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?	75' (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

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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: 10/3/21

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

OCD Only

Received by: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	
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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: 10/3/21

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

OCD Only

Received by: Chad Hensley Date: 10/27/2021

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: Chad Hensley Date: 10/27/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

SPUR ENERGY PARTNERS

FEDERAL B1 SWD #1
CLOSURE REQUEST

API NO. 30-025-27068
U/L – N, SECTION 28, TOWNSHIP 17S, RANGE 32E
LEA COUNTY, NEW MEXICO
RELEASE DATE: 06/26/2020
INCIDENT NO. NRM2018256434

October 3, 2021

PREPARED BY:

ESS
7 COMPRESS ROAD
ARTESIA, NM 88210

October 3, 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

Bureau of Land Management
C/OJim Amos
620 E. Green Street
Carlsbad, NM 88220

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

Subject: Closure Request for Spur Energy - Federal B I SWD #1

API No. 30-025-27068
Incident ID: NRM2018256434
U/L N, Section 28, Township 17S, Range 32E
Lea County, New Mexico

To Whom it May Concern:

Spur Energy Partners retained Energy Staffing Services, LLC (ESS) to conduct a liner inspection for the Federal B I SWD #1 (hereafter referred to as the "Federal BI") for the produced water release that occurred on June 26th, 2020. Spur Energy provided the immediate notification of the release to the New Mexico Oil Conservation Division (NMOCD) District 1 and II office, via email on June 26, 2020 at 9:33 PM (notification attached). On behalf of Spur Energy Partners, ESS submitted the initial C141 Release Notification (attached) on June 30, 2020. The NMOCD Incident ID Number assigned to this release is NRM 2018256434.

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 of this release.

Incident Description

On June 26 at approximately 12:40PM, a release was found and had occurred due to the H-Pump not shutting off the seal to the tank. Approximately 7bbls of produced water was released into the lined containment. A vacuum truck was dispatched out to the Federal B l and recovered approximately 4bbls of standing fluid. No fluid was released onto the pad, pasture or waterway.

Site Characterization

The release at the Federal B l occurred on private land, with BLM minerals and is located at 32.7996254, -103.7735901, 25.83 miles southwest of Lovington, New Mexico. The legal description for the site is Unit Letter N, Section 28, Township 17S, Range 32E, in Lea County (previously reported as Eddy), New Mexico. **A site** schematic is included in this report.

The Federal B l 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 3,969 ft. This area historically, has been dominated by perennial forbs, dropseed, little bluestem, shrubs, bush muhly, cane bluestem and Harvard's oak. (Please see the Rangeland and Vegetation Classification information attached).

The United States Department of Agriculture Natural Resources Conservation Services indicates that the soil type found in the area consists Maljamar and Palomas Find Sands, with Oto 3 percent slopes and is eroded. Please also find the Soil Map attached.

There is a "low potential" for Karst Geology to be present near the Federal B l 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 Federal B l. There are no continuously flowing watercourses, lakebeds, sinkholes, playa lakes or other critical or community features at the Federal B l, 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 12721 POD2, which is located 705' from the site and was drilled in 2019, with groundwater of 75'bgs. The next closest well to the site is RA 12721 PODS, located 851' from the site and was drilled in 2020 with groundwater depth of 124'bgs. 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 a groundwater well within ½ a mile from the release area from the Federal B l site. Monitoring wells are registered within the½ a mile radius but no water depth information is logged. Please find documentation attached.

Closure Criteria Determination

The Closure Criteria for Soils Impacted by a Release is shown below, based on groundwater depth of 80'bgs, with no water data located within½ a mile from the release point, being on fee land, and in a low karst area, the site would fall under the 51-lOO'dgw category. The other wells found on the OSE Website, show to be downgradient and side-gradient of the site but fall outside the½ mile radius. With the well showing inside the½ mile of the release point does not show any groundwater recorded depths, the site was classified under the 51-lOO'dgw 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 +ORO+ MRO)	EPA SW-846 METHOD 8015M	2,500 mg/kg
	GRO + ORO	EPA SW-846 METHOD 8015M	1,000 mg/kg
	BTEX	EPA SW-846 METHOD 80218 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 not impacted the soil at the Federal B l but does fall under the Closure Criteria at this site. The contamination found is of historical nature and is under the concentration levels for this site. 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 80218

- Benzene, Toluene, Ethylbenzene, p.m. Xylene, a-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 April 28, 2021 ESS was dispatched out to the Federal B l to complete a liner inspection. On May 6th, 2021 under liner delineation began. Pea gravel that was on top of the liner was removed in the sample areas. A total of 3 sample points were placed in the impacted area of the lined facility. Each sample point was hand augured until the samples met regulatory levels. Please also note that a background sample was also taken from the pasture area. At this time the samples were field tested for chlorides by use of a titration kit in 1' intervals and TPH was tested by use of a PID Meter. Each bottom hole sample was jarred and delivered to Envirotech Laboratories for confirmation.

The samples confirmed with laboratory analysis on the delineation sampling procedure were well below the closure criteria for this site. Laboratory analyses included Method 300/9056A for chlorides, Method 80218 for Volatile Organics (BTEX) and Method 8015D for TPH which included extended GRO, DRO and ORO. Confirmatory sample analytical data is summarized in the below chart as well as attached to this report and are found below:

SPID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SPI	SURF	240							
	1'	2160							
	2'	2400							
	3'	3600							
	4'	320							
	5'	320							
	6'	320		ND	ND	ND	ND	ND	61.4
SP2	SURF	320							
	1'	1600							
	2'	320							
	3'	240							

	4'	240		ND	ND	ND	ND	ND	70.4
SP3	SURF	320							
	1'	880							
	2'	880							
	3'	320							
	4'	320							
	5'	320		ND	ND	ND	ND	ND	114
BG	SURF	240		ND	ND	135	125	260	147

A Geo 700 Series Trimble, a global positioning system (GPS) was used to map the approximate center of each sample point that was obtained. Please refer to the Sample Map with GPS, that is attached herein.

The areas tested were then cleaned with acetone, prepped and patched with polyurethane tape. With the sample data obtained, all samples were under the closure criteria limits for this site. Please see photos attached.

Closure/Deferral Request

ESS requests that this incident (NRM2034254162) be closed for this release that occurred inside a lined production facility. 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 Federal B I SWD #1.

