

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2207346885
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 OCD 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:  Date: 11-11-22

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

OCD Only

Received by: Jocelyn Harimon Date: 11/15/2022

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: 2/13/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced



**BURCH KEELY UNIT #629
CLOSURE REQUEST**

**API NO. 30-015-40705
UNIT LETTER I, SECTION 24, TOWNSHIP 17S, RANGE 29E
EDDY COUNTY, NEW MEXICO**

**DATE OF RELEASE: 03/13/2022
INCIDENT NO. NAPP2207346885**

November 10, 2022

Prepared By:



November 10, 2022

New Mexico Energy, Minerals & Natural Resources
NMOCD District II
C/O Mike Bratcher, Robert Hamlet, Jennifer Nobui & Jocelyn Harimon
811 S. First Street
Artesia, NM 88210

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

Spur Energy Partners, LLC
C/O Braidy Moulder and Katherine Purvis
919 Milam Street Suite 2475
Houston, TX 77002

Subject: Closure Request for Spur Energy Partners – Burch Keely Unit #629

API No. 30-015-40705
Incident No. NAPP2207346885
Legal: U/L I, Section 24, Township 17S, Range 29E
Eddy County, New Mexico

To Whom it May Concern:

Spur Energy Partners retained Energy Staffing Services, LLC (ESS) to conduct a spill assessment for the Burch Keely Unit #629 (hereafter referred to as the “Burch Keely”) for the produced water release that occurred on March 13, 2022. On March 13th at 2:34 PM, the initial notification of the release was sent to the New Mexico Oil Conservation Division (NMOCD), District II Office and to the Bureau of Land Management via by Braidy Moulder of Spur Energy. On behalf of Spur Energy, ESS also submitted the Initial C141 Release Notification, along with the spill calculator to determine the volume of the release (attached) on same said date as above. The NMOCD accepted the C141 as record on March 14th at 12:55 PM. The incident number assigned to the release is NAPP2207346885. (Notification correspondence is attached).

This report provides a detailed description of the spill assessment, delineation, 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 the above-mentioned release.

Incident Description

On March 13th, 2022, the manifold on the waterline failed, causing fluid to be released into the pasture area. The manifold was repaired, spill notification was submitted and vacuum trucks were dispatched to the site.

ESS was dispatched to the site and conducted an environmental site assessment of the release. It was determined after measuring the impacted area and depth of saturation, that approximately 91bbls of produced water was released and approximately 5bbls of produced water was recovered. Initial site photos and measuring of the impacted surface was conducted. The impact area measured 12,053 sq. ft. Please see the initial site photos and impact map attached.

Site Characterization

The release at the Burch Keely occurred on Federal Land and is located at 32.819055 latitude and -103.022047 longitude, 2.07 miles west of Loco Hills, New Mexico. The legal description of the site is Unit Letter I, Section 24, Township 17S and Range 29E. This site is in Eddy County, New Mexico. Please see site schematic attached.

The Burch Keely consists of production lines and is near production facilities and well pads. The area of the release is in the pasture area which runs parallel to the lease road. The elevation of the release is 3,625 ft. This area is historically or has been primarily dominated by perennial grasses, black grama and other perennial forbs. Please see the attached Rangeland and Vegetation Classification information attached.

The *United States Department of Agriculture Natural Resources Conservation Services*, indicates that the soil type in the area of the Burch Keely, consists of 35.4% Berino Complex and 64.6% of Tonucco Loamy Fine Sand, both with 1 to 3% slopes. (Soil Map Attached). In the area of the Burch Keely, the *FEMA National Flood Hazard Layer* indicates that there is 0.2% annual chance of a flood hazard with a 0.1% chance of a flood with an average of depth of one foot or with drainage areas of less than one square mile. (See map attached).

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

There is no surface water located near or around the Burch Keely. The site is not near a continuously flowing watercourse and or lakebed within $\frac{1}{2}$ a mile from the release. No other critical or community features were found at the Burch Keely site. (Attached Watercourse Map)

The nearest and most recent water well to the site according to the *New Mexico Office of the State Engineer* is RA 11914 POD1, 3,275 yards from the site, drilled in March of 2013, depth of well is 80' bgs. The second water well closest to the site is RA 11807 POD1, 4,184 yards from the site, drilled in November of 2012, depth of water is 76' bgs. An extended groundwater search was conducted using the *OSE POD Location Mapping System* and it has been determined that, no other wells are found within a $\frac{1}{2}$ mile radius of the Burch Keely release. Please find the NMOSE, OSE POD and groundwater map attached to this report.

Closure Criteria Determination

The Closure Criteria for Soils impacted by a Release is shown in the below chart. No groundwater data was found within $\frac{1}{2}$ a mile radius from the release point, being on Federal Land and with having a "low karst potential," this site fell under <50' depth to ground water. This is only due to not having any water in the $\frac{1}{2}$ mile radius and being on Federal Land.

DGW	Constituent	Method	Limit
≤ 50'	Chloride	EPA 300.0 OR SM4500 CLB	600 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 METHOD 8015M	100 mg/kg
	GRO + DRO	EPA SW-846 METHOD 8015M	50 mg/kg
	BTEX	EPA SW-846 METHOD 8021B OR 8260B	10 mg/kg
	Benzene	EPA SW-846 METHOD 8021B OR 8260B	10 mg/kg

Soil Remediation Action Levels

ESS has provided sufficient data that this release has impacted the soil at the Burch Keely 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 and sample 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 airtight 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 (vertical) and sidewall sample (horizontal) was 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 March 22nd of 2022, ESS arrived on site, set the delineation sample points, GPS'd each sample point and began to obtain surface samples. Each surface sample was field analyzed, logged, then submitted to Envirotech Laboratory for confirmation. A total of 12 vertical sample points were placed along with 20 horizontal sample points. Each sample point was then sampled by use of backhoe in 1' intervals. Bottom hole samples were then submitted to the lab for confirmation. All of the vertical surface samples showed high elevations of chlorides and low indications of BTEX. No TPH was detected. Three of the sample points showed slightly elevated TPH levels at 2'bgs, these were SP10-SP12. Please see the delineation sample data below, with lab data indicated in yellow. Attached to this report you will find the sample data, delineation sample map and lab analysis.

SP ID	Depth	Titre	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	SURFACE	>4000		ND	ND	ND	ND	ND	726
	1	400							
	2	400		ND	ND	ND	ND	ND	211
SP2	SURFACE	>4000		ND	ND	ND	ND	ND	13100
	1	240							
	2	240		ND	ND	ND	ND	ND	132
SP3	SURFACE	>4000		ND	ND	ND	ND	ND	24300
	1	400							
	2	400		ND	ND	ND	ND	ND	96.7
SP4	SURFACE	>4000		ND	ND	33.5	72	105.5	61700
	1	3440							
	2	480							
	3	400		ND	ND	25.2	75.8	101	293
SP5	SURFACE	>4000		ND	ND	166	161	327	45500
	1	2720							
	2	480							
	3	320		ND	ND	27.9	88	115.9	353
SP6	SURFACE	>4000		ND	ND	ND	ND	ND	17400
	1	320							
	2	320		ND	ND	ND	ND	ND	164
SP7	SURFACE	>4000		0.148	ND	ND	ND	ND	60500
	1	400							
	2	400		ND	ND	ND	ND	ND	198
SP8	SURFACE	>4000		ND	ND	ND	ND	ND	60900
	1	320							
	2	320		ND	ND	ND	ND	ND	121
SP9	SURFACE	>4000		ND	ND	ND	ND	ND	50600
	1	480							
	2	320		ND	ND	ND	ND	ND	190
SP10	SURFACE	>4000		0.165	ND	ND	ND	ND	41100
	1	500							
	2	400		ND	ND	ND	52.9	52.9	500

SP11	SURFACE	>4000		0.0899	ND	ND	ND	ND	27800
	1	540							
	2	400		ND	ND	ND	58.4	58.4	506

SP12	SURFACE	>4000		0.0579	ND	ND	ND	ND	37400
	1	500							
	2	480		ND	ND	ND	58.3	58.3	533

SW1	SURFACE	20		ND	ND	ND	ND	ND	ND
	1	20							
	2	20		ND	ND	ND	ND	ND	20.6

SW2	SURFACE	ND		ND	ND	ND	ND	ND	ND
	1	ND							
	2	ND		ND	ND	ND	ND	ND	ND

SW3	SURFACE	ND		ND	ND	ND	ND	ND	ND
	1								
	2	ND		ND	ND	ND	ND	ND	ND

SW4	SURFACE	ND		ND	ND	ND	ND	ND	ND
	1	ND							
	2	ND		ND	ND	ND	ND	ND	ND

SW5	SURFACE	>4000		ND	ND	ND	ND	ND	15700
	1	>4000							
	2	>4000							
	3	580							
	4	ND		ND	ND	ND	ND	ND	ND

SW6	SURFACE	>4000		ND	ND	ND	ND	ND	30300
	1	>4000							
	2	2000							
	3	500							
	4	20		ND	ND	ND	ND	ND	22.5

SW7	SURFACE	20		ND	ND	ND	ND	ND	20.4
	1	20							
	2	20		ND	ND	ND	ND	ND	20.4
SW8	SURFACE	ND		ND	ND	ND	ND	ND	ND

	1	ND							
	2	ND		ND	ND	ND	ND	ND	ND
SW9	SURFACE	40		ND	ND	ND	ND	ND	44.5
	1	40							
	2	40		ND	ND	ND	ND	ND	44.8
SW10	SURFACE	60		ND	ND	ND	ND	ND	49.2
	1	60							
	2	45.1		ND	ND	ND	ND	ND	45.1
SW11	SURFACE	60		ND	ND	ND	ND	ND	47.1
	1	100							
	2	80		ND	ND	ND	ND	ND	78.5
SW12	SURFACE	80		ND	ND	ND	ND	ND	68.4
	1	100							
	2	80		ND	ND	ND	ND	ND	83.9
SW13	SURFACE	80		ND	ND	ND	ND	ND	69.5
	1	100							
	2	100		ND	ND	ND	ND	ND	87.9
SW14	SURFACE	100		ND	ND	ND	ND	ND	83.7
	1	80							
	2	80		ND	ND	ND	ND	ND	73.1
SW15	SURFACE	100		ND	ND	ND	ND	ND	89.2
	1	100							
	2	100		ND	ND	ND	ND	ND	91.3
SW16	SURFACE	100		ND	ND	ND	ND	ND	90.5
	1	100							
	2	100		ND	ND	ND	ND	ND	96.3
SW17	SURFACE	100		ND	ND	ND	ND	ND	100
	1	100							
	2	100		ND	ND	ND	ND	ND	102
SW18	SURFACE	100		ND	ND	ND	ND	ND	109
	1	100							
	2	100		ND	ND	ND	ND	ND	98.9

SW19	SURFACE	100		ND	ND	ND	ND	ND	106
	1	120							
	2	120		ND	ND	ND	ND	ND	112
SW20	SURFACE	100		ND	ND	ND	ND	ND	102
	1	100							
	2	100		ND	ND	ND	ND	ND	102

Excavation of the site began on April 26th of 2022. All of the buried lines in the area of impact were hand spotted and exposed 3' below and around the pipe. Depths of the excavation was 2'bgs except in the areas of SP4 and SP5, SP10 thru SP12. SP4 and SP5 areas were excavated to 4'bgs and SP10 thru SP12 were excavated to 3'bgs. All of the contaminated soil was stockpiled on plastic then hauled to Lea-land Disposal.

On April 27th, an email was sent to the OCD and BLM requesting a Composite Variance from 200 sq. ft. to 500 sq. ft. On April 28th, the OCD approved the variance and on May 4th, the variance from the BLM was also approved. Please see email attached. On April 29th, ESS crews began obtaining the five-point – 500 sq. ft. composite samples. Each composite was field analyzed and submitted to the Envirotech Laboratories for confirmation. Please find the composite sample map, GPS Information, composite sample data and lab analysis attached to this report. Composites 1 thru 5 and 8 thru 19 were excavated to 2'bgs, composites 6 thru 8 were excavated to 4'bgs and composites 20-25 were excavated to 3'bgs. Composite 20 thru 25 are the areas where further delineation and excavation was required due to TPH levels in the sample data of SP10 thru SP12.

