JG STATE #001 BATTERY
CLOSURE REQUEST

API NO. 30-025-39816
U/L N, SECTION 16, TOWNSHIP 17S, RANGE 32E
LEA COUNTY, NEW MEXICO
RELEASE DATE: 6/13/2020
INCIDENT NO. NRM2017041629

May 27, 2021

PREPARED BY:

7 COMPRESS ROAD
ARTESIA, NM 88210

May 27, 2021

New Mexico Energy, Minerals & Natural Resources
NMOCD District I
C/O Mike Bratcher, Robert Hamlet & Christina Eads
811 S. First Street
Artesia, NM 88210

Spur Energy Partners
C/O Braidy Moulder and Dakota Neel
920 Memorial City Way, Suite 1000
Houston, TX 77024

Subject: Closure Request for Spur Energy Partners – JG State #001 Battery

API No. 30-025-39816
Incident No. NRM2017041629
U/L N, Section 16, Township 17S, Range 32A
Lea County, New Mexico

To Whom it May Concern:

Spur Energy Partners retained Energy Staffing Services, LLC (ESS) to conduct a spill assessment for the JG State #1 Battery (hereafter referred to as the "JG State") for the produced water release that occurred on June 13, 2020. Spur Energy provided the immediate notification of the release to the New Mexico Oil Conservation Division (NMOCD) District I and II Office, via email on June 15, 2020 at 2:30pm. (notification attached). On behalf of Spur Energy partners, ESS submitted the initial C141 Release Notification (attached) on June 16, 2020. The NMOCD Incident ID Number assigned to this release is NRM2017041629.

This report provides a detailed description of the spill assessment and remedial activities, which demonstrates that the closure criteria has been established in the 19.15.29.12 *New Mexico Administrative Code (NMAC: New Mexico Oil Conservation Division, 2018)* have been met and all applicable regulations have been followed. This document is intended to serve as the final report to obtain approval from the NMOCD for the closure/deferral of this release.

Incident Description

Sometime on or before June 13, 2020, a release was found and had occurred due to the filter pot had leaked causing the fluid to be released inside the lined containment. It was originally reported as an unlined containment but upon work commencement and removal of pea gravel, the containment was lined with a polyurethane liner. It was estimated that 10bbls of produced water was released and no fluid was recovered. No fluid was released onto the pad, pasture or waterway.

Site Characterization

The release at the JG State #001 occurred on state owned land and is located at 32.8283081 - 103.7735443, 2.02 miles southwest of Maljamar, New Mexico in Lea County. The legal description of the site is Unit Letter N, Section 16, Township 17S, Range 32E. A site schematic is included in this report.

The JG State #001 consists of oil and gas production equipment and is contained in a lined containment, by a nearby oil and gas exploration well and on a production well-pad. The elevation is 4,041 ft.

The United States Department of Agriculture Natural Resources Conservation Services indicates that the soil type found in the area consists of Kermit Soils and Dune Land, with 0 to 12 percent slopes. Please also find the Soil Map attached.

There is "low potential" for Karst Geology to be present near the JG State according to the *United States Department of the Interior, Bureau of Land Management.* Please find the Karst Map attached herein.

No surface water is located on the JG State site. There are no continuously flowing watercourses, lakebeds, sinkholes, playa lakes or other critical or community features at the JG State, as outlined in *Paragraph (4) of Subsection C of 19.15.29.12 NMAC.*

The nearest recent water well to the site according to the *New Mexico Office of the State Engineer* is RA 12521 POD, which is 1681' from the site and was drilled in 2017, with groundwater of 92'bgs. The next closest well to the site is RA 12042 POD1, which is 1741' from the site and was drilled in 2013, with no viable groundwater data available. Please find the groundwater data and map from the NMOSE wells attached herein. An extended groundwater search was conducted using the *OSE POD Location Mapping System* and it has been determined that there is no other groundwater data available within a ½ mile from the site. Please find the documentation attached.

Closure Criteria Determination

The Closure Criteria for Soils Impacted by a Release is shown below, based n groundwater depth of 92'bgs, with no water data located within ½ a mile from the release point, being on state land and in a low karst area, the site would fall under the 51-100' depth to groundwater category. Please see the chart below:

DGW	Constituent	Method	Limit
51'-100'	Chloride	EPA 300.0 OR SM4500 CLB	10,000 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 METHOD 8015M	2,500 mg/kg
	GRO + DRO	EPA SW-846 METHOD 8015M	1,000 mg/kg
	BTEX	EPA SW-846 METHOD 8021B OR 8260B	50 mg/kg
	Benzene	EPA SW-846 METHOD 8021B OR 8260B	10 mg/kg

Soil Remediation Action Levels

ESS has provided sufficient data that this produced water release has impacted the soil at the Harper State and that the protocol is consistent with the remediation/abatement goals and objectives set forth in the NMOCD Closure Criteria for Soils Impacted by a Release, dated August 14, 2018.

The guidance document provides direction for Spur Energy's initial response actions, site assessment, sampling procedures conducted by ESS Staff, we would like to present to you the following information concerning the delineation process for the release detailed herein.

Soil Sampling Procedures

Soil sampling for laboratory analysis was conducted according to the NMOCD – approved industry standards. Accepted NMOCD soil sampling procedures and laboratory analytical methods are as follows:

- Collect clean samples in air tight glass jars supplied by the laboratory to conduct the analysis
- Each sample jar was labelled with site and sample information
- Samples were kept in and stored in a cool place and packed on ice
- Promptly ship sample to the lab for analysis following the chain of custody procedures

The following lab analysis method was used for each bottom hole and side wall sample submitted to Envirotech Analytical Laboratory:

Volatile Organics by EPA 8021B
- Benzene, Toluene, Ethylbenzene, p.m. Xylene, o-Xylene and Total Xylenes

Nonhalogenated Organics by EPA 8015D – GRO
- Gasoline Range Organics (C6-C10)

Nonhalogenated Organics by EPA 8015D – DRO/ORO
- Diesel Range Organics (C10-C28)
- Oil Range Organics (C28-C40)

Anions by EPA 300.0/9056A
- Chloride

Release Investigation Data Evaluation

On June 15th, 2020 ESS was dispatched out to the JG State to complete a site assessment. Initial Photos were taken of the release which was contained inside the lined facility. It was observed at that time that the there was pea gravel and caliche on top of the liner and it would require removal before a liner inspection could be conducted. Due to the size of release, not all of the material was cleared from the liner due to the large size of the secondary containment. On June 19th, crews began to remove the material from the liner area, stockpiling on plastic to later be hauled to Lea Land Disposal. A total of 56 cubic yards of material was hauled to disposal. Please note that only the impacted area was cleared.

On September 4th, 2020 ESS notified the NMOCD by email, that sampling would be conducted under the exposed area of the liner. Please find the email attached herein. On September 9th, 2020 ESS arrived at the site to sample under the liner. Three areas of the liner were cut in 1'x 1' squares. Sampling was conducted by use of hand auger in 1' intervals. Sample crews field tested for chlorides using the titration method and checked for volatiles in the soil by use of a PID Meter. Each of the three sample points were delineated to 5'bgs and the only depths found to have any contaminants were directly under the liner, labeled as surface. These samples were well under the concentration thresholds and it was determined to patch the sample areas and repair the liner. A background sample was also gathered from the pasture area. Spur Energy opted to not cover the area with any further material at this time. Each bottom hole sample was jarred and delivered to Envirotech Laboratories for confirmation. The samples confirmed with laboratory analysis on the liner sampling procedure were well below the closure criteria for this site. Please find the sample data below and also is attached herein:

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	SURFACE	2400							
	1'	320							
	2'	320							
	3'	320							
	4'	320							
	5'	240		ND	ND	ND	ND	ND	ND
SP2	SURFACE	1200							
	1'	400							
	2'	400							
	3'	400							
	4'	400							
	5'	320		ND	ND	ND	ND	ND	359
SP3	SURFACE	800							
	1'	560							
	2'	400							
	3'	400							
	4'	320							
	5'	160		ND	ND	ND	ND	ND	86
BG		160		ND	ND	ND	ND	ND	ND

Closure Request

ESS recommends and requests that this site be closed as there is no potential for groundwater contamination, danger to the environment or wildlife due to this release in the lined facility containment of the JG State #001 Battery. Spur Energy Partners and Energy Staffing Services certifies that all of the information provided and that is detailed in this report, is correct and we have complied with all applicable closure requirements for the release that occurred on the JG State #001 Battery.