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

Sincerely,

Director of Enviroll lllental and Regulatory Services
Energy Staffing Se1·vices, LLC.
#7 Compress Rd
Artesia, NM 88210
Cell:575-390-6397
Email: uatalie@energysta:ffi 11gl le.com

ESS

Attachments:
Initial Email Notification

Initial C141 Form
Site Map
Rangeland and Vegetation Classification
Soil Map and Soil Data
Karst Map
Groundwater Data
Map OSE GW Map
Liner Inspection Email
Delineation and Sample GPS Map
Delineation/Patching Photos
Lab Analysis
Final C141 Form

From: Kenny Kidd
To: CFO_Spill, BLM_NM; Venegas, Victoria, EMNRD; Hamlet, Robert, EMNRD; Bratcher, Mike, EMNRD
Cc: Todd Mucha; Seth Ireland; Jerry Mathews; Braidy Moulder; Sarah Chapman; Susan Lopez; Marilyn Roemisch; natalie@energystaffingllc.com
Subject: Federal BI SWD #1
Date: Tuesday, June 30, 2020 9:33:01 AM
Attachments: image001.png

June 26, 2020, at around 12:40 P.M.
We had a leak on the Federal BI SWD #1.
H-pump didn't shut off causing the seal to leak.
Releasing estimated 7 bbls fluid, inside a lined containment.
Estimated 4 bbls recovered.

We will have ESS environmental company coming out to assess this spill.

If you have any question please give me a call.

Federal BI SWD #1

Sec. N-28-17S-32E 480 FSL 1980 FWL

Lat/Long: 32.7996254,-103.7735901 NAD83

API 30-025-27068

Thanks,

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

Disclaimer

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(@s urel!llc.com	Incident # *(assigned by OCD)*
Contact mailing address **919 MILAM STREET SUITE 2475 HOUSTON, TX 77002**	

Location of Release Source

Latitude **32.7996254** Longitude-103.7735901
(NAD 83 in decimal degrees to 5 decimal places)

Site Name **FEDERAL B1 SWD #1**	Site Type **PRODUCTION**
Date Release Discovered **6/26/2020**	API# *(if applicable)* ***30-025-27068***

Unit Letter	Section	Township	Range	County
N	**28**	**17S**	**32E**	**EDDY**

Surface Owner: D State D Federal D Tribal IX! rivate *(Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all Urt apply and attach calculations or specific jt1stification for the volumes provided below)

0 Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
IX! roduced Water	Volume Released (bbls) **7BBLS**	Volume Recovered (bbls) **4BBLS**
	Is the concentration of dissolved chloride in the produced water> 10,000 mg/I?	IX! es D No
D Condensate	Volume Released (bbls)	Volume Recovered (bbls)
D Natural Gas	Volume Released (Met)	Volume Recovered (Met)
D Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

THE H-PUMP DID NOT SHUT OFF CAUSING THE SEAL TO LEAK. ALL OF THE FLUID WAS RELEASED INSIDE THE LINED CONTAINMENT.

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? 0 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 NMOCD/BLM ON 6/30/2020 AT 9:33AM

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

Signanrre: {fh it.., ., G Q;,-ddu.=, Date: 6.30.2020

email: natalie(alenerin:staffin2llc.com Telephone: 575-390-6397

OCDOnly

Received by: _____ Date: _____

From: OCDOnline@state.nm.us
To: natalie@energystaffingllc.com
Subject: New Mexico OCD Application Submission was Approved by the OCD
Date: Tuesday, June 30, 2020 3:46:21 PM

The Oil Conservation Division (OCD) has approved the application PO: 3MWVX-200630-C-1410.
The original application was submitted by Natalie Gladden for Spur Energy Partners LLC.

The user added the additional comment:

> "To whom it may concern, The NMOCD has accepted the submitted C-141 and the tracking number for this event is NRM2018256434. Please retain this incident number as it is required for all future communication and submittals. NOTE: As of 12/13/2019, NMOCD has discontinued the use of the “RP” number. Thank you. Ramona Marcus, Compliance Officer NMOCD Ramona.Marcus@state.nm.us ".

If you are concerned about receiving this email or have any other questions,
please feel free to contact our Santa Fe OCD office.

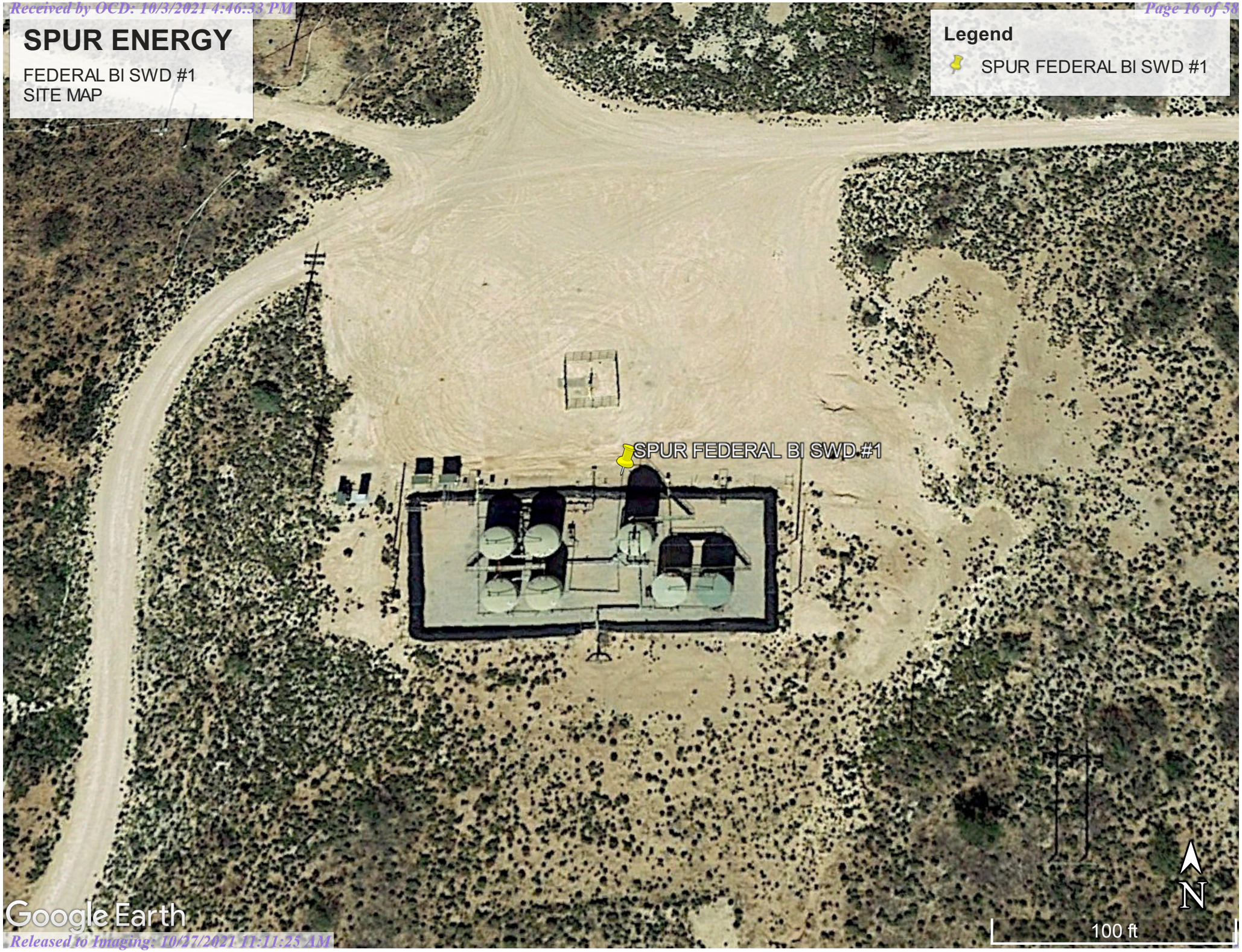
New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

SPUR ENERGY

FEDERAL BI SWD #1
SITE MAP

Legend

SPUR FEDERAL BI SWD #1



Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition

In areas that have similar climate and topography, differences in the kind and amount of rangeland or forest understory vegetation are closely related to the kind of soil. Effective management is based on the relationship between the soils and vegetation and water.