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
COMP1	2'	40	ND	ND	ND	ND	ND	ND	ND
COMP2	2'	40	ND	ND	ND	ND	ND	ND	ND
COMP3	2'	20	ND	ND	ND	ND	ND	ND	ND
COMP4	2'	60	ND	ND	ND	ND	ND	ND	ND
COMP5	2'	20	ND	ND	ND	ND	ND	ND	ND
COMP6	4'	40	ND	ND	ND	ND	ND	ND	ND
COMP7	4'	60	ND	ND	ND	ND	ND	ND	ND
COMP8	4'	20	ND	ND	ND	ND	ND	ND	ND
COMP9	2'	40	ND	ND	ND	ND	ND	ND	ND
COMP10	2'	40	ND	ND	ND	ND	ND	ND	ND
COMP11	2'	40	ND	ND	ND	ND	ND	ND	ND
COMP12	2'	20	ND	ND	ND	ND	ND	ND	ND

COMP13	2'	60	ND	ND	ND	ND	ND	ND	ND
COMP14	2'	20	ND	ND	ND	ND	ND	ND	ND
COMP15	2'	ND	ND	ND	ND	ND	ND	ND	ND
COMP16	2'	60	ND	ND	ND	ND	ND	ND	ND
COMP17	2'	40	ND	ND	ND	ND	ND	ND	ND
COMP18	2'	ND	ND	ND	ND	ND	ND	ND	ND
COMP19	2'	ND	ND	ND	ND	ND	ND	ND	ND
COMP20	3'	ND	ND	ND	ND	ND	ND	ND	ND
COMP21	3'	ND	ND	ND	ND	ND	ND	ND	ND
COMP22	3'	40	ND	ND	ND	ND	ND	ND	ND
COMP23	3'	60	ND	ND	ND	ND	ND	ND	ND
COMP24	3'	60	ND	ND	ND	ND	ND	ND	ND
COMP25	3'	40	ND	ND	ND	ND	ND	ND	ND
SW1		20	ND	ND	ND	ND	ND	ND	ND
SW2		ND	ND	ND	ND	ND	ND	ND	ND
SW3		20	ND	ND	ND	ND	ND	ND	ND
SW4		ND	ND	ND	ND	ND	ND	ND	ND
SW5		ND	ND	ND	ND	ND	ND	ND	ND
SW6		40	ND	ND	ND	ND	ND	ND	ND
SW7		40	ND	ND	ND	ND	ND	ND	ND
SW8		20	ND	ND	ND	ND	ND	ND	ND
SW9		20	ND	ND	ND	ND	ND	ND	ND
SW10		60	ND	ND	ND	ND	ND	ND	ND
SW11		40	ND	ND	ND	ND	ND	ND	ND
SW12		40	ND	ND	ND	ND	ND	ND	ND
SW13		ND	ND	ND	ND	ND	ND	ND	ND

A total of 496.77 cubic yards of contaminated soil was excavated and hauled to Lea-land Disposal. Clean caliche in the amount of 80 cubic yards was purchased from Lea-land and 432 cubic yards of topsoil was purchased from Key Livestock Pit to backfill the excavation.

Closure Request

On behalf of Spur Energy Partners, ESS requests that the incident (NAPP2207346885), be closed for the release that occurred in the pasture area for the Burch Keely Unit #629. Spur Energy Partners and ESS certifies that all of the information provided and that is detailed in this report, is true and correct. We have also complied with all of the applicable closure requirements for the release that occurred on the Burch Keely Unit #629. Please find the final C141 attached to this report.

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 (575)393-9048. You may also email any issues or concerns to natalie@energystaffingllc.com

Sincerely,



Director of Environmental and Regulatory Services

Energy Staffing Services, LLC.

2724 NW County Road

Hobbs, NM 88240

Office: 575-393-9048

Cell: 575-390-6397

Email: natalie@energystaffingllc.com



Attachments:

- Initial Spill Notification Email
- Initial C141 and Spill Calculator
- NMOCD C141 Approval Email
- Initial Site Photos
- Impact Map
- Site Map
- Rangeland and Vegetation Classification
- Soil Map
- FEMA Flood Map
- Karst Map
- Watercourse Map
- Groundwater Data and Map
- OSE POD Groundwater Map
- Delineation Sample Data
- Delineation Sample Map
- Delineation Sample GPS Log
- Composite Variance and Notification Email
- Composite Sample Data
- Composite Sample Map
- Composite Sample GPS Log

Lab Analysis
Final Photos
Final C141

Natalie Gladden

From: Braidy Moulder <bmoulder@spurenergy.com>
Sent: Monday, March 14, 2022 7:44 AM
To: Natalie Gladden
Subject: FW: (NOR) Manifold on waterline - closest well Burch Keely #629

From: Braidy Moulder
Sent: Sunday, March 13, 2022 2:34 PM
To: Jim Griswold (Jim.Griswold@state.nm.us) <jim.griswold@state.nm.us>; mike.bratcher@state.nm.us; Chad.Hensley@state.nm.us; Robert.Hamlet@state.nm.us
Cc: Todd@spurepllc.com; John Nabors <John@spureenergy.com>; Seth Ireland <Seth@spureenergy.com>; Brad Coffey <Brad@spureenergy.com>; Sarah Chapman <schapman@spureenergy.com>; Jerry Mathews <jmathews@spureenergy.com>; Kenny Kidd <kkidd@spureenergy.com>
Subject: (NOR) Manifold on waterline - closest well Burch Keely #629

To whom it may concern:

Spur Energy Partners LLC [328947] is reporting a release "in the pasture" at the Burch Keely #629.
Surface Location: Unit I Sec. 24-T17S-R29E; API# 30-015-40705
GPS Coordinates: 32.819055, -104022047
Date of Release: 03/13/2022
Amount of Release: approx. 91 bbls
Amount Recovered: 5 bbls

This released occurred "in the pasture". Vacuum trucks were dispatched, and all standing fluid was recovered. The source of the release was stopped, and the impacted area was secured to protect human health and the environment.

Spur will have the site evaluated to determine any impacts, will submit a C-141 for the release and remediate to OCD Standards. If you have any questions, please feel free to contact us.

Braidy Moulder
EHS Manager
Spur Energy Partners, LLC.
713-264-2517



Disclaimer

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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	NAPP2207346885
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party SPUR ENERGY PARTNERS	OGRID 328947
Contact Name BRAIDY MOULDER	Contact Telephone 713-264-2517
Contact email bmoulder@spurenergy.com	Incident # (assigned by OCD)
Contact mailing address 919 MILAM STREET SUITE 2475	HOUSTON, TEXAS 77002

Location of Release Source

Latitude **32.819055** Longitude **-104.022047**
(NAD 83 in decimal degrees to 5 decimal places)

Site Name BURCH KEELY UNIT #629	Site Type PRODUCTION
Date Release Discovered 03/13/2022	API# (if applicable) 30-015-40705

Unit Letter	Section	Township	Range	County
I	24	17S	29E	EDDY

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 91BBLS	Volume Recovered (bbls) 5BBLS
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Manifold on waterline failed, causing fluid to be released in the pasture area. Vacuum trucks were dispatched to recover the standing fluid. The source of the release was stopped and repaired.

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? VOLUME OF RELEASE
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? SPUR ENERGY EMAILED THE STATE AT 2:34 PM. EMAIL WAS SENT BY B. MOULDER TO THE OCD, BRATCHER, HENSLEY, GRISWOLD AND HAMLET.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Natalie Gladden Title: Director of Environmental and Regulatory	
Signature: <u>Natalie Gladden</u> Date: <u>3-14-2022</u>	
email: <u>Natalie@energystaffingllc.com</u> Telephone: <u>575-390-6397 or 575-393-9048</u>	
OCD Only	
Received by: <u>Jocelyn Harimon</u> Date: <u>03/14/2022</u>	

Verizon LTE 11:37 AM 65%

Copy of Spur Spill Calculator 6.24.2021 copy

fx Fluid present when squeezed

	A	B	C	D	E	F
1						
2	Spill Volume(Bbls) Calculator					
3	Inputs in blue, Outputs in red					
4	Length(Ft)	Width(Ft)	Depth(In)			
5	100.000	20.000	24.000			
6	Cubic Feet Impacted		4000.000			
7	Barrels		712.38			
8	Soil Type		Sand			
9	Bbls Assuming 100% Saturation		142.48			
10	Saturation	Fluid present when squeezed				
11	Estimated Barrels Released		71.30000			
12						
13	Instructions					
14	1. Input spill measurements below. Length and width need to be input in feet and depth in inches.					
15	2. Select a soil type from the drop down menu.					
16	3. Select a saturation level from the drop down menu.					
17	(For data gathering instructions see appendix tab)					
18						
19	Measurements					
20						
21	Length (ft)	100				
22	Width (ft)	20				
23	Depth (in)	24				
24						
25						
26						
27						
28						
29						
30						
31						
32						

Calculator Appendix +

Verizon LTE 11:34 AM 67%

Copy of Spur Spill Calculator 6.24.2021 copy

f_x 6

Spill Volume(Bbls) Calculator		
Inputs in blue, Outputs in red		
Length(Ft)	Width(Ft)	Depth(In)
750.000	6.000	6.000
Cubic Feet Impacted		2250.000
Barrels		400.71
Soil Type		Clay
Bbls Assuming 100% Saturation		40.07
Saturation	Fluid present when squeezed	
Estimated Barrels Released		20.10000

Instructions

1. Input spill measurements below. Length and width need to be input in feet and depth in inches.
2. Select a soil type from the drop down menu.
3. Select a saturation level from the drop down menu.

(For data gathering instructions see appendix tab)

Measurements	
Length (ft)	750
Width (ft)	6
Depth (in)	6

Calculator Appendix +

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 90051

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 90051
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	3/15/2022

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QUESTIONS

Action 90045

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 90045
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all of the questions in this group.</i>	
Site Name	BURCH KEELY UNIT #629
Date Release Discovered	03/13/2022
Surface Owner	State

Incident Details	
<i>Please answer all of the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Other (Specify) Produced Water Released: 91 BBL Recovered: 5 BBL Lost: 86 BBL
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 90045

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 90045
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by 19.15.29.7(A) NMAC	Yes, major release.
Reasons why this would be considered a submission for a notification of a major release	<ul style="list-style-type: none"> Unauthorized release of a volume, excluding gases, of 25 barrels or more
If YES, was immediate notice given to the OCD, by whom	BRAIDY MOULDER
If YES, was immediate notice given to the OCD, to whom	OCD ONLINE, BRATCHER, HAMLET, HENSLEY, GRISWOLD
If YES, was immediate notice given to the OCD, when	03/13/2022
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	EMAIL
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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 prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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ACKNOWLEDGMENTS

Action 90045

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 90045
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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CONDITIONS

Action 90045

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 90045
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
ngladden1	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	3/14/2022

Natalie Gladden

From: OCDOnline@state.nm.us
Sent: Tuesday, March 15, 2022 11:34 AM
To: Natalie Gladden
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 90051

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

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2207346885, with the following conditions:

- **None**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Jocelyn Harimon
Environmental Specialist
575-748-1283
Jocelyn.Harimon@state.nm.us

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

**SPUR ENERGY
BURCH KEELY UNIT 629
INITIAL SITE PHOTOS**














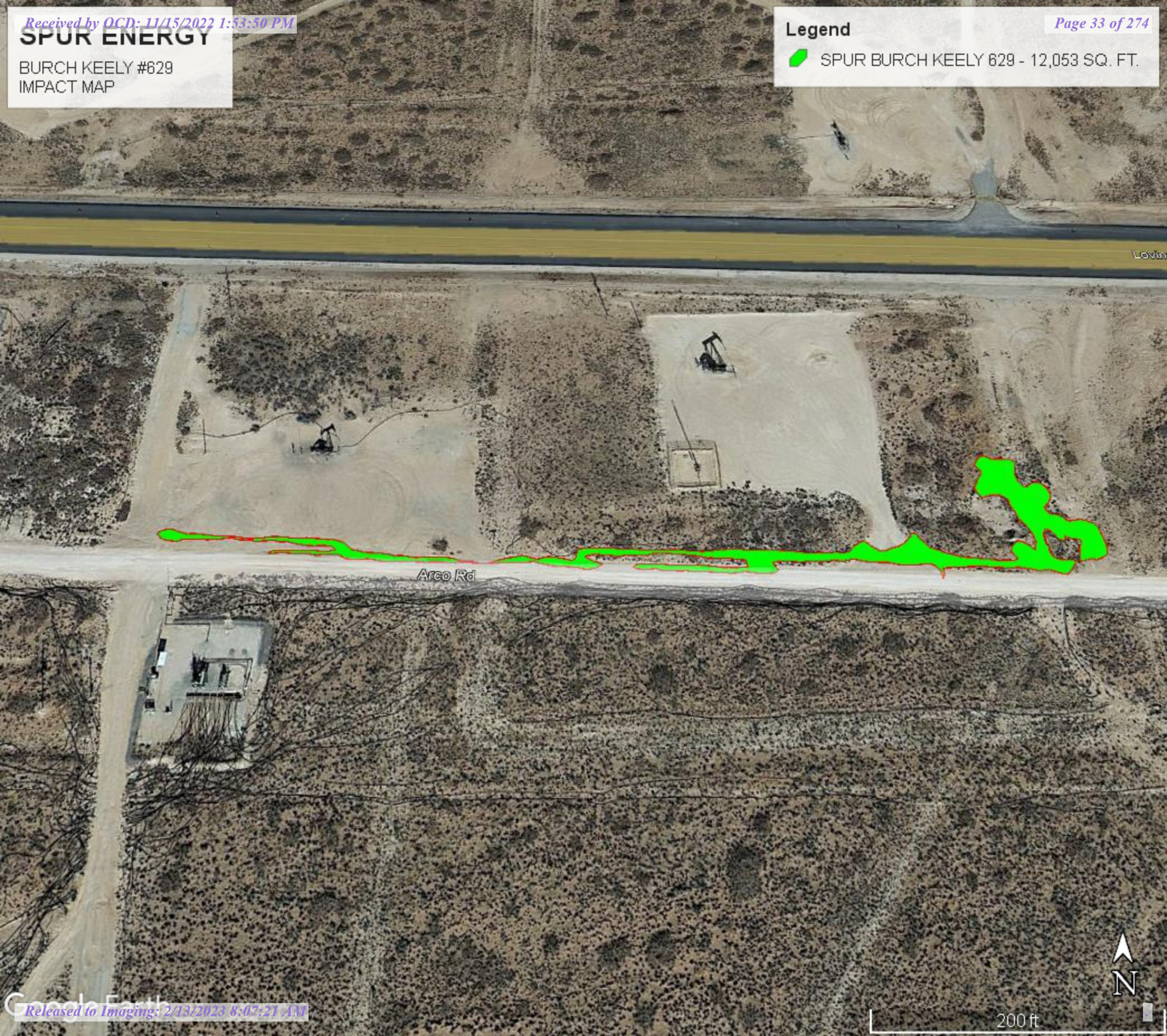


SPUR ENERGY

BURCH KEELY #629
IMPACT MAP

Legend

 SPUR BURCH KEELY 629 - 12,053 SQ. FT.