After review of this report if you have any questions or concerns, please do not hesitate to contact the undersigned at 575-390-6397 or natalie@energystaffingllc.com.

Sincerely,

Natalie Gladden

Director of Environmental and Regulatory Services
Energy Staffing Services, LLC.
#7 Compress Rd
Artesia, NM 88210
Cell: 575-390-6397
Email: natalie@energystaffingllc.com

Attachments:

- Initial Email Notification
- Initial C141
- Site Map
- Soil Map
- Karst Map
- Groundwater Data and Map
- OSE GW Map
- Liner Sampling Notification
- Sample Data
- Lab Analysis
- Site Photos
- Final C141

natalie@energystaffingllc.com

From: Kenny Kidd <kkidd@spurepllc.com>
Sent: Monday, June 15, 2020 9:48 AM
To: Venegas, Victoria, EMNRD; Hamlet, Robert, EMNRD; Bratcher, Mike, EMNRD
Cc: Todd Mucha; Seth Ireland; Jerry Mathews; Braidy Moulder; Sarah Chapman; Susan Lopez; natalie@energystaffingllc.com
Subject: JG STATE #001 Battery

June 13, 2020, at around 2:30 P.M.
We had a filter pot leak at JG 1 Battery.
Everything stayed in side the berm and this Battery does not have a liner.
Estimated we spilled 10 bbls, none recovered.

We will have an environmental company coming out to look at this spill.

If you have any question please give me a call.

JG STATE #001
Sec. N-16-17S-32E 350 FSL 2010 FWL
Lat/Long: 32.8283081,-103.7735443 NAD83
API 30-025-39816

Thanks,

Kenny Kidd
Assistant Production Superintendent
Office 575-616-5400
Cell 575-390-9254

SPUR ENERGY PARTNERS

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party **SPUR ENERGY PARTNERS**	OGRID **328947**
Contact Name **KENNY KIDD**	Contact Telephone **575-616-5400**
Contact email **kkidd@spurepllc.com**	Incident # *(assigned by OCD)*
Contact mailing address **919 MILAM STREET SUITE 2475 HOUSTON, TX 77002**	

Location of Release Source

Latitude **32.8283081** Longitude **-103.7735443**
(NAD 83 in decimal degrees to 5 decimal places)

Site Name **JG STATE #001**	Site Type **PRODUCTION**
Date Release Discovered **6-13-2020**	API# *(if applicable)* ***30-025-39816***

Unit Letter	Section	Township	Range	County
N	**16**	**17S**	**32E**	**LEA**

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbl) **10BBLS**	Volume Recovered (bbls) **0BBLS**
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

THE FILTER POT LEAKED CAUSING THE FLUID TO BE RELEASED INSIDE THE UNLINED CONTAINMENT.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? **AN EMAIL WAS SENT TO THE NMOCD ON 6/15/2020 AT 9:48 AM.**	

Initial Response

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

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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

Printed Name: **NATALIE GLADDEN** Title: **DIRECTOR OF ENVIRONMENTAL AND REGULATORY SERVICES**

Signature: Natalie Gladden Date: **6.16.2020**

email: **natalie@energystaffingllc.com** Telephone: **575-390-6397**

OCD Only

Received by: _____ Date: _____

SPUR ENERGY PARTNERS

JG STATE #001 BATTERY
SITE MAP
DOR: 6-13-2020

Legend

JG STATE #001

Soil Map—Lea County, New Mexico
(JG STATE #001 BATTERY)

Soil Map—Lea County, New Mexico
(JG STATE #001 BATTERY)

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 17, Jun 8, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

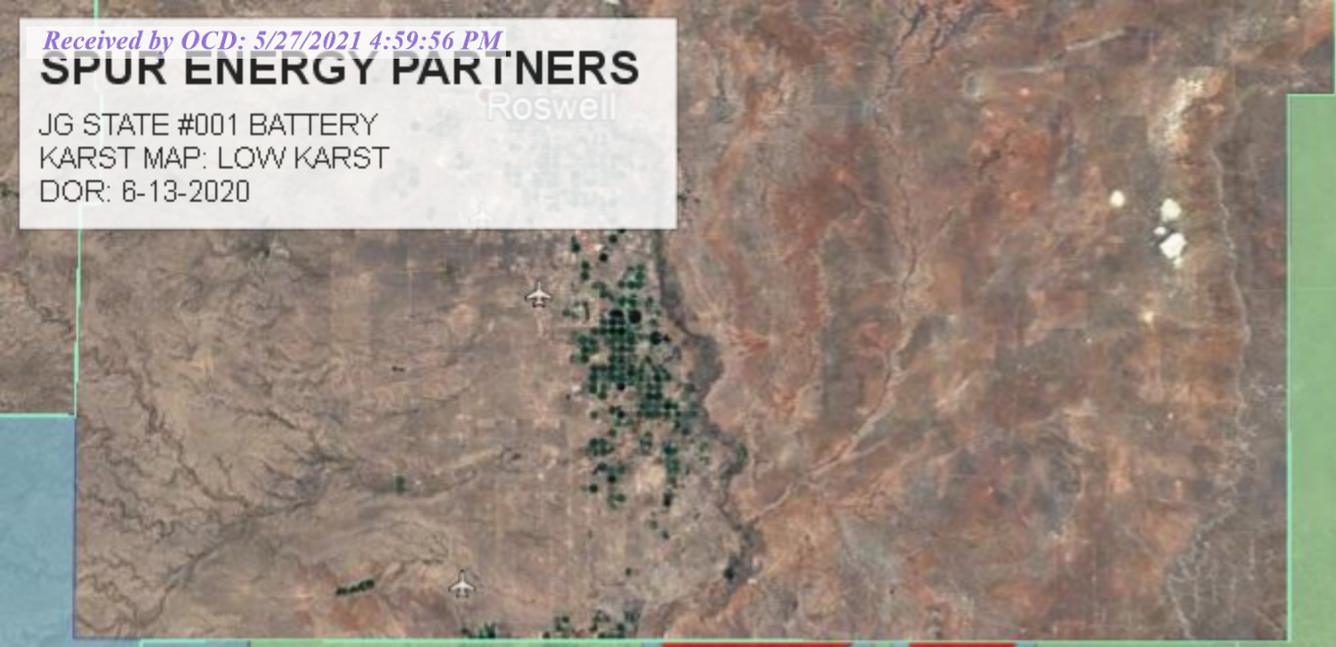
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KM	Kermit soils and Dune land, 0 to 12 percent slopes	4.6	100.0%
Totals for Area of Interest		**4.6**	**100.0%**

SPUR ENERGY PARTNERS

JG STATE #001 BATTERY
KARST MAP: LOW KARST
DOR: 6-13-2020



Legend
- 0
- High
- JG STATE #001
- Low
- Medium

Artesia

JG STATE #001

Carlsbad

Google Earth

30 mi

N

New Mexico Office of the State Engineer

Wells with Well Log Information

No wells found.