This table shows, for each soil that supports vegetation, the ecological site, plant association, or habitat type; the total annual production of vegetation in favorable, normal, and unfavorable years; the characteristic vegetation; and the average percentage of each species. An explanation of the column headings in the table follows.

An *ecological site, plant association, or habitat type* is the product of all the environmental factors responsible for its development. It has characteristic soils that have developed over time throughout the soil development process; a characteristic hydrology, particularly infiltration and runoff that has developed over time; and a characteristic plant community (kind and amount of vegetation). The hydrology of the site is influenced by development of the soil and plant community. The vegetation, soils, and hydrology are all interrelated. Each is influenced by the others and influences the development of the others. The plant community on an ecological site, plant association, or habitat type is typified by an association of species that differs from that of other ecological sites, plant associations, or habitat types in the kind and/or proportion of species or in total production. Descriptions of ecological sites are provided in the Field Office Technical Guide, which is available in local offices of the Natural Resources Conservation Service (NRCS). Descriptions of plant associations or habitat types are available from local U.S. Forest Service offices.

Total dry-weight production is the amount of vegetation that can be expected to grow annually in a well managed area that is supporting the potential natural plant community. It includes all vegetation, whether or not it is palatable to grazing animals. It includes the current year's growth of leaves, twigs, and fruits of woody plants. It does not include the increase in stem diameter of trees and shrubs. It is expressed in pounds per acre of air-dry vegetation for favorable, normal, and unfavorable years. In a favorable year, the amount and distribution of precipitation and the temperatures make growing conditions substantially better than average. In a normal year, growing conditions are about average. In an unfavorable year, growing conditions are well below average, generally because of low available soil moisture. Yields are adjusted to a common percent of air-dry moisture content.

Characteristic vegetation (the grasses, forbs, shrubs, and understory trees that make up most of the potential natural plant community on each soil) is listed by common name. Under *rangeland composition and forest understory*, the expected percentage of the total annual production is given for each species making up the characteristic vegetation. The percentages are by dry weight for rangeland. Percentages for forest understory are by either dry weight or canopy cover. The amount that can be used as forage depends on the kinds of grazing animals and on the grazing season.

Range management requires knowledge of the kinds of soil and of the potential natural plant community. It also requires an evaluation of the present range similarity index and rangeland trend. Range similarity index is determined by comparing the present plant community with the potential natural plant community on a particular rangeland ecological site. The more closely the existing community resembles the potential community, the higher the range similarity index. Rangeland trend is defined as the direction of change in an existing plant community relative to the potential natural plant community. Further information about the range similarity index and rangeland trend is available in the "National Range and Pasture Handbook," which is available in local offices of NRCS or on the Internet.

The objective in range management is to control grazing so that the plants growing on a site are about the same in kind and amount as the potential natural plant community for that site. Such management generally results in the optimum production of vegetation, control of undesirable brush species, conservation of water, and control of erosion. Sometimes, however, an area with a range similarity index somewhat below the potential meets grazing needs, provides wildlife habitat, and protects soil and water resources.

Reference:
United States Department of Agriculture, Natural Resources Conservation Service, National range and pasture handbook.

Report—Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition

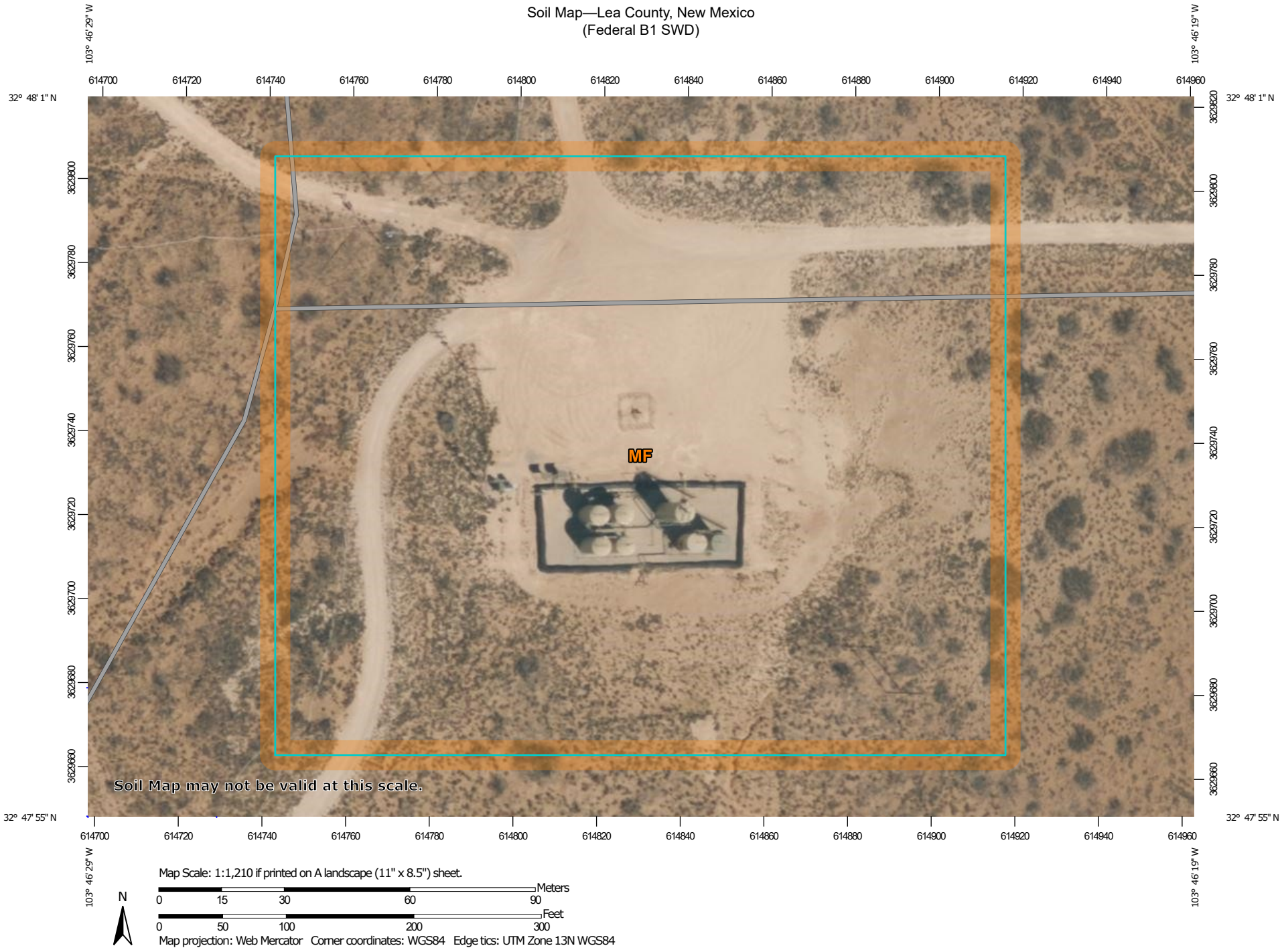
Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition–Lea County, New Mexico								
Map unit symbol and soil name	Ecological Site, Plant Association, or Habitat Type	Total dry-weight production			Characteristic rangeland or forest understory vegetation	Composition		
		Favorable year	Normal year	Unfavorable year			Rangeland	Forest understory
		Lb/ac	*Lb/ac*	*Lb/ac*		*Pct dry wt*	*Pct dry wt*	
MF—Maljamar and Palomas fine sands, 0 to 3 percent slopes								