Arco Rd




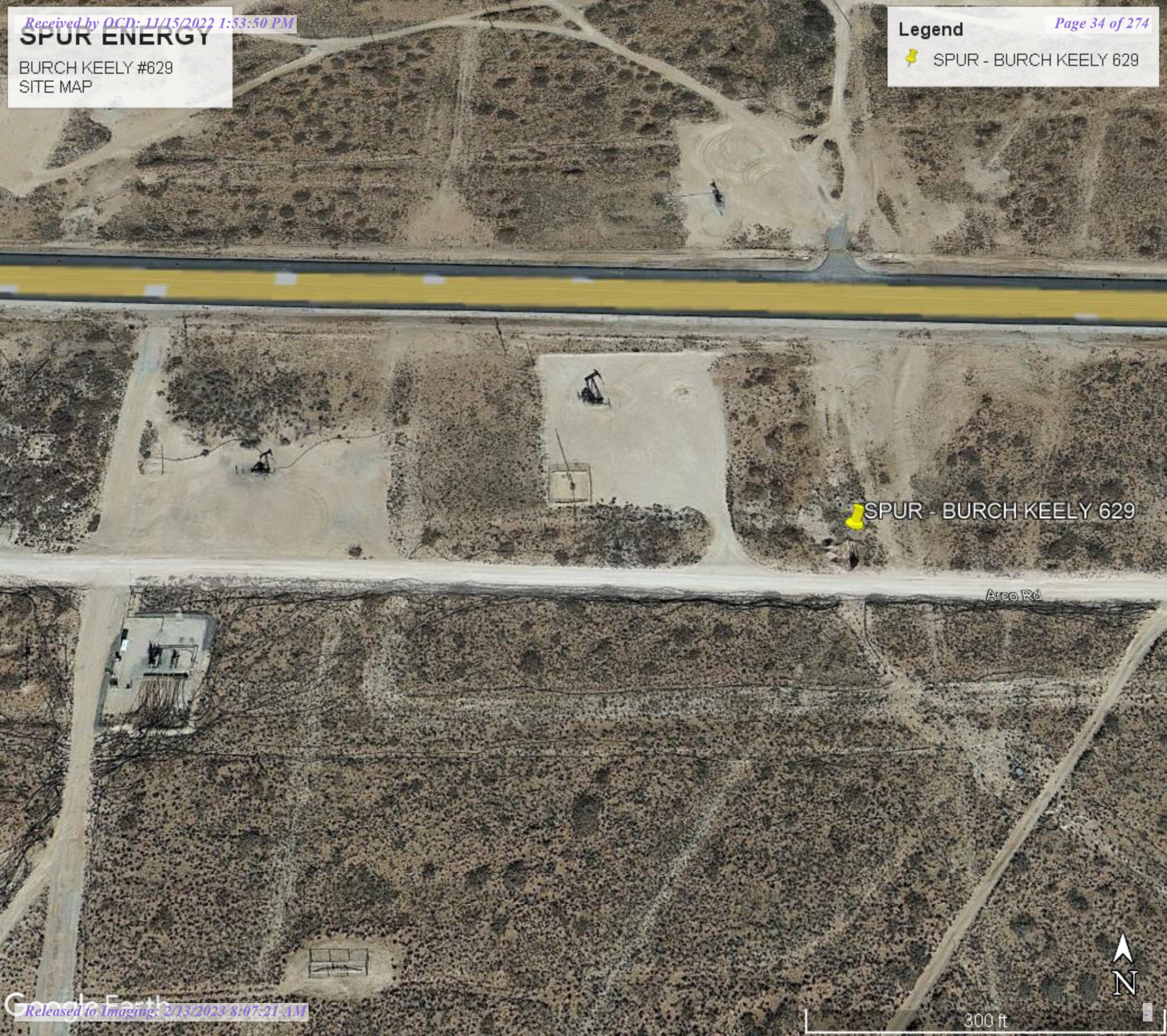
200 ft

SPUR ENERGY

BURCH KEELY #629
SITE MAP

Legend

 SPUR - BURCH KEELY 629



 SPUR - BURCH KEELY 629

Arco Rd



300 ft

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---Eddy Area, New Mexico

BURCH KEELY UNIT #629

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition--Eddy Area, 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
		<i>Lb/ac</i>	<i>Lb/ac</i>	<i>Lb/ac</i>		<i>Pct dry wt</i>	<i>Pct dry wt</i>	
BB—Berino complex, 0 to 3 percent slopes, eroded								
Berino	Loamy Sand (R070BD003NM)	1,800	—	650	other perennial grasses	25		
					black grama	15		
					other perennial forbs	15		
					dropseed	10		
					little bluestem	10		
					other shrubs	10		
					bush muhly	5		
					cane bluestem	5		
					Havard's oak	5		
Pajarito	Loamy Sand (R070BD003NM)	1,800	—	650	black grama	15		
					other perennial forbs	15		
					dropseed	10		
					little bluestem	10		
					other perennial grasses	10		
					rabo de ardilla	10		
					bush muhly	5		
					cane bluestem	5		
					fall witchgrass	5		
					Havard's oak	5		
					other shrubs	5		
					sand sagebrush	5		



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

11/10/2022
Page 4 of 5

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition---Eddy Area, New Mexico

BURCH KEELY UNIT #629

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition--Eddy Area, 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
		<i>Lb/ac</i>	<i>Lb/ac</i>	<i>Lb/ac</i>		<i>Pct dry wt</i>	<i>Pct dry wt</i>	
TF—Tonuco loamy fine sand, 0 to 3 percent slopes								
Tonuco	Sandy (R070BD004NM)	—	—	—	—			

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 18, Sep 8, 2022

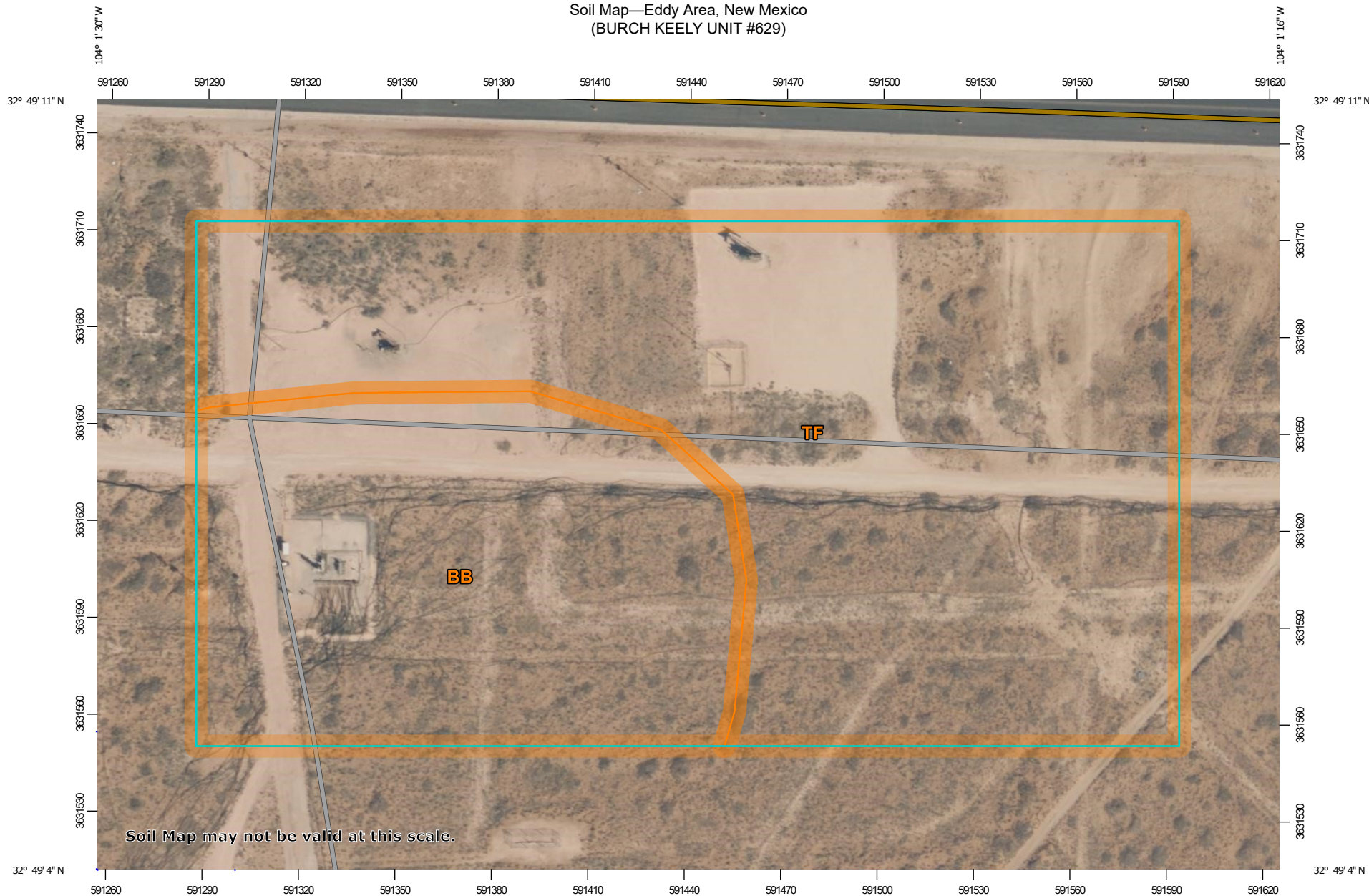


Natural Resources
Conservation Service

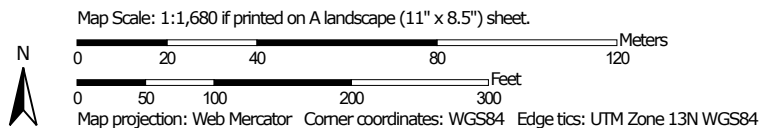
Web Soil Survey
National Cooperative Soil Survey

11/10/2022
Page 5 of 5

Soil Map—Eddy Area, New Mexico
(BURCH KEELY UNIT #629)



Soil Map may not be valid at this scale.



Natural Resources
Conservation Service


Web Soil Survey
National Cooperative Soil Survey

11/10/2022
Page 1 of 3

Soil Map—Eddy Area, New Mexico
(BURCH KEELY UNIT #629)

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: Eddy Area, New Mexico

Survey Area Data: Version 18, Sep 8, 2022

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.



Soil Map—Eddy Area, New Mexico

BURCH KEELY UNIT #629

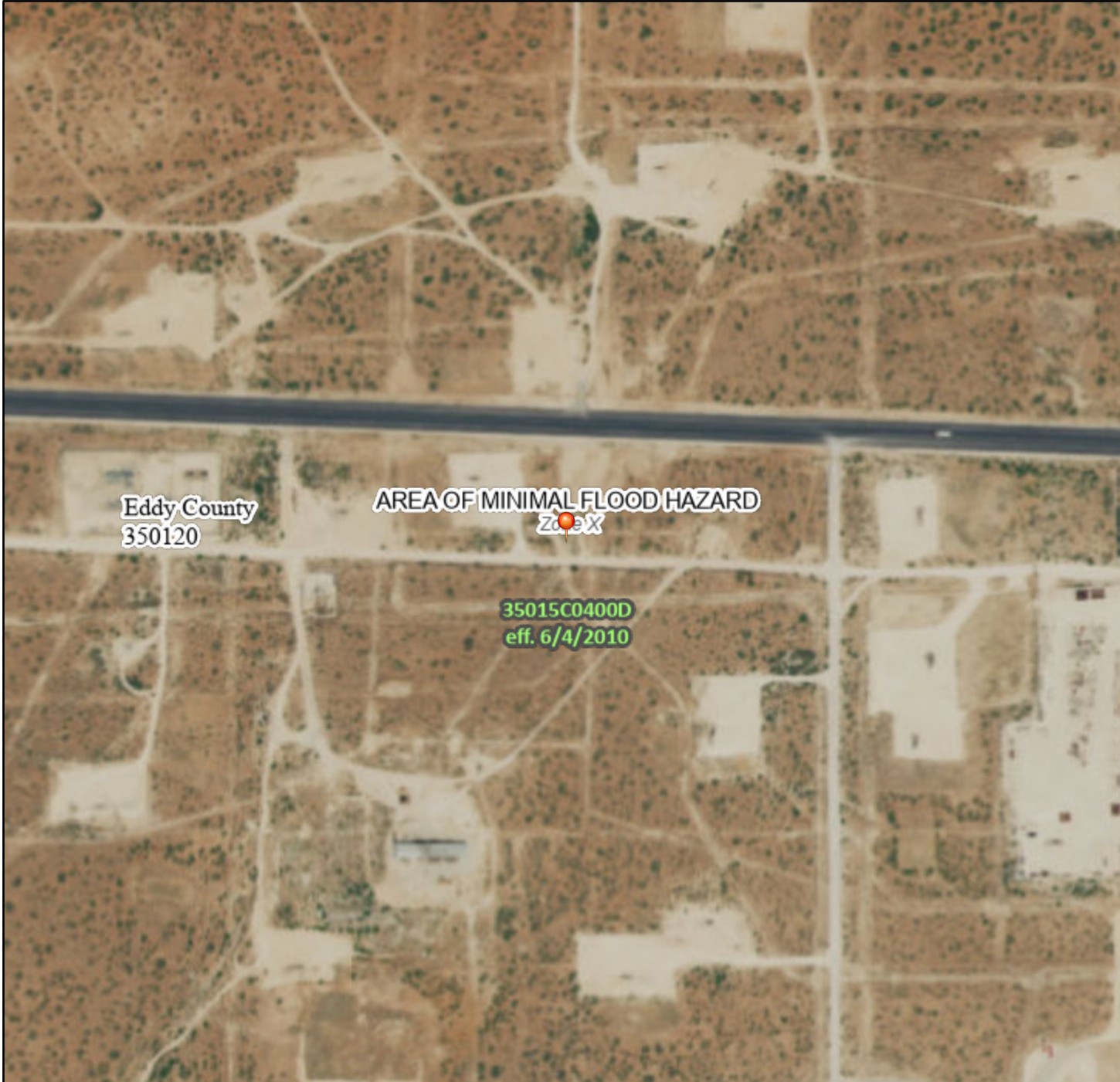
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BB	Berino complex, 0 to 3 percent slopes, eroded	4.4	35.4%
TF	Tonuco loamy fine sand, 0 to 3 percent slopes	8.0	64.6%
Totals for Area of Interest		12.3	100.0%