UTMNAD83 Radius Search (in meters):

Easting (X): 614794.5 **Northing (Y):** 3632919.54 **Radius:** 1000

New Mexico Office of the State Engineer
Wells with Well Log Information

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

(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 Subbasin	County	Source	q 64	q 16	q 4	Sec	Twn	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
RA 12521 POD1		RA	LE	Shallow	3	3	4	21	17S	32E	615127	3631271	1681	07/21/2017	07/26/2017	08/22/2017	105	92	WHITE, JOHN W	1456
RA 12042 POD1		RA	LE		2	2	1	28	17S	32E	614891	3631181	1741	11/13/2013	11/22/2013	12/12/2013	400		CRASS, DARRELL (LD)	1261
RA 12522 POD1		RA	LE	Shallow	3	3	4	21	17S	32E	614941	3631122	1803	07/25/2017	07/26/2017	08/22/2017	100		WHITE, JOHN W	1456
RA 12522 POD2		RA	LE	Shallow	2	2	1	28	17S	32E	614949	3631098	1827	07/24/2017	07/26/2017	08/22/2017	100		WHITE, JOHN W	1456
RA 12522 POD3		RA	LE	Shallow	4	4	3	28	17S	32E	614980	3631093	1835	07/20/2017	07/26/2017	08/22/2017	100		WHITE, JOHN W	1456
RA 10175		RA	LE	Shallow		2	1	28	17S	32E	614814	3631005*	1914	02/04/2002	02/04/2002	03/06/2002	158		EADES, ALAN	1044
RA 12020 POD3		RA	LE	Shallow	2	1	2	28	17S	32E	615152	3631019	1933	07/13/2015	07/15/2015	08/10/2015	112	83	WHITE, JOHN W	1456
RA 12020 POD1		RA	LE	Shallow	2	2	1	28	17S	32E	614828	3630954	1965	09/24/2013	09/25/2013	10/07/2013	120	81	WHITE, JOHN (LD)	1456
RA 12721 POD2		RA	LE	Shallow	1	1	4	28	17S	32E	615055	3630407	2525	04/18/2019	04/19/2019	05/15/2019	124	75	JOHN W WHITE	1456
RA 12721 POD1		RA	LE		3	2	3	28	17S	32E	614645	3630141	2781	04/18/2019	04/19/2019	05/15/2019	125		JOHN W WHITE	1456
RA 12721 POD3		RA	LE	Shallow	2	3	4	28	17S	32E	615417	3629979	3004	04/18/2019	04/19/2019	05/15/2019	115		JOHN W WHITE	1456
RA 12721 POD5		RA	LE	Shallow	2	4	4	28	17S	32E	615650	3629961	3078	04/27/2020	04/28/2020	05/18/2020	130	124	WHITE, JOHNNOWN.GENER	1456
RA 08855		RA	LE		4	1	1	10	17S	32E	616061	3635742*	3093	07/28/1994	08/04/1994	08/10/1994	158		J & K DRILLING	1235
RA 12721 POD4		RA	LE		1	1	2	33	17S	32E	615055	3629589	3340	04/18/2019	04/19/2019	05/15/2019	140		JOHN W WHITE	1456
L 13050 POD1		L	LE	Shallow	2	2	1	10	17S	32E	616463	3635945*	3455	12/23/1961	01/01/1962	01/18/1962	156	132	ALDREDGE, C.O.	79
RA 12436 POD1		RA	LE	Shallow	2	2	1	10	17S	32E	616556	3635929	3487	01/04/2017	01/09/2017	01/13/2017	160	125	TAYLOR, ROY A.	1626
RA 12721 POD6		RA	LE		1	2	2	33	17S	32E	615530	3629431	3565	04/28/2020	04/28/2020	05/18/2020	130		WHITE, JOHNNOWN.GENER	1456
RA 12721 POD7		RA	LE		1	3	2	33	17S	32E	615064	3629198	3730	04/28/2020	04/28/2020	05/18/2020	130		WHITE, JOHNNOWN.GENER	1456
L 04021 POD3		L	LE	Shallow		3	4	03	17S	32E	616761	3636252*	3869	07/28/1999	07/28/1999	08/30/1999	247		ALAN EADES	1044
L 13047 POD1		L	LE					11	17S	32E	618187	3635254*	4118		09/10/1947	01/13/1959	140		BURKE	
L 04021 S		L	LE	Shallow	2	4	4	03	17S	32E	617262	3636354*	4228	01/21/2002	01/24/2002	02/05/2002	260		ALAN EADES	1044
RA 11911 POD1		RA	LE	Shallow	1	3	1	24	17S	32E	619192	3632296	4440	06/11/2013	06/11/2013	06/21/2013	35		NORRIS, JOHN D. (LD)	1682

Record Count: 22

UTMNAD83 Radius Search (in meters):

Easting (X): 614794.5 **Northing (Y):** 3632919.54 **Radius:** 5000

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 12521 POD1	3	3	4	21	17S	32E	615127	3631271

Driller License:	1456	**Driller Company:**	WHITE DRILLING COMPANY		
Driller Name:	WHITE, JOHN W				
Drill Start Date:	07/21/2017	**Drill Finish Date:**	07/26/2017	**Plug Date:**	
Log File Date:	08/22/2017	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	2.00	**Depth Well:**	105 feet	**Depth Water:**	92 feet

Water Bearing Stratifications:	Top	Bottom	Description
	85	101	Sandstone/Gravel/Conglomerate
	101	105	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	75	105

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	RA 12042 POD1	2	2	1	28	17S	32E	614891	3631181

Driller License:	1261	**Driller Company:**	DARRELL CRASS DRILLING CO., INC		
Driller Name:	CRASS, DARRELL (LD)				
Drill Start Date:	11/13/2013	**Drill Finish Date:**	11/22/2013	**Plug Date:**	
Log File Date:	12/12/2013	**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	10.00	**Depth Well:**	400 feet	**Depth Water:**	

Water Bearing Stratifications:	Top	Bottom	Description
	10	30	Sandstone/Gravel/Conglomerate

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 12522 POD1	3	3	4	21	17S	32E	614941	3631122

Driller License:	1456	**Driller Company:**	WHITE DRILLING COMPANY		
Driller Name:	WHITE, JOHN W				
Drill Start Date:	07/25/2017	**Drill Finish Date:**	07/26/2017	**Plug Date:**	
Log File Date:	08/22/2017	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	4.00	**Depth Well:**	100 feet	**Depth Water:**	

Water Bearing Stratifications:	Top	Bottom	Description
	78	86	Sandstone/Gravel/Conglomerate
	86	97	Sandstone/Gravel/Conglomerate
	97	100	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	70	100

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	RA 12522 POD2	2	2	1	28	17S	32E	614949	3631098

Driller License:	1456	**Driller Company:**	WHITE DRILLING COMPANY		
Driller Name:	WHITE, JOHN W				
Drill Start Date:	07/24/2017	**Drill Finish Date:**	07/26/2017	**Plug Date:**	
Log File Date:	08/22/2017	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	4.00	**Depth Well:**	100 feet	**Depth Water:**	

Water Bearing Stratifications:	Top	Bottom	Description
	80	90	Sandstone/Gravel/Conglomerate
	90	96	Sandstone/Gravel/Conglomerate
	96	97	Sandstone/Gravel/Conglomerate
	97	100	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	70	100

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	RA 12522 POD3	4	4	3	28	17S	32E	614980	3631093

Driller License:	1456	**Driller Company:**	WHITE DRILLING COMPANY		
Driller Name:	WHITE, JOHN W				
Drill Start Date:	07/20/2017	**Drill Finish Date:**	07/26/2017	**Plug Date:**	
Log File Date:	08/22/2017	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	4.00	**Depth Well:**	100 feet	**Depth Water:**	

Water Bearing Stratifications:	Top	Bottom	Description
	82	93	Sandstone/Gravel/Conglomerate
	93	97	Sandstone/Gravel/Conglomerate
	97	99	Sandstone/Gravel/Conglomerate
	99	100	Shale/Mudstone/Siltstone

Casing Perforations:	Top	Bottom
	70	100

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	RA 10175		2	1	28	17S	32E	614814	3631005*

(quarters are smallest to largest)

Driller License:	1044	**Driller Company:**	EADES WELL DRILLING & PUMP SERVICE		
Driller Name:	EADES, ALAN				
Drill Start Date:	02/04/2002	**Drill Finish Date:**	02/04/2002	**Plug Date:**	
Log File Date:	03/06/2002	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	5.75	**Depth Well:**	158 feet	**Depth Water:**	

Water Bearing Stratifications:	Top	Bottom	Description
	87	89	Shallow Alluvium/Basin Fill
	89	116	Shallow Alluvium/Basin Fill
	116	124	Shallow Alluvium/Basin Fill