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition–Lea County, New Mexico								
Map unit symbol and soil name	Ecological Site, Plant Association, or Habitat Type	Total dry-weight production			Characteristic rangeland or forest understory vegetation	Composition		
		Favorable year	Normal year	Unfavorable year			Rangeland	Forest understory
		Lb/ac	*Lb/ac*	*Lb/ac*		*Pct dry wt*	*Pct dry wt*	
Maljamar	Loamy Sand (R042XC003NM)	1,800	—	650	black grama	15		
					other perennial forbs	15		
					dropseed	10		
					little bluestem	10		
					other perennial grasses	10		
					plains bristlegrass	10		
					bush muhly	5		
					cane bluestem	5		
					fall witchgrass	5		
					Havard's oak	5		
					other shrubs	5		
					sand sagebrush	5		
Palomas	Loamy Sand (R042XC003NM)	1,800	—	650	black grama	15		
					other perennial forbs	15		
					dropseed	10		
					little bluestem	10		
					other perennial grasses	10		
					plains bristlegrass	10		
					bush muhly	5		
					cane bluestem	5		
					fall witchgrass	5		
					Havard's oak	5		
					other shrubs	5		
					sand sagebrush	5		

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 18, Sep 10, 2021

Soil Map—Lea County, New Mexico
(Federal B1 SWD)



Soil Map—Lea County, New Mexico
(Federal B1 SWD)

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 18, Sep 10, 2021

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

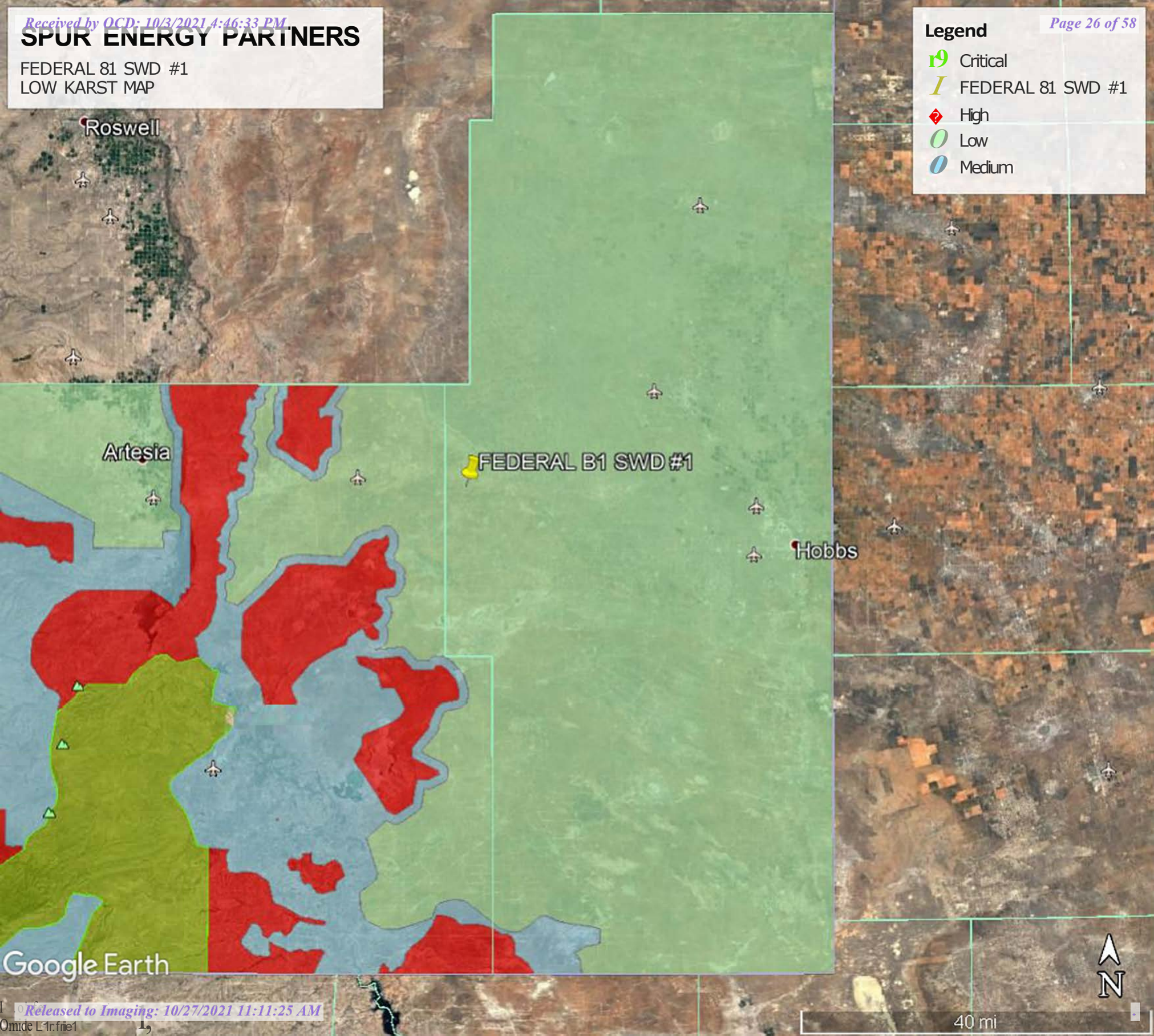
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
MF	Maljamar and Palomas fine sands, 0 to 3 percent slopes	6.2	100.0%
Totals for Area of Interest		**6.2**	**100.0%**