National Flood Hazard Layer FIRMette



104°1'38"W 32°49'24"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000 104°1'1"W 32°48'53"N

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/27/2022 at 1:56 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

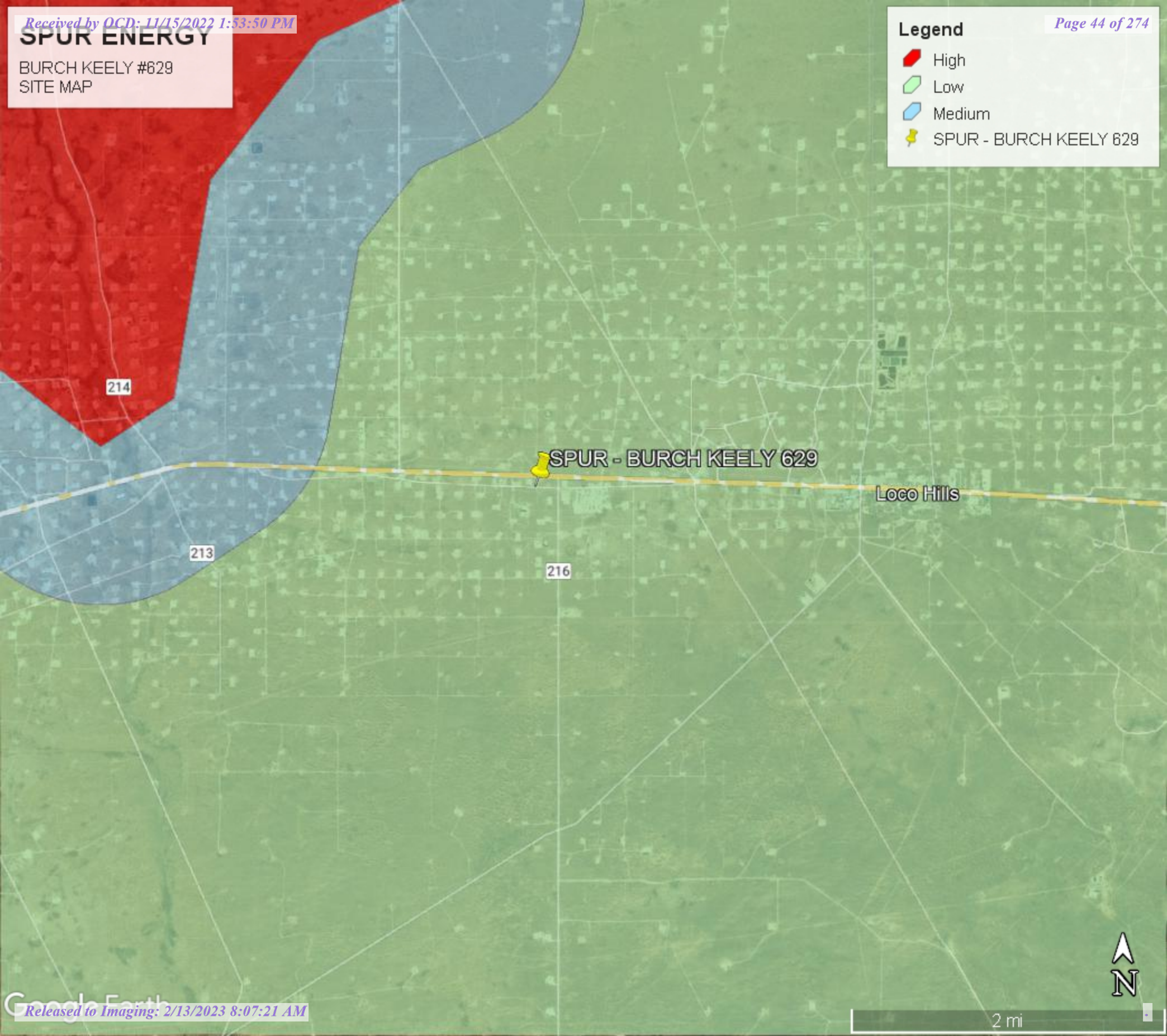
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

SPUR ENERGY

BURCH KEELY #629
SITE MAP

Legend

- High
- Low
- Medium
- SPUR - BURCH KEELY 629




2 mi

SPUR ENERGY

BURCH KEELY #629
WATER COURSE MAP

Legend

 BURCH KEELY #629

 BURCH KEELY #629



800 ft



New Mexico Office of the State Engineer

Wells with Well Log Information

No wells found.

UTMNAD83 Radius Search (in meters):

Easting (X): 591544.16

Northing (Y): 3631651.11

Radius: 1000

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

3/14/22 12:19 PM

WELLS WITH WELL LOG INFORMATION



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			q q q																
POD Number	Code	Subbasin	County	Source	6416 4	Sec	Tws	Rng	X	Y		Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller		License Number	
RA 11914 POD1		RA	ED	Shallow	2 4 2	20	17S	30E	594801	3632002		3275	03/19/2013	03/19/2013	04/09/2013	85	80	JOHN NORRIS		1682	
RA 11807 POD1		RA	ED	Shallow	1 2 3	22	17S	29E	587360	3631585		4184	11/23/2012	11/26/2012	03/26/2013	131	76	TAYLOR, CLINTON E.		1348	

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 591544.16

Northing (Y): 3631651.11

Radius: 5000

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

3/14/22 12:21 PM


WELLS WITH WELL LOG INFORMATION



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 11914	POD1	2	4	2	20	17S	30E	594801	3632002 

Driller License: 1682 **Driller Company:** HUNGRY HORSE, LLC.

Driller Name: JOHN NORRIS

Drill Start Date: 03/19/2013

Drill Finish Date: 03/19/2013

Plug Date:

Log File Date: 04/09/2013

PCW Rcv Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well: 85 feet

Depth Water: 80 feet

Water Bearing Stratifications:	Top	Bottom	Description
	11	85	Sandstone/Gravel/Conglomerate

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

3/14/22 12:21 PM

Page 1 of 1

POD SUMMARY - RA 11914 POD1



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 11807	POD1	1	2	3	22	17S	29E	587360	3631585

Driller License: 1348	Driller Company: TAYLOR WATER WELL SERVICE
Driller Name: TAYLOR, CLINTON E.	
Drill Start Date: 11/23/2012	Drill Finish Date: 11/26/2012
Log File Date: 03/26/2013	PCW Rcv Date:
Pump Type:	Pipe Discharge Size:
Casing Size: 4.50	Depth Well: 131 feet
	Plug Date:
	Source: Shallow
	Estimated Yield: 4 GPM
	Depth Water: 76 feet

Water Bearing Stratifications:	Top	Bottom	Description
	104	128	Other/Unknown

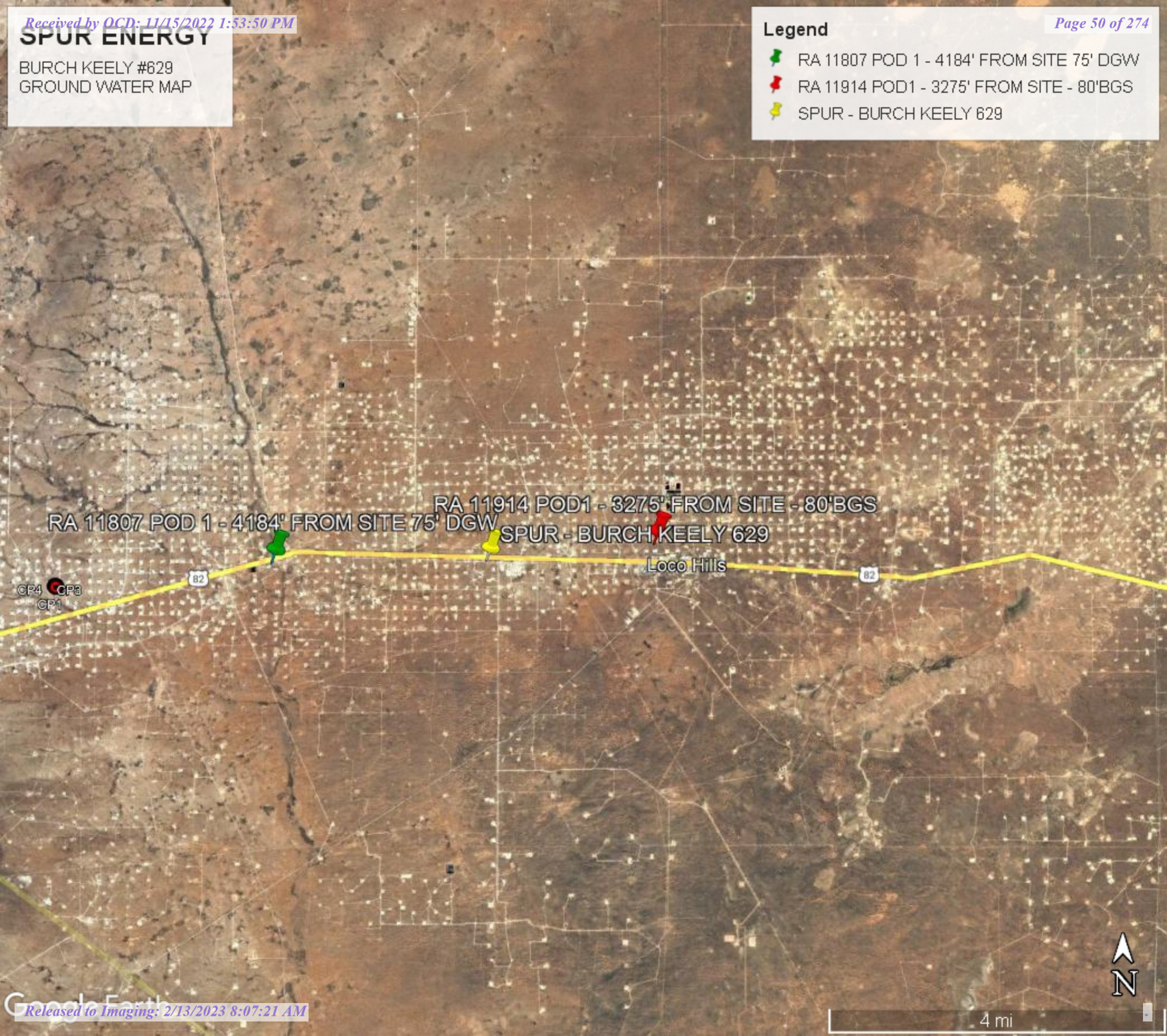
Casing Perforations:	Top	Bottom
	91	131

SPUR ENERGY

BURCH KEELY #629
GROUND WATER MAP

Legend

- RA 11807 POD 1 - 4184' FROM SITE 75' DGW
- RA 11914 POD1 - 3275' FROM SITE - 80'BGS
- SPUR - BURCH KEELY 629



RA 11807 POD 1 - 4184' FROM SITE 75' DGW

RA 11914 POD1 - 3275' FROM SITE - 80'BGS

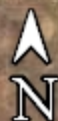
SPUR - BURCH KEELY 629

Loco Hills

82

82

CP4 CP3
CP1



N

4 mi

OSE POD Locations Map



3/14/2022, 12:39:06 PM

GIS WATERS PODs

OSE District Boundary

Both Estates

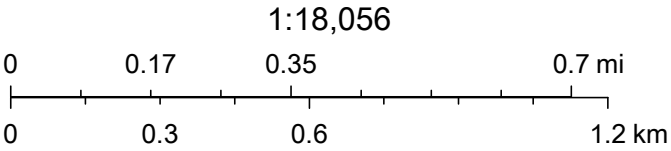
Active

New Mexico State Trust Lands

SiteBoundaries

Pending

Subsurface Estate



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

Company Name: SPUR Location Name: BURCH KEELY UNIT #629 Release Date: 3/13/2022

DELINEATION SAMPLE DATA

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
SP1	SURFACE	>4000		ND	ND	ND	ND	ND	726		
	1	400									
	2	400		ND	ND	ND	ND	ND	211		
SP2	SURFACE	>4000		ND	ND	ND	ND	ND	13100		
	1	240									
	2	240		ND	ND	ND	ND	ND	132		
SP3	SURFACE	>4000		ND	ND	ND	ND	ND	24300		
	1	400									
	2	400		ND	ND	ND	ND	ND	96.7		
SP4	SURFACE	>4000		ND	ND	33.5	72	105.5	61700		
	1	3440									
	2	480									
	3	400		ND	ND	25.2	75.8	101	293		Will be delineated during excv
SP5	SURFACE	>4000		ND	ND	166	161	327	45500		
	1	2720									
	2	480									
	3	320		ND	ND	27.9	88	115.9	353		Will be delineated during excv
SP6	SURFACE	>4000		ND	ND	ND	ND	ND	17400		
	1	320									
	2	320		ND	ND	ND	ND	ND	164		
SP7	SURFACE	>4000		0.148	ND	ND	ND	ND	60500		
	1	400									
	2	400		ND	ND	ND	ND	ND	198		
SP8	SURFACE	>4000		ND	ND	ND	ND	ND	60900		