Casing Perforations:	Top	Bottom
	118	158

Meter Number:	5380	**Meter Make:**	SENSUS
Meter Serial Number:	560656282	**Meter Multiplier:**	10.0000
Number of Dials:	6	**Meter Type:**	Diversion
Unit of Measure:	Gallons	**Return Flow Percent:**	
Usage Multiplier:		**Reading Frequency:**	Monthly (No Reading Expected)

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
03/20/2002	2002	0	A	RPT		0
05/06/2002	2002	170	A	RPT		0.005
02/13/2003	2002	2410	A	PRT		0.069
02/01/2005	2004	3420	A	ch		0.031

**YTD Meter Amounts:	Year	Amount
	2002	0.074
	2004	0.031

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 12020 POD1	2	2	1	28	17S	32E	614828	3630954

Driller License: 1456 **Driller Company:** WHITE DRILLING COMPANY
Driller Name: WHITE, JOHN (LD)

Drill Start Date: 09/24/2013 **Drill Finish Date:** 09/25/2013 **Plug Date:**
Log File Date: 10/07/2013 **PCW Rcv Date:** **Source:** Shallow
Pump Type: **Pipe Discharge Size:** **Estimated Yield:**
Casing Size: 2.00 **Depth Well:** 120 feet **Depth Water:** 81 feet

Water Bearing Stratifications:	Top	Bottom	Description
	70	111	Sandstone/Gravel/Conglomerate
	111	120	Shale/Mudstone/Siltstone

Casing Perforations:	Top	Bottom
	75	110

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 12020 POD3	2	1	2	28	17S	32E	615152	3631019

Driller License:	1456	**Driller Company:**	WHITE DRILLING COMPANY		
Driller Name:	WHITE, JOHN W				
Drill Start Date:	07/13/2015	**Drill Finish Date:**	07/15/2015	**Plug Date:**	
Log File Date:	08/10/2015	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	2.00	**Depth Well:**	112 feet	**Depth Water:**	83 feet

Water Bearing Stratifications:	Top	Bottom	Description
	70	96	Sandstone/Gravel/Conglomerate
	96	97	Sandstone/Gravel/Conglomerate
	97	101	Shale/Mudstone/Siltstone

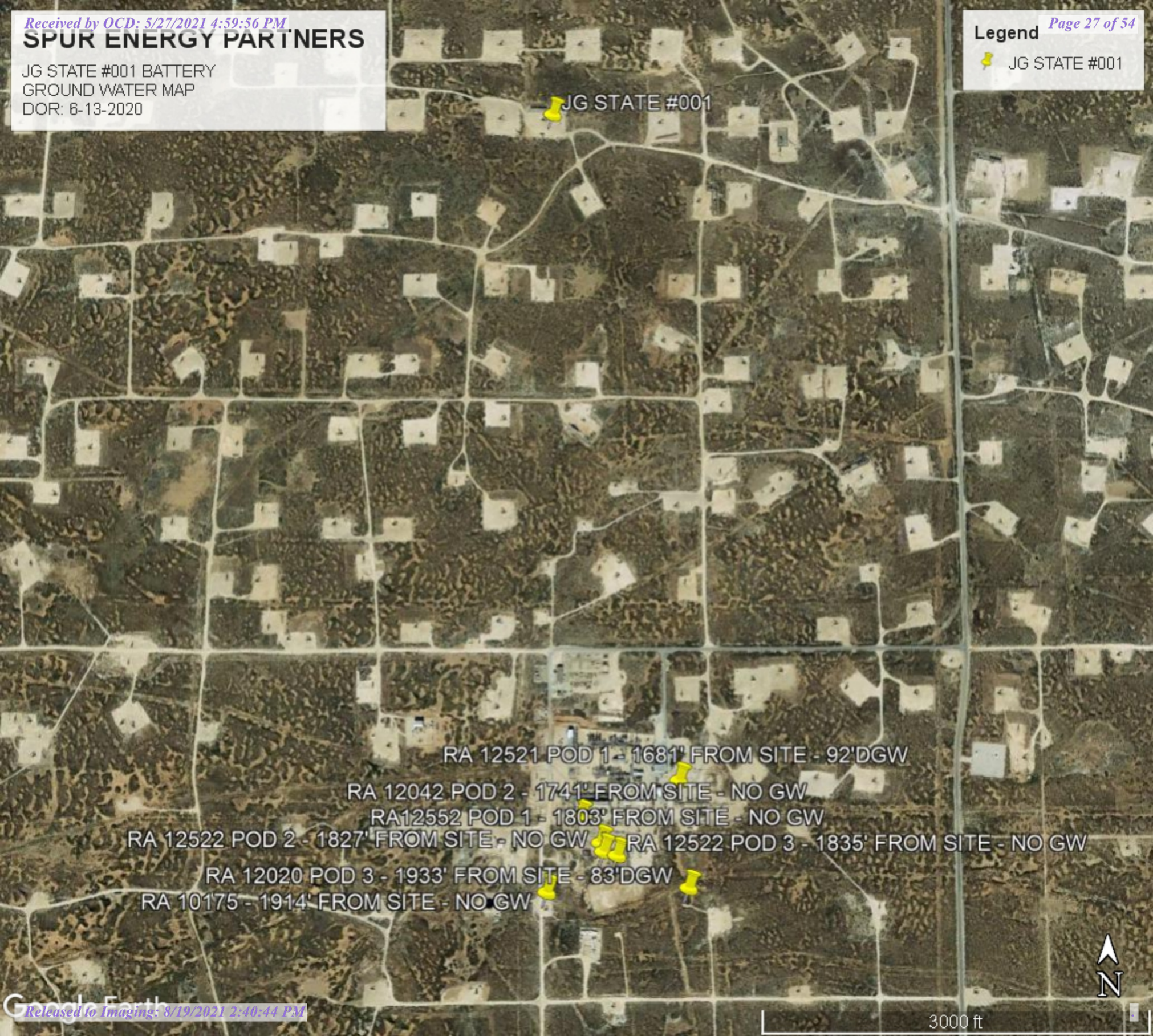
Casing Perforations:	Top	Bottom
	73	108

SPUR ENERGY PARTNERS

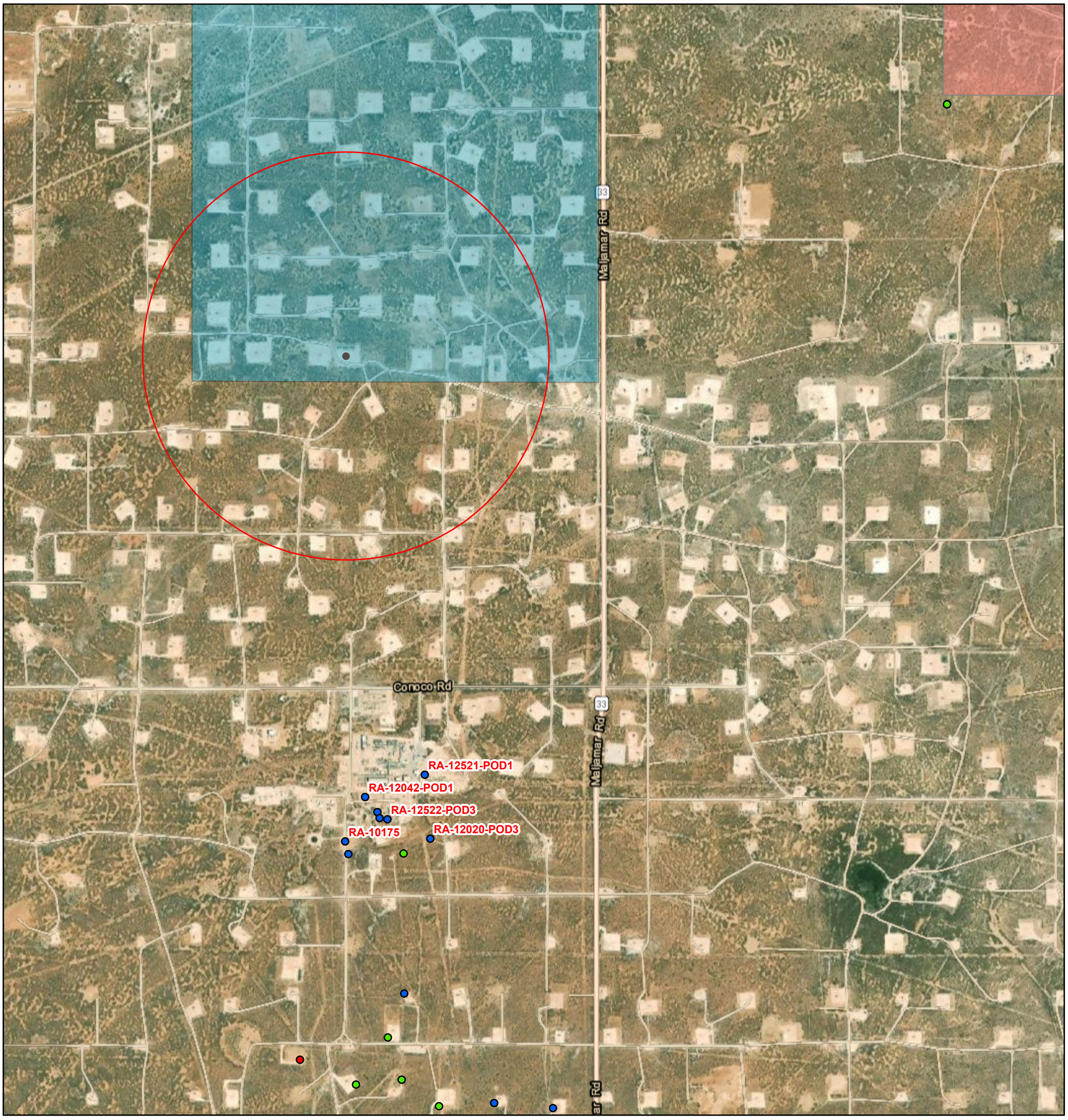
JG STATE #001 BATTERY
GROUND WATER MAP
DOR: 6-13-2020