SPUR ENERGY PARTNERS

FEDERAL 81 SWD #1
LOW KARST MAP



Legend

- Critical
- FEDERAL 81 SWD #1
- High
- Low
- Medium

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	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
RA 12721 POD4		RA	LE		1	1	2	33	17S	32E	615055	3629589	271	04/18/2019	04/19/2019	05/15/2019	140		JOHN W WHITE	1456
RA 12721 POD1		RA	LE		3	2	3	28	17S	32E	614645	3630141	442	04/18/2019	04/19/2019	05/15/2019	125		JOHN W WHITE	1456
RA 12721 POD7		RA	LE		1	3	2	33	17S	32E	615064	3629198	590	04/28/2020	04/28/2020	05/18/2020	130		WHITE, JOHNNOWN.GENER	1456
RA 12721 POD3		RA	LE	Shallow	2	3	4	28	17S	32E	615417	3629979	635	04/18/2019	04/19/2019	05/15/2019	115		JOHN W WHITE	1456
RA 12721 POD2		RA	LE	Shallow	1	1	4	28	17S	32E	615055	3630407	705	04/18/2019	04/19/2019	05/15/2019	124	75	JOHN W WHITE	1456
RA 12721 POD6		RA	LE		1	2	2	33	17S	32E	615530	3629431	766	04/28/2020	04/28/2020	05/18/2020	130		WHITE, JOHNNOWN.GENER	1456
RA 12721 POD5		RA	LE	Shallow	2	4	4	28	17S	32E	615650	3629961	851	04/27/2020	04/28/2020	05/18/2020	130	124	WHITE, JOHNNOWN.GENER	1456

Record Count: 7

UTMNAD83 Radius Search (in meters):

Easting (X): 614828.13 **Northing (Y):** 3629739.47 **Radius:** 1000

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	RA 12721 POD1	3	2	3	28	17S	32E	614645	3630141

Driller License:	1456	**Driller Company:**	WHITE DRILLING COMPANY		
Driller Name:	JOHN W WHITE				
Drill Start Date:	04/18/2019	**Drill Finish Date:**	04/19/2019	**Plug Date:**	04/19/2019
Log File Date:	05/15/2019	**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	2.00	**Depth Well:**	125 feet	**Depth Water:**	

Casing Perforations:	Top	Bottom
	85	125

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	RA 12721 POD2	1	1	4	28	17S	32E	615055	3630407

Driller License: 1456 **Driller Company:** WHITE DRILLING COMPANY
Driller Name: JOHN W WHITE

Drill Start Date: 04/18/2019 **Drill Finish Date:** 04/19/2019 **Plug Date:**
Log File Date: 05/15/2019 **PCW Rcv Date:** **Source:** Shallow
Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 0 GPM
Casing Size: 2.00 **Depth Well:** 124 feet **Depth Water:** 75 feet

Water Bearing Stratifications:	Top	Bottom	Description
	56	99	Sandstone/Gravel/Conglomerate
	99	102	Sandstone/Gravel/Conglomerate
	102	103	Shale/Mudstone/Siltstone
	103	105	Shale/Mudstone/Siltstone
	105	117	Shale/Mudstone/Siltstone
	117	118	Other/Unknown
	118	120	Shale/Mudstone/Siltstone
	120	121	Sandstone/Gravel/Conglomerate
	121	124	Shale/Mudstone/Siltstone

Casing Perforations:	Top	Bottom
	84	124

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
NA	RA 12721 POD3	2	3	4	28	17S	32E	615417	3629979

Driller License: 1456 **Driller Company:** WHITE DRILLING COMPANY
Driller Name: JOHN W WHITE

Drill Start Date: 04/18/2019 **Drill Finish Date:** 04/19/2019 **Plug Date:**
Log File Date: 05/15/2019 **PCW Rcv Date:** **Source:** Shallow
Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 0 GPM
Casing Size: 2.00 **Depth Well:** 115 feet **Depth Water:**

Water Bearing Stratifications:	Top	Bottom	Description
	88	111	Sandstone/Gravel/Conglomerate
	111	112	Shale/Mudstone/Siltstone
	112	114	Shale/Mudstone/Siltstone
	114	115	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	85	115

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	RA 12721 POD4	1	1	2	33	17S	32E	615055	3629589

Driller License: 1456 **Driller Company:** WHITE DRILLING COMPANY

Driller Name: JOHN W WHITE

Drill Start Date: 04/18/2019 **Drill Finish Date:** 04/19/2019 **Plug Date:** 04/19/2019

Log File Date: 05/15/2019 **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 0 GPM

Casing Size: 6.00 **Depth Well:** 140 feet **Depth Water:**

Casing Perforations:	Top	Bottom
	90	130

New Mexico Office of the State Engineer
Point of Diversion Summary

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

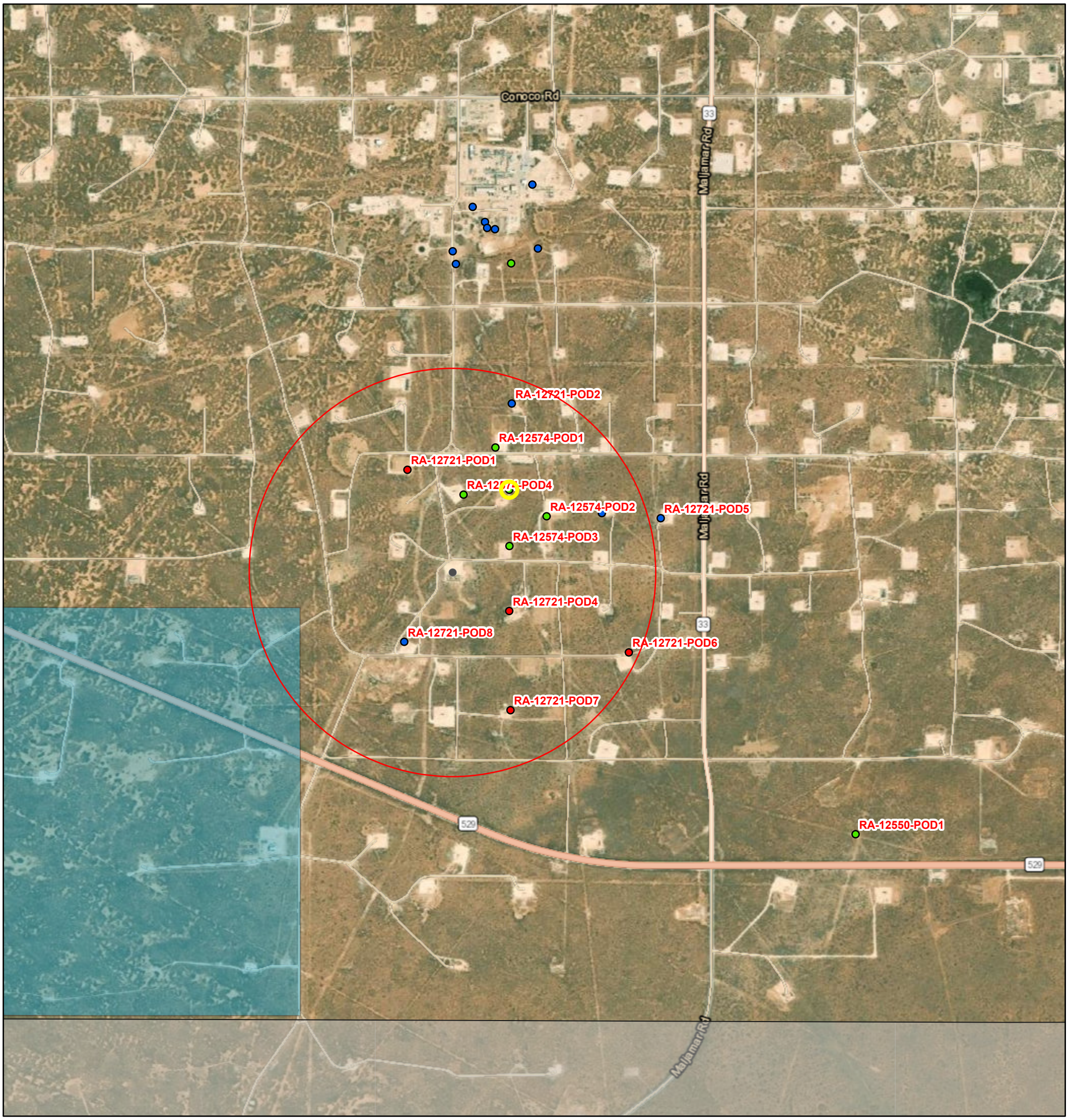
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	RA 12721 POD7	1	3	2	33	17S	32E	615064	3629198