	1	320									
	2	320		ND	ND	ND	ND	ND	121		
SP9	SURFACE	>4000		ND	ND	ND	ND	ND	50600		
	1	480									
	2	320		ND	ND	ND	ND	ND	190		
SP10	SURFACE	>4000		0.165	ND	ND	ND	ND	41100		
	1	500									
	2	400		ND	ND	ND	52.9	52.9	500		Will be delineated during excv
SP11	SURFACE	>4000		0.0899	ND	ND	ND	ND	27800		
	1	540									
	2	400		ND	ND	ND	58.4	58.4	506		Will be delineated during excv
SP12	SURFACE	>4000		0.0579	ND	ND	ND	ND	37400		
	1	500									
	2	480		ND	ND	ND	58.3	58.3	533		Will be delineated during excv
SW1	SURFACE	20		ND	ND	ND	ND	ND	ND		
	1	20									
	2	20		ND	ND	ND	ND	ND	20.6		
SW2	SURFACE	ND		ND	ND	ND	ND	ND	ND		
	1	ND									
	2	ND		ND	ND	ND	ND	ND	ND		
SW3	SURFACE	ND		ND	ND	ND	ND	ND	ND		
	1										
	2	ND		ND	ND	ND	ND	ND	ND		
SW4	SURFACE	ND		ND	ND	ND	ND	ND	ND		
	1	ND									
	2	ND		ND	ND	ND	ND	ND	ND		

SW5	SURFACE	>4000		ND	ND	ND	ND	ND	15700		
	1	>4000									
	2	>4000									
	3	580									
	4	ND		ND	ND	ND	ND	ND	ND		

SW6	SURFACE	>4000		ND	ND	ND	ND	ND	30300		
	1	>4000									
	2	2000									
	3	500									
	4	20		ND	ND	ND	ND	ND	22.5		

SW7	SURFACE	20		ND	ND	ND	ND	ND	20.4		
	1	20									
	2	20		ND	ND	ND	ND	ND	20.4		

SW8	SURFACE	ND		ND	ND	ND	ND	ND	ND		
	1	ND									
	2	ND		ND	ND	ND	ND	ND	ND		

SW9	SURFACE	40		ND	ND	ND	ND	ND	44.5		
	1	40									
	2	40		ND	ND	ND	ND	ND	44.8		

SW10	SURFACE	60		ND	ND	ND	ND	ND	49.2		
	1	60									
	2	45.1		ND	ND	ND	ND	ND	45.1		

SW11	SURFACE	60		ND	ND	ND	ND	ND	47.1		
	1	100									
	2	80		ND	ND	ND	ND	ND	78.5		





SW12	SURFACE	80		ND	ND	ND	ND	ND	68.4		
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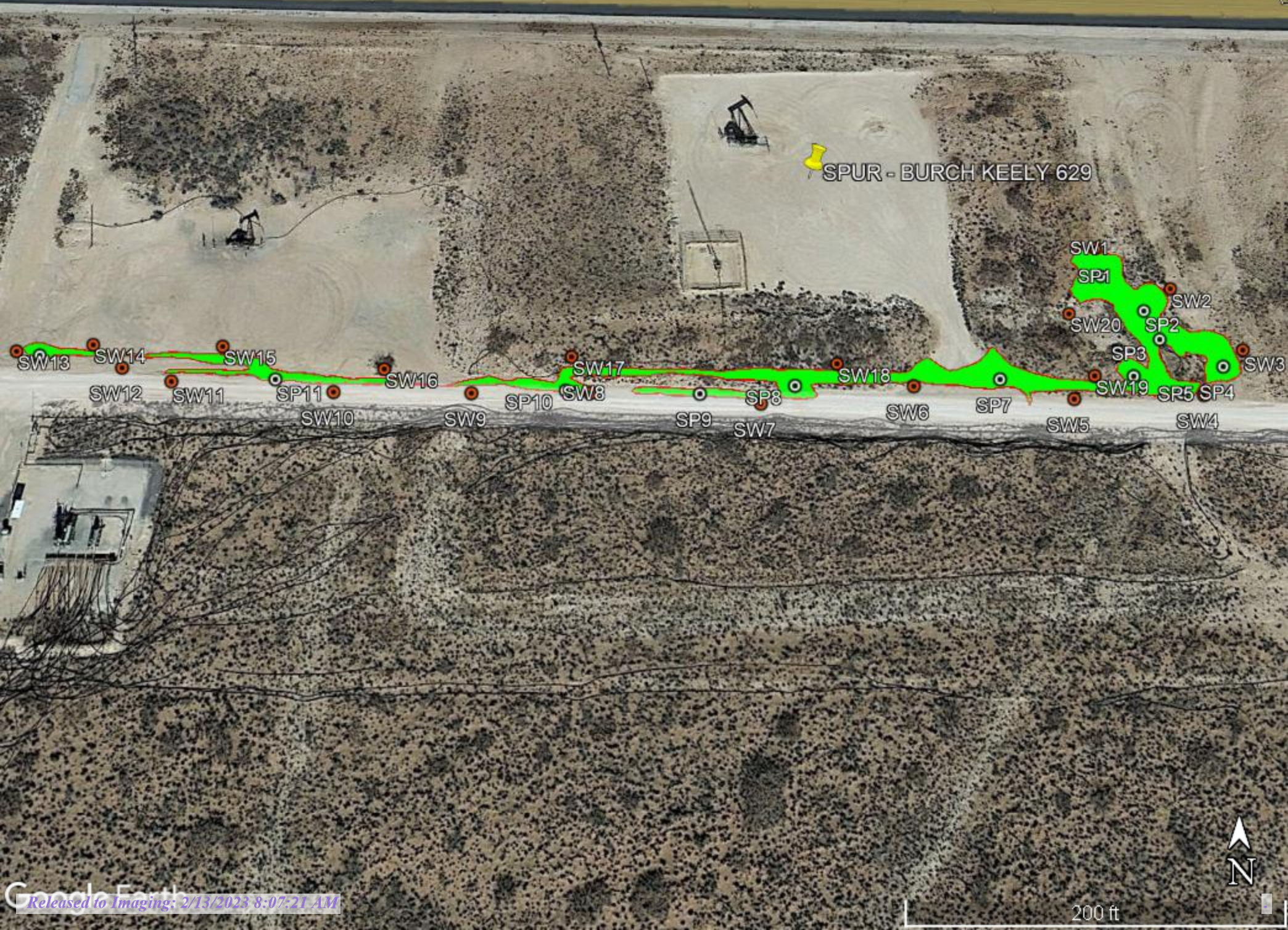
	1	100									
	2	80		ND	ND	ND	ND	ND	83.9		
SW13	SURFACE	80		ND	ND	ND	ND	ND	69.5		
	1	100									
	2	100		ND	ND	ND	ND	ND	87.9		
SW14	SURFACE	100		ND	ND	ND	ND	ND	83.7		
	1	80									
	2	80		ND	ND	ND	ND	ND	73.1		
SW15	SURFACE	100		ND	ND	ND	ND	ND	89.2		
	1	100									
	2	100		ND	ND	ND	ND	ND	91.3		
SW16	SURFACE	100		ND	ND	ND	ND	ND	90.5		
	1	100									
	2	100		ND	ND	ND	ND	ND	96.3		
SW17	SURFACE	100		ND	ND	ND	ND	ND	100		
	1	100									
	2	100		ND	ND	ND	ND	ND	102		
SW18	SURFACE	100		ND	ND	ND	ND	ND	109		
	1	100									
	2	100		ND	ND	ND	ND	ND	98.9		
SW19	SURFACE	100		ND	ND	ND	ND	ND	106		
	1	120									
	2	120		ND	ND	ND	ND	ND	112		
SW20	SURFACE	100		ND	ND	ND	ND	ND	102		
	1	100									
	2	100		ND	ND	ND	ND	ND	102		

SPUR ENERGY

BURCH KEELY #629
DELINEATION SAMPLE MAP

Legend

-  HORIZONTAL SAMPLE POINTS
-  SPUR - BURCH KEELY 629
-  SPUR BURCH KEELY 629 - 12,053 SQ. FT.
-  VERTICAL SAMPLE POINTS



CLIENTS	SPUR ENERGY
LOCATION	BURCH KEELY UNIT #629
	DELINEATION GPS

[illegible]

Natalie Gladden

From: Morgan, Crisha A <camorgan@blm.gov>
Sent: Wednesday, May 4, 2022 9:20 AM
To: Natalie Gladden; Hamlet, Robert, EMNRD; Chad Hensley
Cc: Braidy Moulder; Dakoatah Montanez; Bratcher, Mike, EMNRD; Nobui, Jennifer, EMNRD; Amos, James A; CFO_Spill, BLM_NM
Subject: Re: [EXTERNAL] Spur Energy - Burch Keely #629 - Composite Variance Request

All,

Please consider this BLM's approval for the variance request of the pasture area composite sampling from 200 sq. ft. to 500 sq. ft. for the Burch Keely Unit 629 release that occurred 03/13/2022. Incident Number NAPP2207346885.

Please let me know if you have any questions, or need anything further.

Crisha A. Morgan | Certified - Environmental Protection Specialist | Program Officer | COR | Spills Coordinator | Orphaned Well POC Lead
 Bureau of Land Management | Carlsbad Field Office
 620 E. Greene Street Carlsbad, NM 88220
 Cell 575-200-8648 | Office 575-234-5987 | camorgan@blm.gov



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From: Natalie Gladden <natalie@energystaffingllc.com>
Sent: Thursday, April 28, 2022 7:37 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Chad Hensley <chensley@spurenergy.com>
Cc: Braidy Moulder <boulder@spurenergy.com>; Dakoatah Montanez <dakoatah@energystaffingllc.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Amos, James A <jamos@blm.gov>; Morgan, Crisha A <camorgan@blm.gov>
Subject: RE: [EXTERNAL] Spur Energy - Burch Keely #629 - Composite Variance Request

Will do, thank you!

Natalie Gladden

Director of Environmental and Regulatory Services

Energy Staffing Services, LLC.

2724 NW County Road

Hobbs, NM 88240

Cell: 575-390-6397

Office: 575-393-9048

Email: natalie@energystaffingllc.com



From: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>

Sent: Thursday, April 28, 2022 7:36 AM

To: Natalie Gladden <natalie@energystaffingllc.com>; Chad Hensley <chensley@spurenergy.com>

Cc: Braidy Moulder <boulder@spurenergy.com>; Dakoatah Montanez <dakoatah@energystaffingllc.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Amos, James A <jamos@blm.gov>

Subject: RE: [EXTERNAL] Spur Energy - Burch Keely #629 - Composite Variance Request

Natalie,

The variance request for closure samples not to exceed 500 ft² is approved. The variance request will be placed in the incident file for future reference. Also, please make sure to include in closure report.

Regards,

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

811 S. First Street | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

<http://www.emnrd.state.nm.us/OCD/>



From: Natalie Gladden <natalie@energystaffingllc.com>

Sent: Wednesday, April 27, 2022 3:19 PM

To: Chad Hensley <chensley@spurenergy.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>

Cc: Braidy Moulder <bmoulder@spurenergy.com>; Dakoatah Montanez <dakoatah@energystaffingllc.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Amos, James A <amos@blm.gov>

Subject: RE: [EXTERNAL] Spur Energy - Burch Keely #629 - Composite Variance Request

Robert,

This site is in low karst, on BLM minerals, ground water is 76-80' bgs with no data within ½ a mile radius. This site was delineated following the most stringent sampling protocol and will be excavated the same. The composite map is included in this email. This is a narrow and long release impact area. There is no flood issues as well.

Let me know if you have any questions or would like more information.

Natalie Gladden

Director of Environmental and Regulatory Services

Energy Staffing Services, LLC.

2724 NW County Road

Hobbs, NM 88240

Cell: 575-390-6397

Office: 575-393-9048

Email: natalie@energystaffingllc.com



From: Chad Hensley <chensley@spurenergy.com>

Sent: Wednesday, April 27, 2022 10:48 AM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>

Cc: Braidy Moulder <bmoulder@spurenergy.com>; Natalie Gladden <natalie@energystaffingllc.com>; Dakoatah Montanez <dakoatah@energystaffingllc.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Subject: RE: [EXTERNAL] Spur Energy - Burch Keely #629 - Composite Variance Request

Done Rob. We will get that over to you promptly.

Thanks!

From: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>

Sent: Wednesday, April 27, 2022 10:45 AM

To: Chad Hensley <chensley@spurenergy.com>

Cc: Braidy Moulder <bmoulder@spurenergy.com>; natalie@energystaffingllc.com; dakoatah@energystaffingllc.com; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>

Subject: RE: [EXTERNAL] Spur Energy - Burch Keely #629 - Composite Variance Request

[EXTERNAL]

Chad,

We would need a proposed sampling grid map and sampling statistics showing equal or better protection of fresh water, public health and the environment. The demonstration should show that depth to groundwater and karst are not an issue. Also, that it's not within a 100-year floodplain.

Regards,

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

811 S. First Street | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

<http://www.emnrd.state.nm.us/OCD/>



From: Chad Hensley <chensley@spurenergy.com>
Sent: Wednesday, April 27, 2022 10:17 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Cc: Braidy Moulder <bmoulder@spurenergy.com>; natalie@energystaffingllc.com; dakoatah@energystaffingllc.com; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Subject: RE: [EXTERNAL] Spur Energy - Burch Keely #629 - Composite Variance Request

Rob,

We, Spur, will include all communications in the workplan/closure report so that requirement should always be satisfied. As for the e-mail request for a variance on sample size, hydrology and a scaled map will be sent for variances request. Will that satisfy an e-mail request, or would you want other information?