Legend

JG STATE #001



OSE PUBLIC PRINT



5/27/2021, 3:24:42 PM

GIS WATERS PODs

- Active
- Pending
- Plugged
- OSE District Boundary

Water Right Regulations

- Critical Management Area - Guidelines

New Mexico State Trust Lands

- Both Estates
- SiteBoundaries

1:18,056

0 0.17 0.35 0.7 mi

0 0.28 0.55 1.1 km

Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar

Printed from Public Web Map
Unofficial Map from OSE POD Locations Web Application

natalie@energystaffingllc.com

From: natalie@energystaffingllc.com
Sent: Friday, September 4, 2020 10:03 AM
To: 'Bratcher, Mike, EMNRD'; 'Hamlet, Robert, EMNRD'; 'Venegas, Victoria, EMNRD'; 'Eads, Cristina, EMNRD'
Cc: 'Braidy Moulder'
Subject: SPUR - JG State #1 under liner sampling

Importance: High

All,

ESS will be out starting Tuesday to conduct sampling under the liner for the JG State #1 due to the compromised liner. Please let me know if anyone will be attending so it can be scheduled.

This is for the date of release of 6/13/2020.

Thank you for your time in this matter,

Natalie Gladden

Director Of Environmental and Regulatory Services
Energy Staffing Services, LLC.
#7 Compress Rd
Artesia, NM 88210
Cell: 575-390-6397
Email: natalie@energystaffingllc.com

Company Name: SPUR ENERGY **Location Name:** J G STATE #1 **Release Date:** 6/13/2020

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
SP1	SURFACE	2400									
	1'	320									
	2'	320									
	3'	320									
	4'	320									
	5'	240		ND	ND	ND	ND	ND	ND		
SP2	SURFACE	1200									
	1'	400									
	2'	400									
	3'	400									
	4'	400									
	5'	320		ND	ND	ND	ND	ND	359		
SP3	SURFACE	800									
	1'	560									
	2'	400									
	3'	400									
	4'	320									
	5'	160		ND	ND	ND	ND	ND	86		
BG		160		ND	ND	ND	ND	ND	ND		

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Analytical Laboratory

Analytical Report

Report Summary

Client: Spur

Samples Received: 9/10/2020

Job Number: 20046-0001

Work Order: P009046

Project Name/Location: JG State #1

Report Reviewed By: Walter Hinchman Date: 9/11/20

Walter Hinchman, Laboratory Director

NELAP ACCREDITED TNI LABORATORY

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted 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 NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.

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Analytical Laboratory

Spur	Project Name:	JG State #1	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Brady Moulder	09/11/20 15:05

Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Background	P009046-01A	Soil	09/08/20	09/10/20	Glass Jar, 4 oz.
SP1-5'	P009046-02A	Soil	09/08/20	09/10/20	Glass Jar, 4 oz.
SP2-5'	P009046-03A	Soil	09/08/20	09/10/20	Glass Jar, 4 oz.
SP3-5'	P009046-04A	Soil	09/08/20	09/10/20	Glass Jar, 4 oz.

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Analytical Laboratory

Spur	Project Name:	JG State #1	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Brady Moulder	09/11/20 15:05

Background
P009046-01 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2037019
Benzene	ND	0.0250	1	09/10/20	09/10/20		
Toluene	ND	0.0250	1	09/10/20	09/10/20		
Ethylbenzene	ND	0.0250	1	09/10/20	09/10/20		
p,m-Xylene	ND	0.0500	1	09/10/20	09/10/20		
o-Xylene	ND	0.0250	1	09/10/20	09/10/20		
Total Xylenes	ND	0.0250	1	09/10/20	09/10/20		
Surrogate: 4-Bromochlorobenzene-PID		*95.0 %*	*50-150*	*09/10/20*	*09/10/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2037019
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/20	09/10/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.9 %*	*50-150*	*09/10/20*	*09/10/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2037021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/20	09/10/20		
Oil Range Organics (C28-C40)	ND	50.0	1	09/10/20	09/10/20		
Surrogate: n-Nonane		*94.0 %*	*50-200*	*09/10/20*	*09/10/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2037020
Chloride	ND	20.0	1	09/10/20	09/10/20		

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Analytical Laboratory

Spur	Project Name:	JG State #1	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Brady Moulder	09/11/20 15:05

SP1-5'
P009046-02 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2037019
Benzene	ND	0.0250	1	09/10/20	09/10/20		
Toluene	ND	0.0250	1	09/10/20	09/10/20		
Ethylbenzene	ND	0.0250	1	09/10/20	09/10/20		
p,m-Xylene	ND	0.0500	1	09/10/20	09/10/20		
o-Xylene	ND	0.0250	1	09/10/20	09/10/20		
Total Xylenes	ND	0.0250	1	09/10/20	09/10/20		
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*50-150*	*09/10/20*	*09/10/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2037019
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/20	09/10/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.9 %*	*50-150*	*09/10/20*	*09/10/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2037021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/20	09/10/20		
Oil Range Organics (C28-C40)	ND	50.0	1	09/10/20	09/10/20		
Surrogate: n-Nonane		*98.1 %*	*50-200*	*09/10/20*	*09/10/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2037020
Chloride	ND	20.0	1	09/10/20	09/10/20		

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Analytical Laboratory

Spur	Project Name:	JG State #1	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Brady Moulder	09/11/20 15:05

SP2-5'
P009046-03 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2037019
Benzene	ND	0.0250	1	09/10/20	09/10/20		
Toluene	ND	0.0250	1	09/10/20	09/10/20		
Ethylbenzene	ND	0.0250	1	09/10/20	09/10/20		
p,m-Xylene	ND	0.0500	1	09/10/20	09/10/20		
o-Xylene	ND	0.0250	1	09/10/20	09/10/20		
Total Xylenes	ND	0.0250	1	09/10/20	09/10/20		
Surrogate: 4-Bromochlorobenzene-PID	*99.0 %*	*50-150*		*09/10/20*	*09/10/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2037019
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/20	09/10/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	*88.7 %*	*50-150*		*09/10/20*	*09/10/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2037021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/20	09/10/20		
Oil Range Organics (C28-C40)	ND	50.0	1	09/10/20	09/10/20		
Surrogate: n-Nonane	*96.1 %*	*50-200*		*09/10/20*	*09/10/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2037020
Chloride	**359**	20.0	1	09/10/20	09/10/20		