Driller License: 1456 **Driller Company:** WHITE DRILLING COMPANY

Driller Name: WHITE, JOHNNOWN.GENER

Drill Start Date:	04/28/2020	**Drill Finish Date:**	04/28/2020	**Plug Date:**	04/28/2020
Log File Date:	05/18/2020	**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	130 feet	**Depth Water:**	

OSE PUBLIC PRINT



10/3/2021, 2:43:56 PM

GIS WATERS PODs

- Active
- Pending
- Plugged
- OSE District Boundary

Water Right Regulations

- Closure Area

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

From: natalie@energystaffingllc.com
To: OCDOnline@state.nm.us
Cc: MIKE BRATCHER; ROBERT HAMLET; CRISTINA EADS; CFO SPILLS BLM; dakoatah@energystaffingllc.com; "Braidy Moulder"
Subject: SPUR - FEDERAL B 1 SWD #1 LINER INSPECTION
Date: Friday, February 26, 2021 11:06:17 AM
Attachments: image003.png

All,

On behalf of Spur Energy, ESS would like to request a liner inspection for the Federal B1 SWD #1 for release date of 6/26/2020 with the Incident Number of NRM2018256434. This is our 48 hour notice of the liner inspection request.

Thank you and have a great weekend.

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

ESS

Company Name: SPUR **Location Name:** FEDERAL B 1 SWD **Release Date:** 6/26/2020

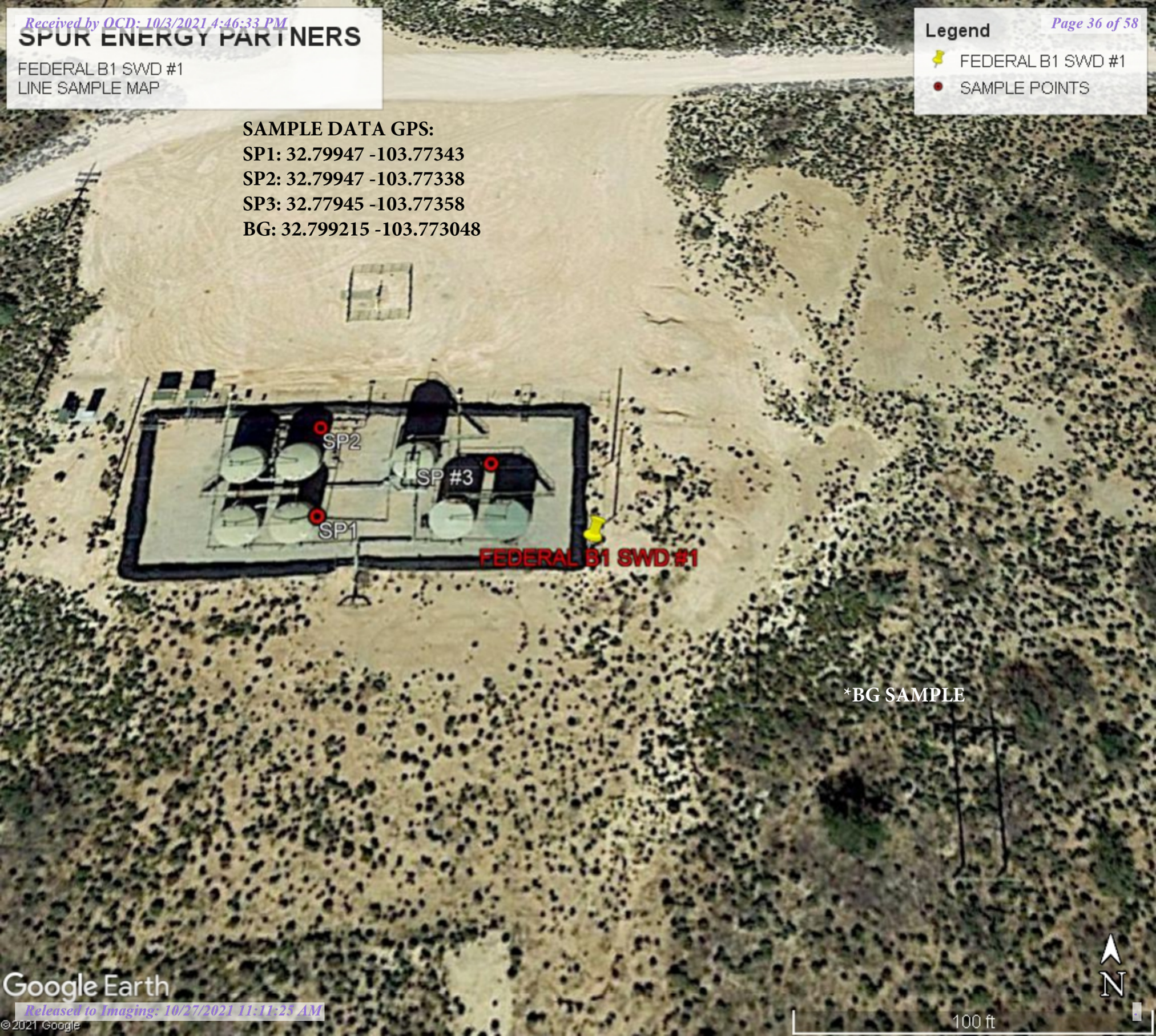
SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
SP1	SURF	240									
	1'	2160									
	2'	2400									
	3'	3600									
	4'	320									
	5'	320									
	6'	320		ND	ND	ND	ND	ND	61.4		
SP2	SURF	320									
	1'	1600									
	2'	320									
	3'	240									
	4'	240		ND	ND	ND	ND	ND	70.4		
SP3	SURF	320									
	1'	880									
	2'	880									
	3'	320									
	4'	320									
	5'	320		ND	ND	ND	ND	ND	114		
BG	SURF	240		ND	ND	135	125	260	147		