Chad Hensley
EHS Coordinator
Spur Energy Partners, LLC.
346-339-1494



Begin forwarded message:

From: "Hamlet, Robert, EMNRD" <Robert.hamlet@state.nm.us>
Date: April 27, 2022 at 9:18:05 AM MDT
To: Natalie Gladden <natalie@energystaffingllc.com>
Cc: Braidy Moulder <bmoulder@spurenergy.com>, Dakoatah Montanez <dakoatah@energystaffingllc.com>, "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us>, "Nobui, Jennifer, EMNRD" <jennifer.nobui@state.nm.us>
Subject: RE: [EXTERNAL] Spur Energy - Burch Keely #629 - Composite Variance Request

[EXTERNAL]
Natalie,

For future reference, a variance from the Spill Rule for closure sampling should be included in the remediation plan. We can approve a variance through email, but we need a detailed written demonstration that the variance will provide equal or better protection of fresh water, public health and the environment.

Regards,

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Natalie Gladden <natalie@energystaffingllc.com>

Sent: Wednesday, April 27, 2022 8:47 AM

To: ocdonline, emnrd, EMNRD <EMNRD.OCDOnline@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; CFO_Spill, BLM_NM <blm_nm_cfo_spill@blm.gov>; Amos, James A <jamos@blm.gov>

Cc: Braidy Moulder <bmoulder@spurenergy.com>; chensley@spurenergy.com; Dakoatah Montanez <dakoatah@energystaffingllc.com>

Subject: [EXTERNAL] Spur Energy - Burch Keely #629 - Composite Variance Request

Importance: High

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

All,

On behalf of Spur Energy, ESS would like to request a variance for the composite samples. The impact area is 12,053 sq. ft. of pasture area. Instead of the 200 sq. ft. composites, we would like to request the 500 sq. ft. composites. With the 200 sq. ft. the bottom composites would consist of 60.26 composite samples verses 24.10 composites. The release information is below:

Location: Burch Keely Unit #629
API No. 30-015-40705

DOR: 3/13/22
Incident No. NAPP2207346885

Thank you in advance, if you have any questions, please let me know.

Sincerely,

Natalie Gladden

Director of Environmental and Regulatory Services

Energy Staffing Services, LLC.

2724 NW County Road

Hobbs, NM 88240

Cell: 575-390-6397

Office: 575-393-9048

Email: natalie@energystaffingllc.com



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Company Name: **SPUR**Location Name: **BURCH KEELY UNIT #629**

Release Date:

3/13/2022**COMPOSITE SAMPLE DATA**





SP ID	Depth	Tit	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
COMP1	2'	40	ND	ND	ND	ND	ND	ND	ND		
COMP2	2'	40	ND	ND	ND	ND	ND	ND	ND		
COMP3	2'	20	ND	ND	ND	ND	ND	ND	ND		
COMP4	2'	60	ND	ND	ND	ND	ND	ND	ND		
COMP5	2'	20	ND	ND	ND	ND	ND	ND	ND		
COMP6	4'	40	ND	ND	ND	ND	ND	ND	ND		
COMP7	4'	60	ND	ND	ND	ND	ND	ND	ND		
COMP8	4'	20	ND	ND	ND	ND	ND	ND	ND		
COMP9	2'	40	ND	ND	ND	ND	ND	ND	ND		
COMP10	2'	40	ND	ND	ND	ND	ND	ND	ND		
COMP11	2'	40	ND	ND	ND	ND	ND	ND	ND		
COMP12	2'	20	ND	ND	ND	ND	ND	ND	ND		
COMP13	2'	60	ND	ND	ND	ND	ND	ND	ND		
COMP14	2'	20	ND	ND	ND	ND	ND	ND	ND		
COMP15	2'	ND	ND	ND	ND	ND	ND	ND	ND		
COMP16	2'	60	ND	ND	ND	ND	ND	ND	ND		
COMP17	2'	40	ND	ND	ND	ND	ND	ND	ND		
COMP18	2'	ND	ND	ND	ND	ND	ND	ND	ND		
COMP19	2'	ND	ND	ND	ND	ND	ND	ND	ND		
COMP20	3'	ND	ND	ND	ND	ND	ND	ND	ND		
COMP21	3'	ND	ND	ND	ND	ND	ND	ND	ND		
COMP22	3'	40	ND	ND	ND	ND	ND	ND	ND		
COMP23	3'	60	ND	ND	ND	ND	ND	ND	ND		
COMP24	3'	60	ND	ND	ND	ND	ND	ND	ND		
COMP25	3'	40	ND	ND	ND	ND	ND	ND	ND		
SW1		20	ND	ND	ND	ND	ND	ND	ND		
SW2		ND	ND	ND	ND	ND	ND	ND	ND		
SW3		20	ND	ND	ND	ND	ND	ND	ND		
SW4		ND	ND	ND	ND	ND	ND	ND	ND		
SW5		ND	ND	ND	ND	ND	ND	ND	ND		
SW6		40	ND	ND	ND	ND	ND	ND	ND		

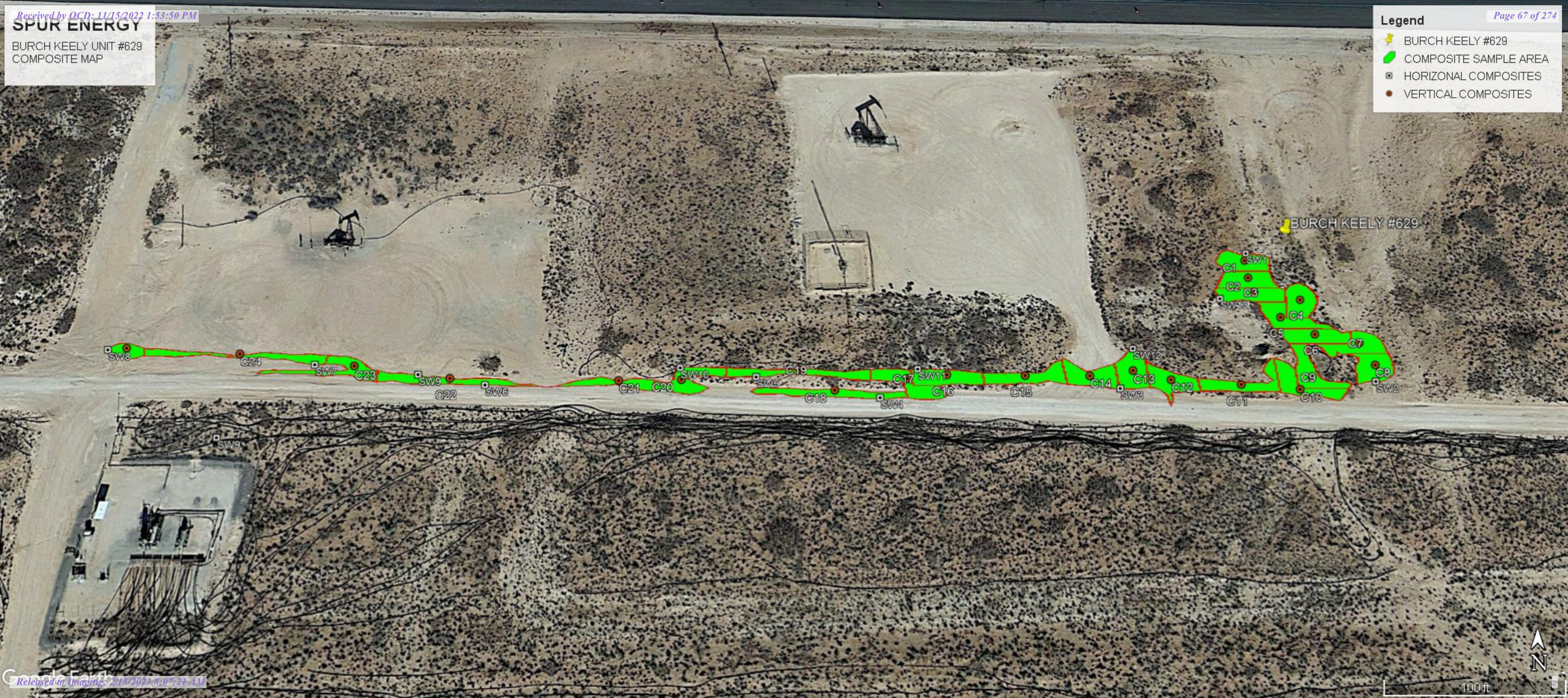
[illegible]

SPUR ENERGY

BURCH KEELY UNIT #629
COMPOSITE MAP

Legend

-  BURCH KEELY #629
-  COMPOSITE SAMPLE AREA
-  HORIZONTAL COMPOSITES
-  VERTICAL COMPOSITES



CLIENTS SPUR ENERGY
 LOCATION BURCH KEELY UNIT #629
COMPOSITE GPS

SAMPLE ID	LAT	LONG
CP1	32.819224	-104.022124
CP2	32.819184	-104.022126
CP3	32.819151	-104.022112
CP4	32.819133	-104.022025
CP5	32.819094	-104.022077
CP6	32.819056	-104.022014
CP7	32.819037	-104.021925
CP8	32.81899	-104.021906
CP9	32.818964	-104.022045
CP10	32.818938	-104.022076
CP11	32.818948	-104.022195
CP12	32.818959	-104.022337
CP13	32.818978	-104.022413
CP14	32.818967	-104.022504
CP15	32.818968	-104.022638
CP16	32.81897	-104.022801
CP17	32.818962	-104.022883
CP18	32.818938	-104.023034
CP19	32.818981	-104.023106
CP20	32.81896	-104.023351
CP21	32.818958	-104.023481
CP22	32.818962	-104.023831
CP23	32.818989	-104.024035
CP24	32.819016	-104.024282
CP25	32.819028	-104.024524
SW1	32.819242	104.022117
SW2	32.818956	-104.021915
SW3	32.818942	-104.022446
SW4	32.818923	-104.022942
SW5	32.818967	-104.023197
SW6	32.81895	-104.023757
SW7	32.818993	-104.024119
SW8	32.819026	-104.024563
SW9	32.818972	-104.023899
SW10	32.818986	-104.023355
SW11	32.818983	-104.02286
SW12	32.819026	-104.022405
SW13	32.819137	-104.022197

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 Energy Partners

Project Name: Burch Keely Unit #629

Work Order: E203148

Job Number: 20046-0001

Received: 3/24/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/28/22

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

Date Reported: 3/28/22

Natalie Gladden
PO Box 1058
Houston, TX 77279



Project Name: Burch Keely Unit #629
Workorder: E203148
Date Received: 3/24/2022 10:30:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/24/2022 10:30:00AM, under the Project Name: Burch Keely Unit #629.

The analytical test results summarized in this report with the Project Name: Burch Keely Unit #629 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Spur Energy Partners	Project Name:	Burch Keely Unit #629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	03/28/22 16:14

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1 - Surface	E203148-01A	Soil	03/22/22	03/24/22	Glass Jar, 4 oz.
SP1 - 2'	E203148-02A	Soil	03/22/22	03/24/22	Glass Jar, 4 oz.
SP2 - Surface	E203148-03A	Soil	03/22/22	03/24/22	Glass Jar, 4 oz.
SP2 - 2'	E203148-04A	Soil	03/22/22	03/24/22	Glass Jar, 4 oz.
SP3 - Surface	E203148-05A	Soil	03/22/22	03/24/22	Glass Jar, 4 oz.
SP3 - 2'	E203148-06A	Soil	03/22/22	03/24/22	Glass Jar, 4 oz.
SP4 - Surface	E203148-07A	Soil	03/22/22	03/24/22	Glass Jar, 4 oz.
SP4 - 3'	E203148-08A	Soil	03/22/22	03/24/22	Glass Jar, 4 oz.
SP5 - Surface	E203148-09A	Soil	03/22/22	03/24/22	Glass Jar, 4 oz.
SP5 - 3'	E203148-10A	Soil	03/22/22	03/24/22	Glass Jar, 4 oz.
SP6 - Surface	E203148-11A	Soil	03/22/22	03/24/22	Glass Jar, 4 oz.
SP6 - 2'	E203148-12A	Soil	03/22/22	03/24/22	Glass Jar, 4 oz.
SP7 - Surface	E203148-13A	Soil	03/22/22	03/24/22	Glass Jar, 4 oz.
SP7 - 2'	E203148-14A	Soil	03/22/22	03/24/22	Glass Jar, 4 oz.
SP8 - Surface	E203148-15A	Soil	03/22/22	03/24/22	Glass Jar, 4 oz.
SP8 - 2'	E203148-16A	Soil	03/22/22	03/24/22	Glass Jar, 4 oz.
SP9 - Surface	E203148-17A	Soil	03/22/22	03/24/22	Glass Jar, 4 oz.
SP10 - Surface	E203148-18A	Soil	03/22/22	03/24/22	Glass Jar, 4 oz.
SP11 - Surface	E203148-19A	Soil	03/22/22	03/24/22	Glass Jar, 4 oz.
SP12 - Surface	E203148-20A	Soil	03/22/22	03/24/22	Glass Jar, 4 oz.