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Analytical Laboratory

Spur	Project Name:	JG State #1	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Brady Moulder	09/11/20 15:05

SP3-5'
P009046-04 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2037019
Benzene	ND	0.0250	1	09/10/20	09/10/20		
Toluene	ND	0.0250	1	09/10/20	09/10/20		
Ethylbenzene	ND	0.0250	1	09/10/20	09/10/20		
p,m-Xylene	ND	0.0500	1	09/10/20	09/10/20		
o-Xylene	ND	0.0250	1	09/10/20	09/10/20		
Total Xylenes	ND	0.0250	1	09/10/20	09/10/20		
Surrogate: 4-Bromochlorobenzene-PID	*99.3 %*	*50-150*		*09/10/20*	*09/10/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2037019
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/20	09/10/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	*88.5 %*	*50-150*		*09/10/20*	*09/10/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2037021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/20	09/10/20		
Oil Range Organics (C28-C40)	ND	50.0	1	09/10/20	09/10/20		
Surrogate: n-Nonane	*90.6 %*	*50-200*		*09/10/20*	*09/10/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2037020
Chloride	**86.0**	20.0	1	09/10/20	09/10/20		

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Analytical Laboratory

Spur	Project Name:	JG State #1	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Brady Moulder	09/11/20 15:05

Volatile Organics by EPA 8021B - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2037019-BLK1)									Prepared & Analyzed: 09/10/20 1
Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.11*		*8.00*		*101*	*50-150*			
LCS (2037019-BS1)									Prepared & Analyzed: 09/10/20 1
Benzene	4.77	0.0250	5.00		95.4	70-130			
Toluene	4.98	0.0250	5.00		99.6	70-130			
Ethylbenzene	5.04	0.0250	5.00		101	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
o-Xylene	5.11	0.0250	5.00		102	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.22*		*8.00*		*103*	*50-150*			
Matrix Spike (2037019-MS1)				**Source: P009045-01**					Prepared & Analyzed: 09/10/20 1
Benzene	4.71	0.0250	5.00	ND	94.2	54-133			
Toluene	4.95	0.0250	5.00	ND	99.0	61-130			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
o-Xylene	5.09	0.0250	5.00	ND	102	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.24*		*8.00*		*103*	*50-150*			
Matrix Spike Dup (2037019-MSD1)				**Source: P009045-01**					Prepared & Analyzed: 09/10/20 1
Benzene	4.84	0.0250	5.00	ND	96.8	54-133	2.81	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	1.93	20	
Ethylbenzene	5.13	0.0250	5.00	ND	103	61-133	1.97	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	1.85	20	
o-Xylene	5.19	0.0250	5.00	ND	104	63-131	1.93	20	
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131	1.87	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.19*		*8.00*		*102*	*50-150*			

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Analytical Laboratory

Spur	Project Name:	JG State #1	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Brady Moulder	09/11/20 15:05

Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2037019-BLK1)									Prepared & Analyzed: 09/10/20 1
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.03*		*8.00*		*87.9*	*50-150*			
LCS (2037019-BS2)									Prepared & Analyzed: 09/10/20 1
Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.19*		*8.00*		*89.8*	*50-150*			
Matrix Spike (2037019-MS2)									**Source: P009045-01** Prepared & Analyzed: 09/10/20 1
Gasoline Range Organics (C6-C10)	47.8	20.0	50.0	ND	95.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.17*		*8.00*		*89.6*	*50-150*			
Matrix Spike Dup (2037019-MSD2)									**Source: P009045-01** Prepared & Analyzed: 09/10/20 1
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130	1.55	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.06*		*8.00*		*88.2*	*50-150*			

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Analytical Laboratory

Spur	Project Name:	JG State #1	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Brady Moulder	09/11/20 15:05

Nonhalogenated Organics by EPA 8015D - DRO/ORO - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2037021-BLK1)									Prepared & Analyzed: 09/10/20 1
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	*48.2*		*50.0*		*96.5*	*50-200*			
LCS (2037021-BS1)									Prepared & Analyzed: 09/10/20 1
Diesel Range Organics (C10-C28)	484	25.0	500		96.7	38-132			
Surrogate: n-Nonane	*49.9*		*50.0*		*99.7*	*50-200*			
Matrix Spike (2037021-MS1)				**Source: P009045-01**					Prepared & Analyzed: 09/10/20 1
Diesel Range Organics (C10-C28)	463	25.0	500	ND	92.7	38-132			
Surrogate: n-Nonane	*46.4*		*50.0*		*92.9*	*50-200*			
Matrix Spike Dup (2037021-MSD1)				**Source: P009045-01**					Prepared & Analyzed: 09/10/20 1
Diesel Range Organics (C10-C28)	457	25.0	500	ND	91.3	38-132	1.46	20	
Surrogate: n-Nonane	*48.5*		*50.0*		*97.1*	*50-200*			

envirotech
Analytical Laboratory

Spur	Project Name:	JG State #1	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Brady Moulder	09/11/20 15:05

Anions by EPA 300.0/9056A - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2037020-BLK1)									Prepared & Analyzed: 09/10/20 1
Chloride	ND	20.0							
LCS (2037020-BS1)									Prepared & Analyzed: 09/10/20 1
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2037020-MS1)					**Source: P009045-01**				Prepared & Analyzed: 09/10/20 1
Chloride	673	20.0	250	376	119	80-120			
Matrix Spike Dup (2037020-MSD1)					**Source: P009045-01**				Prepared & Analyzed: 09/10/20 1
Chloride	632	20.0	250	376	102	80-120	6.28	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 my differ slightly.

envirotech
Analytical Laboratory

Spur	Project Name:	JG State #1	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Brady Moulder	09/11/20 15:05

Notes and Definitions

9999999999

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 1

Client: SPur Energy	Bill To
Project: JG State #1	Attention: ESS / Natalie Gladden
Project Manager: Brandy Maxwell	Address: 7h Compress Road
Address:	City, State, Zip Artesia NM
City, State, Zip	Phone:
Phone:	Email: Natalie@EnergyStaffing LLC.com
Email:	
Report due by:	

Lab Use Only		TAT		EPA Program		
Lab WO#	Job Number	1D	3D	RCRA	CWA	SDWA
P0090416	20046-0001	X				

State: NM X | CO | UT | AZ | TX | OK

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
9:30	9/8/20	S	1	Background	1									X				
9:50	"	"	"	SP1-5'	2									X				
10:40	"	"	"	SP2-5'	3									X				
11:30	"	"	"	SP3-5'	4									X				

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/9/20	2:12		9.9.2020	1412
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9.9.2020	1609		9.10.20	11:15
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4.0

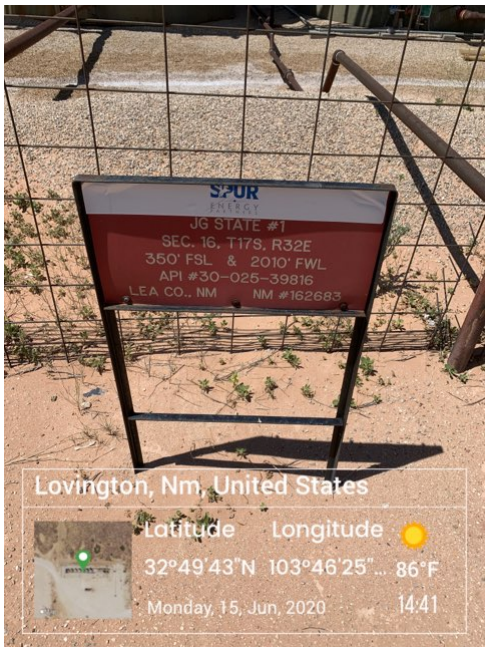
Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