SPUR ENERGY PARTNERS

FEDERAL B1 SWD #1
LINE SAMPLE MAP

Legend
- FEDERAL B1 SWD #1
- SAMPLE POINTS

SAMPLE DATA GPS:
SP1: 32.79947 -103.77343
SP2: 32.79947 -103.77338
SP3: 32.77945 -103.77358
BG: 32.799215 -103.773048



SPUR ENERGY PARTNERS
FEDERAL B1 SWD #1
LINER SAMPLE PHOTOS


WGS84 32.79947,
±16ft -103.77338
ft
±10ft 3939
°T
±93 E76
05May21 08:43 Ad-hoc
Hobbs, NM 88240, United States 05-May-21 08:43:29


WGS84 32.79950,
±16ft -103.77363
ft
±13ft 3942
°T
±20 SW231
05May21 11:33 Ad-hoc
Hobbs, NM 88240, United States 05-May-21 11:33:16


WGS84 32.79940,
±40ft -103.77362
ft
±52ft 3909
°,T
±68 S181
Created with
free version of
GPS Camera 55
05May21 14:04 Ad-hoc
Hobbs, NM 88240, United States 05-May-21 14:04:43


WGS84 32.79945,
±16ft -103.77358
ft
±10ft 3940
°,T
±21 SW234
05May21 11:28 Ad-hoc
Hobbs, NM 88240, United States 05-May-21 11:28:35

Report to:

Natalie Gladden

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Spur

Project Name: Federa BI #1

Work Order: E105021

Job Number: 20046-0001

Received: 5/7/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/13/21

Date Reported: 5/13/21

Natalie Gladden
PO Box 1058
Hobbs, NM 88240

Project Name: Federa BI #1
Workorder: E105021
Date Received: 5/7/2021 1:24:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/7/2021 1:24:00PM, under the Project Name: Federa BI #1.

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

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding 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 Office:

Lynn Estes
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
lestes@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Spur	Project Name:	Federa BI #1	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	05/13/21 09:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1 6'	E105021-01A	Soil	05/06/21	05/07/21	Glass Jar, 4 oz.
SP2 4'	E105021-02A	Soil	05/06/21	05/07/21	Glass Jar, 4 oz.
SP3 5'	E105021-03A	Soil	05/06/21	05/07/21	Glass Jar, 4 oz.
Background	E105021-04A	Soil	05/06/21	05/07/21	Glass Jar, 4 oz.

Sample Data

Spur	Project Name:	Federa BI #1	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	5/13/2021 9:58:14AM

SP1 6'

E105021-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2120001
Benzene	ND	0.0250	1	05/10/21	05/11/21	
Ethylbenzene	ND	0.0250	1	05/10/21	05/11/21	
Toluene	ND	0.0250	1	05/10/21	05/11/21	
o-Xylene	ND	0.0250	1	05/10/21	05/11/21	
p,m-Xylene	ND	0.0500	1	05/10/21	05/11/21	
Total Xylenes	ND	0.0250	1	05/10/21	05/11/21	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*05/10/21*	*05/11/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2120001
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/21	05/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.1 %*	*70-130*	*05/10/21*	*05/11/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2120008
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/21	05/11/21	
Oil Range Organics (C28-C35)	ND	50.0	1	05/10/21	05/11/21	
Surrogate: n-Nonane		*95.6 %*	*50-200*	*05/10/21*	*05/11/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2120009
Chloride	**61.4**	20.0	1	05/10/21	05/11/21	

Sample Data

Spur	Project Name:	Federa BI #1	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	5/13/2021 9:58:14AM

SP2 4'

E105021-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2120001
Benzene	ND	0.0250	1	05/10/21	05/11/21	
Ethylbenzene	ND	0.0250	1	05/10/21	05/11/21	
Toluene	ND	0.0250	1	05/10/21	05/11/21	
o-Xylene	ND	0.0250	1	05/10/21	05/11/21	
p,m-Xylene	ND	0.0500	1	05/10/21	05/11/21	
Total Xylenes	ND	0.0250	1	05/10/21	05/11/21	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*05/10/21*	*05/11/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2120001
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/21	05/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.0 %*	*70-130*	*05/10/21*	*05/11/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2120008
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/21	05/11/21	
Oil Range Organics (C28-C35)	ND	50.0	1	05/10/21	05/11/21	
Surrogate: n-Nonane		*98.7 %*	*50-200*	*05/10/21*	*05/11/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2120009
Chloride	**70.4**	20.0	1	05/10/21	05/11/21	

Sample Data

Spur	Project Name:	Federa BI #1	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	5/13/2021 9:58:14AM

SP3 5'

E105021-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2120001
Benzene	ND	0.0250	1	05/10/21	05/11/21	
Ethylbenzene	ND	0.0250	1	05/10/21	05/11/21	
Toluene	ND	0.0250	1	05/10/21	05/11/21	
o-Xylene	ND	0.0250	1	05/10/21	05/11/21	
p,m-Xylene	ND	0.0500	1	05/10/21	05/11/21	
Total Xylenes	ND	0.0250	1	05/10/21	05/11/21	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*05/10/21*	*05/11/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2120001
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/21	05/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.3 %*	*70-130*	*05/10/21*	*05/11/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2120008
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/21	05/11/21	
Oil Range Organics (C28-C35)	ND	50.0	1	05/10/21	05/11/21	
Surrogate: n-Nonane		*106 %*	*50-200*	*05/10/21*	*05/11/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2120009
Chloride	**114**	20.0	1	05/10/21	05/11/21	

Sample Data

Spur	Project Name:	Federa BI #1	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	5/13/2021 9:58:14AM

Background

E105021-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2120001
Benzene	ND	0.0250	1	05/10/21	05/11/21	
Ethylbenzene	ND	0.0250	1	05/10/21	05/11/21	
Toluene	ND	0.0250	1	05/10/21	05/11/21	
o-Xylene	ND	0.0250	1	05/10/21	05/11/21	
p,m-Xylene	ND	0.0500	1	05/10/21	05/11/21	
Total Xylenes	ND	0.0250	1	05/10/21	05/11/21	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*05/10/21*	*05/11/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2120001
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/21	05/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.7 %*	*70-130*	*05/10/21*	*05/11/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2120008
Diesel Range Organics (C10-C28)	**135**	25.0	1	05/10/21	05/11/21	
Oil Range Organics (C28-C35)	**125**	50.0	1	05/10/21	05/11/21	
Surrogate: n-Nonane		*103 %*	*50-200*	*05/10/21*	*05/11/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2120009
Chloride	**147**	20.0	1	05/10/21	05/11/21	