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/28/2022 4:14:23PM

SP1 - Surface

E203148-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213052	
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	ND	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/25/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2213040	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>						
	64.0 %	50-200		03/24/22	03/25/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2213051	
Chloride	726	20.0	1	03/24/22	03/25/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/28/2022 4:14:23PM

SP1 - 2'

E203148-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	ND	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/25/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.1 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>						
	68.1 %	50-200		03/24/22	03/25/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213051
Chloride	211	20.0	1	03/24/22	03/25/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/28/2022 4:14:23PM

SP2 - Surface

E203148-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	ND	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/25/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.9 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>						
	78.4 %	50-200		03/24/22	03/25/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213051
Chloride	13100	400	20	03/24/22	03/25/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/28/2022 4:14:23PM

SP2 - 2'

E203148-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	ND	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/25/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.1 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>						
	75.8 %	50-200		03/24/22	03/25/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213051
Chloride	132	20.0	1	03/24/22	03/25/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/28/2022 4:14:23PM

SP3 - Surface

E203148-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	ND	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/25/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.6 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>						
	75.3 %	50-200		03/24/22	03/25/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213051
Chloride	24300	2000	100	03/24/22	03/25/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/28/2022 4:14:23PM

SP3 - 2'

E203148-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2213052	
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	ND	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/25/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	90.8 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2213052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.9 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2213040	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>	68.7 %	50-200		03/24/22	03/25/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2213051	
Chloride	96.7	20.0	1	03/24/22	03/25/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/28/2022 4:14:23PM

SP4 - Surface

E203148-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	ND	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/25/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213040
Diesel Range Organics (C10-C28)	33.5	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	72.0	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>						
	81.0 %	50-200		03/24/22	03/25/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213051
Chloride	61700	2000	100	03/24/22	03/25/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/28/2022 4:14:23PM

SP4 - 3'

E203148-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	ND	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/25/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.1 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213040
Diesel Range Organics (C10-C28)	25.2	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	75.8	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>						
	77.2 %	50-200		03/24/22	03/25/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213051
Chloride	293	20.0	1	03/24/22	03/25/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/28/2022 4:14:23PM

SP5 - Surface

E203148-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	ND	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/25/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213040
Diesel Range Organics (C10-C28)	166	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	161	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>						
	85.3 %	50-200		03/24/22	03/25/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213051
Chloride	45500	2000	100	03/24/22	03/25/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/28/2022 4:14:23PM

SP5 - 3'

E203148-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2213052	
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	ND	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/25/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.0 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2213052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.0 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2213040	
Diesel Range Organics (C10-C28)	27.9	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	88.0	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>	76.2 %	50-200		03/24/22	03/25/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2213051	
Chloride	353	20.0	1	03/24/22	03/25/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/28/2022 4:14:23PM

SP6 - Surface

E203148-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213052	
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	ND	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/25/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.1 %	70-130	03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2213040	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>						
		74.6 %	50-200	03/24/22	03/25/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2213051	
Chloride	17400	1000	50	03/24/22	03/25/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/28/2022 4:14:23PM

SP6 - 2'

E203148-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	ND	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/25/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.7 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.2 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>						
	75.8 %	50-200		03/24/22	03/25/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213051
Chloride	164	20.0	1	03/24/22	03/25/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/28/2022 4:14:23PM

SP7 - Surface

E203148-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2213052	
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	0.0330	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	0.0290	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	0.119	0.0500	1	03/24/22	03/25/22	
Total Xylenes	0.148	0.0250	1	03/24/22	03/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.3 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2213052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.6 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2213040	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>	66.7 %	50-200		03/24/22	03/25/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2213051	
Chloride	60500	2000	100	03/24/22	03/25/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/28/2022 4:14:23PM

SP7 - 2'

E203148-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2213052	
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	ND	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/25/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.2 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2213052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.4 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2213040	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>	77.4 %	50-200		03/24/22	03/25/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2213051	
Chloride	198	20.0	1	03/24/22	03/25/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/28/2022 4:14:23PM

SP8 - Surface

E203148-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	ND	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/25/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.8 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>						
	66.7 %	50-200		03/24/22	03/25/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213051
Chloride	60900	2000	100	03/24/22	03/25/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/28/2022 4:14:23PM

SP8 - 2'

E203148-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	ND	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/25/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.9 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.1 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>						
	79.2 %	50-200		03/24/22	03/25/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213051
Chloride	121	20.0	1	03/24/22	03/25/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/28/2022 4:14:23PM

SP9 - Surface

E203148-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	ND	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/25/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.3 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.5 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>						
	77.7 %	50-200		03/24/22	03/25/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213051
Chloride	50600	2000	100	03/24/22	03/25/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/28/2022 4:14:23PM

SP10 - Surface

E203148-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	0.0355	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	0.0343	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	0.131	0.0500	1	03/24/22	03/25/22	
Total Xylenes	0.165	0.0250	1	03/24/22	03/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.4 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>						
	74.8 %	50-200		03/24/22	03/25/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213051
Chloride	41100	2000	100	03/24/22	03/25/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/28/2022 4:14:23PM

SP11 - Surface

E203148-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	ND	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	0.0899	0.0500	1	03/24/22	03/25/22	
Total Xylenes	0.0899	0.0250	1	03/24/22	03/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213052
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.4 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>						
	76.8 %	50-200		03/24/22	03/25/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213051
Chloride	27800	2000	100	03/24/22	03/25/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/28/2022 4:14:23PM

SP12 - Surface

E203148-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213052	
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	ND	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	0.0579	0.0500	1	03/24/22	03/25/22	
Total Xylenes	0.0579	0.0250	1	03/24/22	03/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.0 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2213040	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>						
	72.8 %	50-200		03/24/22	03/25/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2213051	
Chloride	37400	2000	100	03/24/22	03/25/22	



QC Summary Data

Spur Energy Partners	Project Name:	Burch Keely Unit #629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	3/28/2022 4:14:23PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2213052-BLK1)

Prepared: 03/24/22 Analyzed: 03/25/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.7	70-130			

LCS (2213052-BS1)

Prepared: 03/24/22 Analyzed: 03/25/22

Benzene	4.80	0.0250	5.00		95.9	70-130			
Ethylbenzene	4.47	0.0250	5.00		89.5	70-130			
Toluene	4.70	0.0250	5.00		94.0	70-130			
o-Xylene	4.67	0.0250	5.00		93.4	70-130			
p,m-Xylene	9.23	0.0500	10.0		92.3	70-130			
Total Xylenes	13.9	0.0250	15.0		92.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.7	70-130			

LCS Dup (2213052-BS1)

Prepared: 03/24/22 Analyzed: 03/25/22

Benzene	4.70	0.0250	5.00		94.0	70-130	2.02	20	
Ethylbenzene	4.41	0.0250	5.00		88.2	70-130	1.41	20	
Toluene	4.62	0.0250	5.00		92.4	70-130	1.78	20	
o-Xylene	4.59	0.0250	5.00		91.7	70-130	1.81	20	
p,m-Xylene	9.11	0.0500	10.0		91.1	70-130	1.29	20	
Total Xylenes	13.7	0.0250	15.0		91.3	70-130	1.47	20	
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			



QC Summary Data

Spur Energy Partners	Project Name:	Burch Keely Unit #629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	3/28/2022 4:14:23PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2213052-BLK1)

Prepared: 03/24/22 Analyzed: 03/25/22

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

LCS (2213052-BS2)

Prepared: 03/24/22 Analyzed: 03/25/22

Gasoline Range Organics (C6-C10)	53.4	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.7	70-130			

LCS Dup (2213052-BSD2)

Prepared: 03/24/22 Analyzed: 03/25/22

Gasoline Range Organics (C6-C10)	54.4	20.0	50.0		109	70-130	1.77	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			



QC Summary Data

Spur Energy Partners	Project Name:	Burch Keely Unit #629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	3/28/2022 4:14:23PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2213040-BLK1)

Prepared: 03/24/22 Analyzed: 03/25/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	32.4		50.0		64.7	50-200			

LCS (2213040-BS1)

Prepared: 03/24/22 Analyzed: 03/25/22

Diesel Range Organics (C10-C28)	443	25.0	500		88.6	38-132			
Surrogate: <i>n</i> -Nonane	34.8		50.0		69.6	50-200			

Matrix Spike (2213040-MS1)

Source: E203148-19

Prepared: 03/24/22 Analyzed: 03/25/22

Diesel Range Organics (C10-C28)	481	25.0	500	ND	96.2	38-132			
Surrogate: <i>n</i> -Nonane	35.4		50.0		70.8	50-200			

Matrix Spike Dup (2213040-MSD1)

Source: E203148-19

Prepared: 03/24/22 Analyzed: 03/25/22

Diesel Range Organics (C10-C28)	426	25.0	500	ND	85.2	38-132	12.2	20	
Surrogate: <i>n</i> -Nonane	36.4		50.0		72.7	50-200			



QC Summary Data

Spur Energy Partners	Project Name:	Burch Keely Unit #629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	3/28/2022 4:14:23PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2213051-BLK1)					Prepared: 03/24/22 Analyzed: 03/25/22				
Chloride	ND	20.0							
LCS (2213051-BS1)					Prepared: 03/24/22 Analyzed: 03/25/22				
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2213051-MS1)					Source: E203148-01		Prepared: 03/24/22 Analyzed: 03/25/22		
Chloride	1210	20.0	250	726	195	80-120			M2
Matrix Spike Dup (2213051-MSD1)					Source: E203148-01		Prepared: 03/24/22 Analyzed: 03/25/22		
Chloride	925	20.0	250	726	79.6	80-120	27.0	20	M2

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Spur Energy Partners	Project Name:	Burch Keely Unit #629	
PO Box 1058	Project Number:	20046-0001	Reported:
Houston TX, 77279	Project Manager:	Natalie Gladden	03/28/22 16:14

- M2Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- NDAnalyte NOT DETECTED at or above the reporting limit
- NRNot Reported
- RPDRelative Percent Difference
- DNIDid 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

Client: <u>Spar</u>		Bill To		Lab Use Only		TAT		EPA Program										
Project: <u>Burch Keely Unit #629</u>		Attention: <u>ESS</u>		Lab WO# <u>E 203148</u>		Job Number <u>20046-0001</u>		1D	2D	3D	Standard	CWA	SDWA					
Project Manager:		Address: <u>2721 N CR</u>		Analysis and Method					<input checked="" type="checkbox"/>									
Address:		City, State, Zip <u>Hobbs, NM 88240</u>												RCRA				
City, State, Zip		Phone:																
Phone:		Email: <u>Natalie</u>										State						
Email:												NM		CO	UT	AZ	TX	
Report due by:																		Remarks

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
	3-22	S	1	SP1 - surface	1							X		
				SP1 - 2'	2									
				SP2 - surface	3									
				SP2 - 2'	4									
				SP3 - surface	5									
				SP3 - 2'	6									
				SP4 - surface	7									
				SP4 - 3'	8									
				SP5 - surface	9									
				SP5 - 3'	10									

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.				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) <u>[Signature]</u>		Date <u>3/22/22</u>	Time <u>13:15</u>	Received by: (Signature) <u>[Signature]</u>	
Relinquished by: (Signature) <u>[Signature]</u>		Date <u>3/23/22</u>	Time <u>16:45</u>	Received by: (Signature) <u>[Signature]</u>	
Relinquished by: (Signature) <u>[Signature]</u>		Date <u>3/23/22</u>	Time <u>16:45</u>	Received by: (Signature) <u>[Signature]</u>	
				Lab Use Only	
				Received on ice: <input checked="" type="checkbox"/> N	
				T1 _____ T2 _____ T3 _____	
				AVG Temp °C <u>4</u>	

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.

Chain of Custody

Project Information

Client: Solar Energy
 Project: Burch Valley Unit #629
 Project Manager:
 Address:
 City, State, Zip
 Phone:
 Email:
 Report due by:

Bill To

Attention: ESS
 Address: 2724 N CA
 City, State, Zip Hobbs, NM 88240
 Phone:
 Email: Natalie

Lab Use Only

Lab WO# E 203148 Job Number 20046-0001

TAT

1D ☐ 2D ☒ 3D ☐ Standard ☐

EPA Program

CWA ☐ SDWA ☐

Analysis and Method

DRO/ORO by 8015 ☐ GRO/DRO by 8015 ☐ BTEX by 8021 ☐ VOC by 8260 ☐ Metals 6010 ☐ Chloride 300.0 ☐ BGDOC NM ☒ BGDOC TX ☐

State

NM ☒ CO ☐ UT ☐ AZ ☐ TX ☐

Remarks

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
	3-22	S	1	SP6 - surface	11							X		
				SP6 - 2'	12									
				SP7 - surface	13									
				SP7 - 2'	14									
				SP8 - surface	15									
				SP8 - 2'	16									
				SP9 - surface	17									
				SP10 - surface	18									
				SP11 - surface	19									
				SP12 - surface	20									

Additional Instructions:

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

Sampled by: [Signature]

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<u>[Signature]</u>	3-22-22	13:15	<u>Liora Blalock</u>	3/23/22	13:15	Received on ice: <u>Y</u> / N
<u>Liora Blalock</u>	3/23/22	16:45	<u>Cathy Chute</u>	3/24/22	10:30	T1 _____ T2 _____ T3 _____
						AVG Temp °C <u>4</u>

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

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

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

Envirotech Analytical Laboratory

Printed: 3/24/2022 12:22:24PM

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 Energy Partners	Date Received:	03/24/22 10:30	Work Order ID:	E203148
Phone:	(575) 390-6397	Date Logged In:	03/23/22 15:55	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	03/25/22 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

Carrier: UPSSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:

Sample ID?	Yes
Date/Time Collected?	No
Collectors name?	No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Sampled times and project manager not provided on COC.

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

Date



envirotech Inc.

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 Energy Partners

Project Name: Burch Keely Unit #629

Work Order: E203150

Job Number: 20046-0001

Received: 3/24/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/25/22

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

Date Reported: 3/25/22

Natalie Gladden
PO Box 1058
Houston, TX 77279



Project Name: Burch Keely Unit #629
Workorder: E203150
Date Received: 3/24/2022 10:30:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/24/2022 10:30:00AM, under the Project Name: Burch Keely Unit #629.