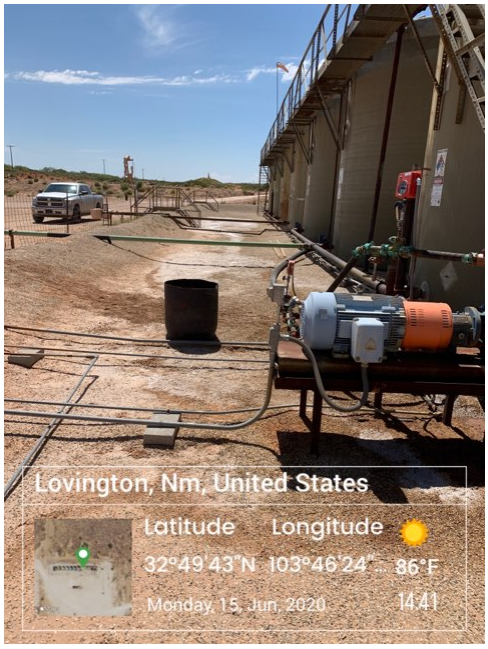
Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

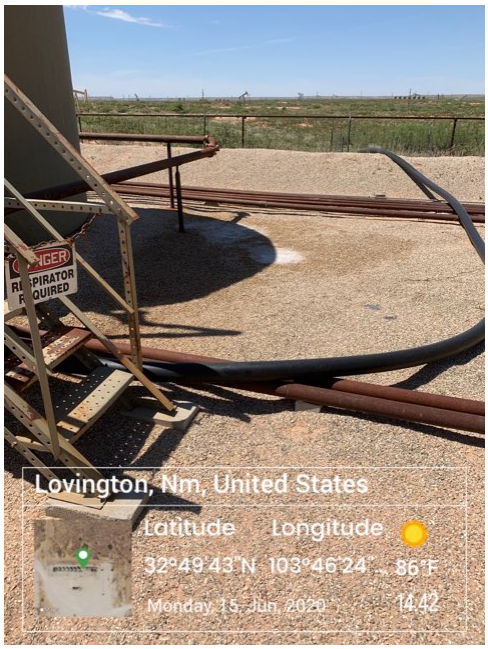
envirotech Analytical Laboratory
5795 US Highway 64, Farmington, NM 87401
24 Hour Emergency Response Phone (800) 362-1879
Ph (505) 632-1881 Fx (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com

