloride	ND	20.0
----------	----	------

LCS (2224034-BS1)

Prepared: 06/08/22 Analyzed: 06/10/22

Chloride	253	20.0	250	101	90-110
----------	-----	------	-----	-----	--------

Matrix Spike (2224034-MS1)

Source: E206032-01

Prepared: 06/08/22 Analyzed: 06/09/22

Chloride	291	200	250	ND	116	80-120
----------	-----	-----	-----	----	-----	--------

Matrix Spike Dup (2224034-MSD1)

Source: E206032-01

Prepared: 06/08/22 Analyzed: 06/09/22

Chloride	256	200	250	ND	102	80-120	12.7	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:	Jones D #5	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/10/22 16:17

- 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.





Envirotech Analytical Laboratory

Printed: 6/7/2022 11:41:46AM

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:	06/04/22 12:00	Work Order ID:	E206035
Phone:	(575) 631-6977	Date Logged In:	06/06/22 10:01	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	06/10/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 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: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 117649

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 117649
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please note the incident should have been addressed within 90 days of the release, and not 4+ years after.	8/29/2022