QC Summary Data

Spur	Project Name:	Federa BI #1	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	5/13/2021 9:58:14AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2120001-BLK1)									Prepared: 05/10/21 Analyzed: 05/10/21
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.30*		*8.00*		*104*	*70-130*			
LCS (2120001-BS1)									Prepared: 05/10/21 Analyzed: 05/10/21
Benzene	4.67	0.0250	5.00		93.4	70-130			
Ethylbenzene	4.81	0.0250	5.00		96.3	70-130			
Toluene	4.94	0.0250	5.00		98.9	70-130			
o-Xylene	4.80	0.0250	5.00		96.0	70-130			
p,m-Xylene	9.66	0.0500	10.0		96.6	70-130			
Total Xylenes	14.5	0.0250	15.0		96.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.30*		*8.00*		*104*	*70-130*			
Matrix Spike (2120001-MS1)				**Source: E105011-01**					Prepared: 05/10/21 Analyzed: 05/10/21
Benzene	4.86	0.0250	5.00	ND	97.3	54-133			
Ethylbenzene	4.96	0.0250	5.00	ND	99.3	61-133			
Toluene	5.10	0.0250	5.00	ND	102	61-130			
o-Xylene	4.92	0.0250	5.00	ND	98.4	63-131			
p,m-Xylene	9.93	0.0500	10.0	ND	99.3	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.41*		*8.00*		*105*	*70-130*			
Matrix Spike Dup (2120001-MSD1)				**Source: E105011-01**					Prepared: 05/10/21 Analyzed: 05/10/21
Benzene	4.68	0.0250	5.00	ND	93.6	54-133	3.85	20	
Ethylbenzene	4.81	0.0250	5.00	ND	96.2	61-133	3.10	20	
Toluene	4.94	0.0250	5.00	ND	98.9	61-130	3.11	20	
o-Xylene	4.79	0.0250	5.00	ND	95.8	63-131	2.66	20	
p,m-Xylene	9.63	0.0500	10.0	ND	96.3	63-131	3.07	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.1	63-131	2.94	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.49*		*8.00*		*106*	*70-130*			

QC Summary Data

Spur	Project Name:	Federa BI #1	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	5/13/2021 9:58:14AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2120001-BLK1)									Prepared: 05/10/21 Analyzed: 05/10/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.72*		*8.00*		*84.0*	*70-130*			
LCS (2120001-BS2)									Prepared: 05/10/21 Analyzed: 05/10/21
Gasoline Range Organics (C6-C10)	42.9	20.0	50.0		85.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.86*		*8.00*		*85.7*	*70-130*			
Matrix Spike (2120001-MS2)				**Source: E105011-01**					Prepared: 05/10/21 Analyzed: 05/10/21
Gasoline Range Organics (C6-C10)	41.7	20.0	50.0	ND	83.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.84*		*8.00*		*85.5*	*70-130*			
Matrix Spike Dup (2120001-MSD2)				**Source: E105011-01**					Prepared: 05/10/21 Analyzed: 05/10/21
Gasoline Range Organics (C6-C10)	43.8	20.0	50.0	ND	87.6	70-130	5.06	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.80*		*8.00*		*85.0*	*70-130*			

QC Summary Data

Spur	Project Name:	Federa BI #1	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	5/13/2021 9:58:14AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2120008-BLK1)									Prepared: 05/10/21 Analyzed: 05/10/21
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	*46.7*		*50.0*		*93.4*	*50-200*			
LCS (2120008-BS1)									Prepared: 05/10/21 Analyzed: 05/10/21
Diesel Range Organics (C10-C28)	436	25.0	500		87.2	38-132			
Surrogate: n-Nonane	*41.8*		*50.0*		*83.6*	*50-200*			
Matrix Spike (2120008-MS1)				**Source: E105020-01**					Prepared: 05/10/21 Analyzed: 05/10/21
Diesel Range Organics (C10-C28)	458	25.0	500	ND	91.5	38-132			
Surrogate: n-Nonane	*43.0*		*50.0*		*86.1*	*50-200*			
Matrix Spike Dup (2120008-MSD1)				**Source: E105020-01**					Prepared: 05/10/21 Analyzed: 05/10/21
Diesel Range Organics (C10-C28)	466	25.0	500	ND	93.2	38-132	1.78	20	
Surrogate: n-Nonane	*43.6*		*50.0*		*87.1*	*50-200*			

QC Summary Data

Spur	Project Name:	Federa BI #1	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	5/13/2021 9:58:14AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2120009-BLK1)									Prepared: 05/10/21 Analyzed: 05/10/21
Chloride	ND	20.0							
LCS (2120009-BS1)									Prepared: 05/10/21 Analyzed: 05/10/21
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2120009-MS1)				**Source: E105011-12**					Prepared: 05/10/21 Analyzed: 05/10/21
Chloride	453	20.0	250	189	106	80-120			
Matrix Spike Dup (2120009-MSD1)				**Source: E105011-12**					Prepared: 05/10/21 Analyzed: 05/10/21
Chloride	430	20.0	250	189	96.4	80-120	5.27	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

Spur	Project Name:	Federa BI #1	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	05/13/21 09:58

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information | Chain of Custody | Page 1 of 1

Client:	Spur
Project:	Federal BF #1
Project Manager:	Brady Moulder
Address:	
City, State, Zip	
Phone:	
Email:	Natalie Gladden
Report due by:	

Bill To

Attention:	ESS
Address:	7 W Compress Rd
City, State, Zip	Artesia, NM
Phone:	
Email:	Natalie Gladden

Lab Use Only

Lab WO# E 105021 | Job Number 2004000001

TAT: 1D | 2D | 3D | Standard ✓

EPA Program: CWA | SDWA | RCRA

State: NM ✓ | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
	5/6	S	1	SP1 6'	1							X		
	5/6	S	1	SP2 4'	2							X		
	5/6	S	1	SP3 5'	3							X		
	5/6	S	1	Background	4							X		

Analysis and Method: BGDOC - NM

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: Juan Talavera

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
	5/6/21	3:25		5.6.21	1525
	5.7.21	1300		5/7/21	13:24

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 5/7/2021 1:48:05PM

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:	Spur	Date Received:	05/07/21 13:24	Work Order ID:	E105021
Phone:	(575) 390-6397	Date Logged In:	05/07/21 13:46	Logged In By:	Alexa Michaels
Email:	ngladden@energystaffingllc.com	Due Date:	05/13/21 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Lynn Estes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
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 filteration 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.

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?	75' (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: 10/3/21

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

OCD Only

Received by: _____ 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: 10/3/21

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: _____

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 53582

CONDITIONS

Operator:	OGRID:
Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	328947
	Action Number: 53582
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	10/27/2021