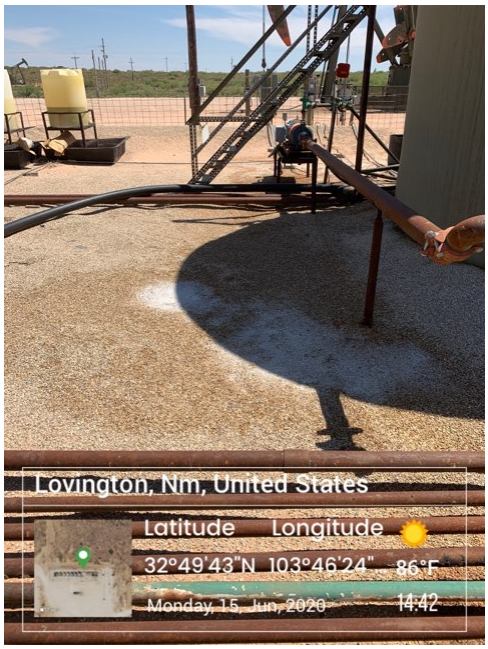
J G STATE #001
BEGINNING PHOTOS

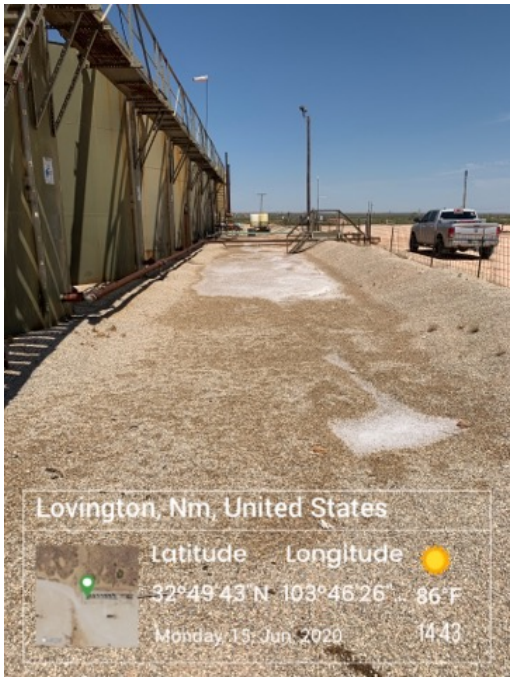




J G STATE #001
BEGINNING PHOTOS

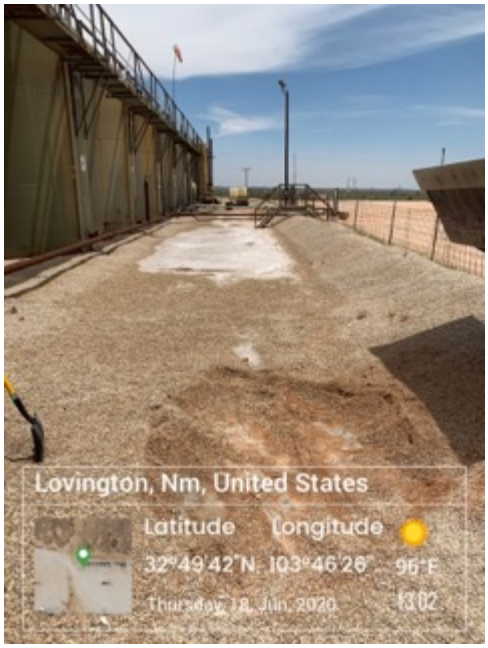


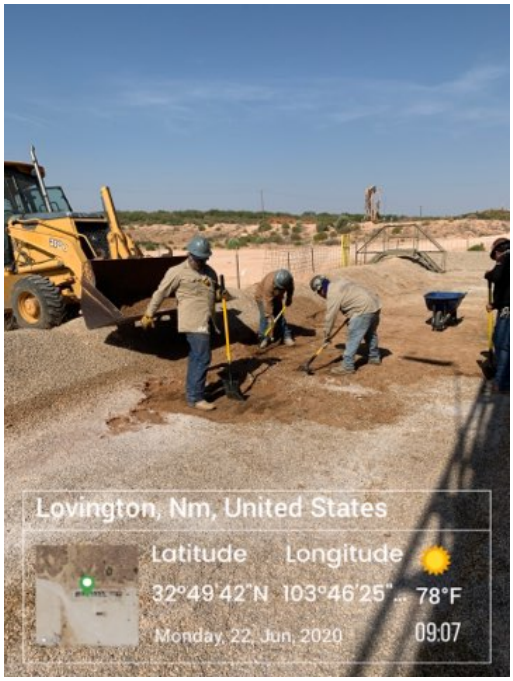




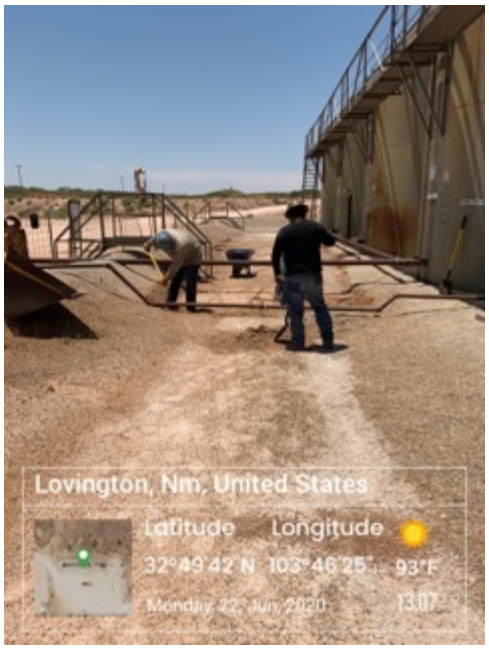
SPUR ENERGY PARTNERS

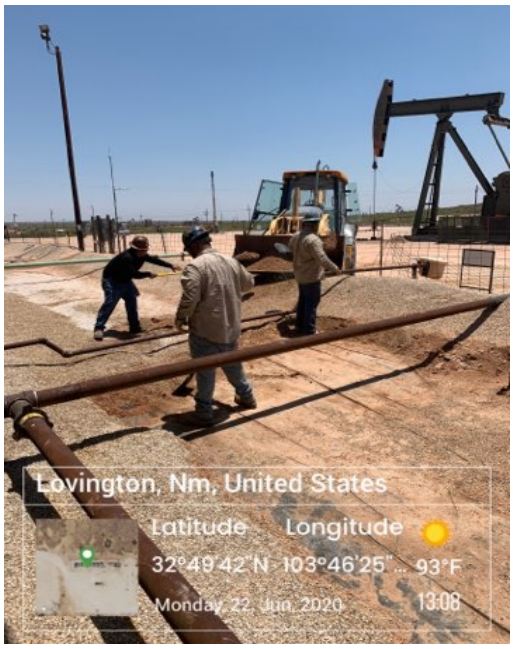
J G STATE #001
DURING PHOTOS

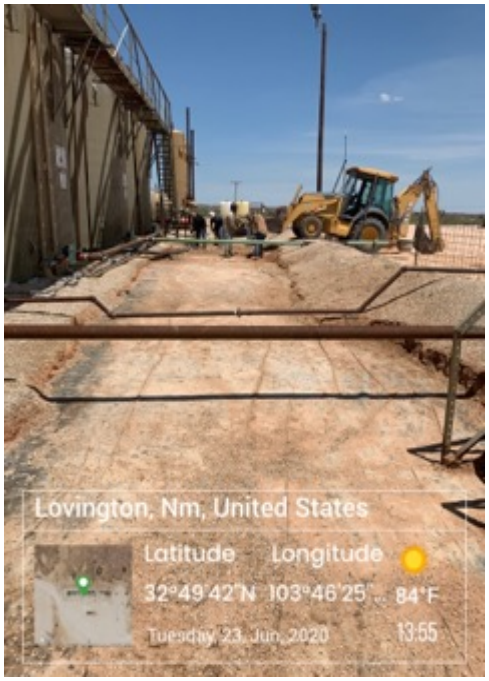




J G STATE #001
DURING PHOTOS







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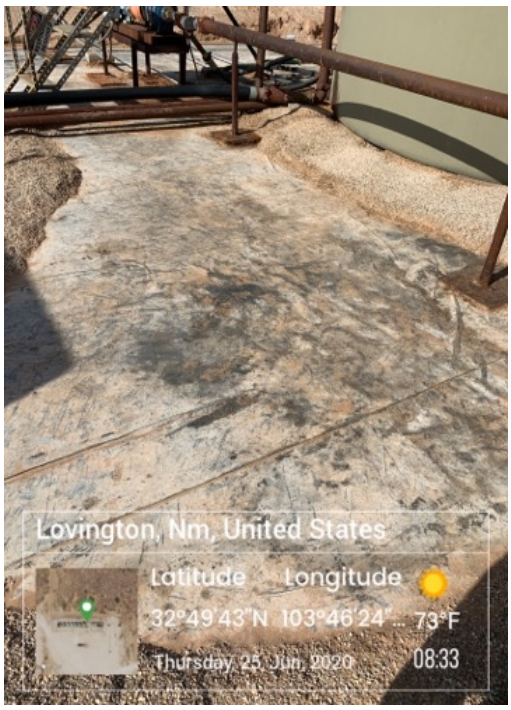
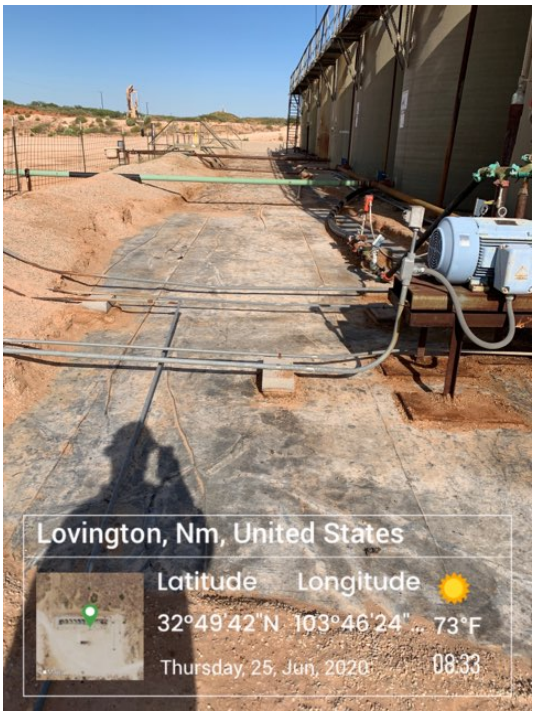
DURING PHOTOS





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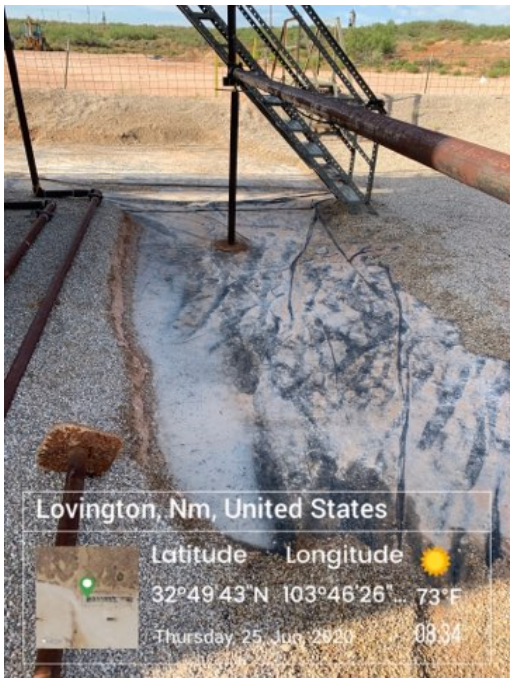
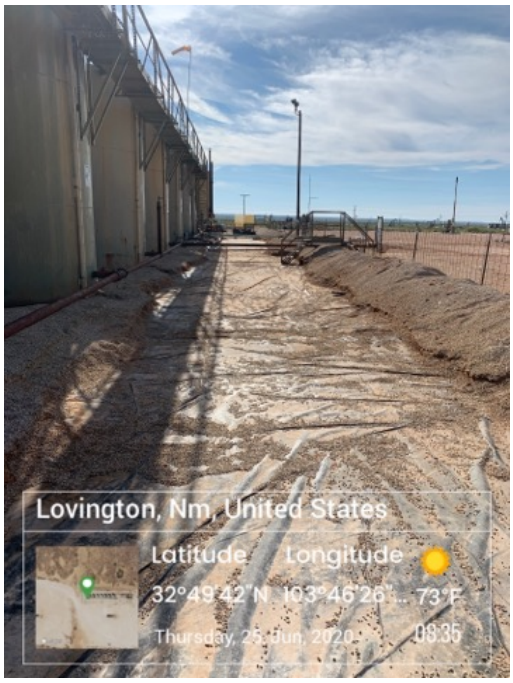
DURING PHOTOS





Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	
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?	92' (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ 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)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ 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?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ 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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
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: Natalie Gladden Title: Director of Environmental and Regulatory

Signature: Natalie Gladden Date: 5-27-21

email: natalie@energystaffing.com Telephone: 575-390-6397

OCD Only

Received by: _____ Date: _____

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Natalie Gladden Title: Director of Environmental & Regulatory

Signature: Natalie Gladden Date: 5-27-21

email: natalie@energystaffingllc.com Telephone: 575-390-6397

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	
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: Natalie Gladden Title: Director of Environmental and Regulatory

Signature: Natalie Gladden Date: 5-27-21

email: natalie@energystaffingllc.com Telephone: 575-390-6397

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NRM2017041629
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: Natalie Gladden Title: Director of Environmental and Regulatory

Signature: Natalie Gladden Date: 5-27-21

email: natalie@energystaffingllc.com Telephone: 575-390-6397

OCD Only

Received by: Robert Hamlet Date: 8/19/2021

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: Robert Hamlet Date: 8/19/2021

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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 29843

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 29843
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NRM2017041629 JG STATE #001, thank you. This closure is approved.	8/19/2021