The analytical test results summarized in this report with the Project Name: Burch Keely Unit #629 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Spur Energy Partners	Project Name:	Burch Keely Unit #629	Reported: 03/25/22 17:07
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP9 - 2'	E203150-01A	Soil	03/23/22	03/24/22	Glass Jar, 4 oz.
SP10 - 2'	E203150-02A	Soil	03/23/22	03/24/22	Glass Jar, 4 oz.
SP11 - 2'	E203150-03A	Soil	03/23/22	03/24/22	Glass Jar, 4 oz.
SP12 - 2'	E203150-04A	Soil	03/23/22	03/24/22	Glass Jar, 4 oz.



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/25/2022 5:07:10PM

SP9 - 2'

E203150-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213044	
Benzene	ND	0.0250	1	03/24/22	03/24/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/24/22	
Toluene	ND	0.0250	1	03/24/22	03/24/22	
o-Xylene	ND	0.0250	1	03/24/22	03/24/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/24/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/24/22	
Surrogate: Bromofluorobenzene	92.7 %	70-130		03/24/22	03/24/22	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		03/24/22	03/24/22	
Surrogate: Toluene-d8	97.6 %	70-130		03/24/22	03/24/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/24/22	
Surrogate: Bromofluorobenzene	92.7 %	70-130		03/24/22	03/24/22	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		03/24/22	03/24/22	
Surrogate: Toluene-d8	97.6 %	70-130		03/24/22	03/24/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2213039	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/24/22	
Surrogate: n-Nonane	73.3 %	50-200		03/24/22	03/24/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2213050	
Chloride	190	20.0	1	03/24/22	03/24/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/25/2022 5:07:10PM

SP10 - 2'

E203150-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213044
Benzene	ND	0.0250	1	03/24/22	03/24/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/24/22	
Toluene	ND	0.0250	1	03/24/22	03/24/22	
o-Xylene	ND	0.0250	1	03/24/22	03/24/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/24/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/24/22	
Surrogate: Bromofluorobenzene	92.6 %	70-130		03/24/22	03/24/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/24/22	03/24/22	
Surrogate: Toluene-d8	96.6 %	70-130		03/24/22	03/24/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213044
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/24/22	
Surrogate: Bromofluorobenzene	92.6 %	70-130		03/24/22	03/24/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/24/22	03/24/22	
Surrogate: Toluene-d8	96.6 %	70-130		03/24/22	03/24/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213039
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/24/22	
Oil Range Organics (C28-C36)	52.9	50.0	1	03/24/22	03/24/22	
Surrogate: n-Nonane	83.3 %	50-200		03/24/22	03/24/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213050
Chloride	500	20.0	1	03/24/22	03/24/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/25/2022 5:07:10PM

SP11 - 2'

E203150-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213044
Benzene	ND	0.0250	1	03/24/22	03/24/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/24/22	
Toluene	ND	0.0250	1	03/24/22	03/24/22	
o-Xylene	ND	0.0250	1	03/24/22	03/24/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/24/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/24/22	
Surrogate: Bromofluorobenzene	93.4 %	70-130		03/24/22	03/24/22	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		03/24/22	03/24/22	
Surrogate: Toluene-d8	96.5 %	70-130		03/24/22	03/24/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213044
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/24/22	
Surrogate: Bromofluorobenzene	93.4 %	70-130		03/24/22	03/24/22	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		03/24/22	03/24/22	
Surrogate: Toluene-d8	96.5 %	70-130		03/24/22	03/24/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213039
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/24/22	
Oil Range Organics (C28-C36)	58.4	50.0	1	03/24/22	03/24/22	
Surrogate: n-Nonane	80.5 %	50-200		03/24/22	03/24/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213050
Chloride	506	20.0	1	03/24/22	03/24/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/25/2022 5:07:10PM

SP12 - 2'

E203150-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213044
Benzene	ND	0.0250	1	03/24/22	03/25/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/25/22	
Toluene	ND	0.0250	1	03/24/22	03/25/22	
o-Xylene	ND	0.0250	1	03/24/22	03/25/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/25/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/25/22	
Surrogate: Bromofluorobenzene	94.5 %	70-130		03/24/22	03/25/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		03/24/22	03/25/22	
Surrogate: Toluene-d8	97.5 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213044
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/25/22	
Surrogate: Bromofluorobenzene	94.5 %	70-130		03/24/22	03/25/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		03/24/22	03/25/22	
Surrogate: Toluene-d8	97.5 %	70-130		03/24/22	03/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213039
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/24/22	
Oil Range Organics (C28-C36)	58.3	50.0	1	03/24/22	03/24/22	
Surrogate: n-Nonane	85.3 %	50-200		03/24/22	03/24/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213050
Chloride	533	20.0	1	03/24/22	03/24/22	



QC Summary Data

Spur Energy Partners	Project Name:	Burch Keely Unit #629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	3/25/2022 5:07:10PM

Volatile Organic Compounds by EPA 8260B

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 (2213044-BLK1)

Prepared: 03/24/22 Analyzed: 03/25/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.467		0.500		93.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130			

LCS (2213044-BS1)

Prepared: 03/24/22 Analyzed: 03/25/22

Benzene	2.42	0.0250	2.50		96.8	70-130			
Ethylbenzene	2.45	0.0250	2.50		97.9	70-130			
Toluene	2.44	0.0250	2.50		97.6	70-130			
o-Xylene	2.39	0.0250	2.50		95.7	70-130			
p,m-Xylene	4.78	0.0500	5.00		95.6	70-130			
Total Xylenes	7.17	0.0250	7.50		95.6	70-130			
Surrogate: Bromofluorobenzene	0.482		0.500		96.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

Matrix Spike (2213044-MS1)

Source: E203151-01

Prepared: 03/24/22 Analyzed: 03/25/22

Benzene	2.53	0.0250	2.50	ND	101	48-131			
Ethylbenzene	2.56	0.0250	2.50	ND	102	45-135			
Toluene	2.53	0.0250	2.50	ND	101	48-130			
o-Xylene	2.52	0.0250	2.50	ND	101	43-135			
p,m-Xylene	5.01	0.0500	5.00	ND	100	43-135			
Total Xylenes	7.53	0.0250	7.50	ND	100	43-135			
Surrogate: Bromofluorobenzene	0.494		0.500		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			

Matrix Spike Dup (2213044-MSD1)

Source: E203151-01

Prepared: 03/24/22 Analyzed: 03/25/22

Benzene	2.53	0.0250	2.50	ND	101	48-131	0.119	23	
Ethylbenzene	2.52	0.0250	2.50	ND	101	45-135	1.56	27	
Toluene	2.49	0.0250	2.50	ND	99.4	48-130	1.75	24	
o-Xylene	2.49	0.0250	2.50	ND	99.8	43-135	1.08	27	
p,m-Xylene	4.94	0.0500	5.00	ND	98.8	43-135	1.39	27	
Total Xylenes	7.44	0.0250	7.50	ND	99.1	43-135	1.28	27	
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			



QC Summary Data

Spur Energy Partners	Project Name:	Burch Keely Unit #629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	3/25/2022 5:07:10PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2213044-BLK1)

Prepared: 03/24/22 Analyzed: 03/25/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.467		0.500		93.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130			

LCS (2213044-BS2)

Prepared: 03/24/22 Analyzed: 03/25/22

Gasoline Range Organics (C6-C10)	49.3	20.0	50.0		98.7	70-130			
Surrogate: Bromofluorobenzene	0.465		0.500		93.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.515		0.500		103	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

Matrix Spike (2213044-MS2)

Source: E203151-01

Prepared: 03/24/22 Analyzed: 03/25/22

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.5	70-130			
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			

Matrix Spike Dup (2213044-MSD2)

Source: E203151-01

Prepared: 03/24/22 Analyzed: 03/25/22

Gasoline Range Organics (C6-C10)	51.0	20.0	50.0	ND	102	70-130	5.61	20	
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			



QC Summary Data

Spur Energy Partners	Project Name:	Burch Keely Unit #629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	3/25/2022 5:07:10PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2213039-BLK1)

Prepared: 03/24/22 Analyzed: 03/24/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	35.4		50.0		70.8	50-200			

LCS (2213039-BS1)

Prepared: 03/24/22 Analyzed: 03/24/22

Diesel Range Organics (C10-C28)	428	25.0	500		85.6	38-132			
Surrogate: <i>n</i> -Nonane	36.2		50.0		72.3	50-200			

Matrix Spike (2213039-MS1)

Source: E203149-05

Prepared: 03/24/22 Analyzed: 03/24/22

Diesel Range Organics (C10-C28)	505	25.0	500	ND	101	38-132			
Surrogate: <i>n</i> -Nonane	42.0		50.0		84.0	50-200			

Matrix Spike Dup (2213039-MSD1)

Source: E203149-05

Prepared: 03/24/22 Analyzed: 03/24/22

Diesel Range Organics (C10-C28)	451	25.0	500	ND	90.1	38-132	11.4	20	
Surrogate: <i>n</i> -Nonane	38.3		50.0		76.7	50-200			



QC Summary Data

Spur Energy Partners	Project Name:	Burch Keely Unit #629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	3/25/2022 5:07:10PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2213050-BLK1)

Prepared: 03/24/22 Analyzed: 03/24/22

Chloride ND 20.0

LCS (2213050-BS1)

Prepared: 03/24/22 Analyzed: 03/25/22

Chloride 276 20.0 250 110 90-110

Matrix Spike (2213050-MS1)

Source: E203149-01

Prepared: 03/24/22 Analyzed: 03/24/22

Chloride 513 20.0 250 244 107 80-120

Matrix Spike Dup (2213050-MSD1)

Source: E203149-01

Prepared: 03/24/22 Analyzed: 03/24/22

Chloride 506 20.0 250 244 105 80-120 1.22 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 Energy Partners	Project Name:	Burch Keely Unit #629	
PO Box 1058	Project Number:	20046-0001	Reported:
Houston TX, 77279	Project Manager:	Natalie Gladden	03/25/22 17:07

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

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

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





Envirotech Analytical Laboratory

Printed: 3/24/2022 12:27:55PM

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 Energy Partners	Date Received:	03/24/22 10:30	Work Order ID:	E203150
Phone:	(575) 390-6397	Date Logged In:	03/23/22 16:35	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	03/25/22 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

Carrier: UPSComments/Resolution

Sample times and project manager not provided on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Spur Energy Partners

Project Name: Burch Keely Unit #629

Work Order: E204045

Job Number: 20046-0001

Received: 4/8/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/13/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 4/13/22

Natalie Gladden
PO Box 1058
Houston, TX 77279



Project Name: Burch Keely Unit #629
Workorder: E204045
Date Received: 4/8/2022 3:00:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/8/2022 3:00:00PM, under the Project Name: Burch Keely Unit #629.

The analytical test results summarized in this report with the Project Name: Burch Keely Unit #629 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Spur Energy Partners	Project Name:	Burch Keely Unit #629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	04/13/22 16:31

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW 1 - Surface	E204045-01A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 1 - 2'	E204045-02A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 2 - Surface	E204045-03A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 2 - 2'	E204045-04A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 3 - Surface	E204045-05A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 3 - 2'	E204045-06A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 4 - Surface	E204045-07A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 4 - 2'	E204045-08A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 5 - Surface	E204045-09A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 5 - 4'	E204045-10A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 6 - Surface	E204045-11A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 6 - 4'	E204045-12A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 7 - Surface	E204045-13A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 7 - 2'	E204045-14A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 8 - Surface	E204045-15A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 8 - 2'	E204045-16A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 9 - Surface	E204045-17A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 9 - 2'	E204045-18A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 10 - Surface	E204045-19A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 10 - 2'	E204045-20A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2022 4:31:43PM

SW 1 - Surface

E204045-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Benzene	ND	0.0250	1	04/11/22	04/12/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/12/22	
Toluene	ND	0.0250	1	04/11/22	04/12/22	
o-Xylene	ND	0.0250	1	04/11/22	04/12/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/12/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/12/22	
Surrogate: 4-Bromochlorobenzene-PID	99.6 %	70-130		04/11/22	04/12/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.3 %	70-130		04/11/22	04/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2216004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/12/22	
Surrogate: n-Nonane	82.6 %	50-200		04/11/22	04/12/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216022
Chloride	ND	20.0	1	04/11/22	04/12/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2022 4:31:43PM

SW 1 -2'

E204045-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Benzene	ND	0.0250	1	04/11/22	04/12/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/12/22	
Toluene	ND	0.0250	1	04/11/22	04/12/22	
o-Xylene	ND	0.0250	1	04/11/22	04/12/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/12/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.0 %	70-130		04/11/22	04/12/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.2 %	70-130		04/11/22	04/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2216004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/12/22	
<i>Surrogate: n-Nonane</i>						
	90.4 %	50-200		04/11/22	04/12/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216022
Chloride	20.6	20.0	1	04/11/22	04/12/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2022 4:31:43PM

SW 2 - Surface

E204045-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Benzene	ND	0.0250	1	04/11/22	04/12/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/12/22	
Toluene	ND	0.0250	1	04/11/22	04/12/22	
o-Xylene	ND	0.0250	1	04/11/22	04/12/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/12/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	04/11/22	04/12/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.3 %	70-130	04/11/22	04/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2216004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/12/22	
<i>Surrogate: n-Nonane</i>						
		73.5 %	50-200	04/11/22	04/12/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216022
Chloride	ND	20.0	1	04/11/22	04/12/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2022 4:31:43PM

SW 2 - 2'

E204045-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Benzene	ND	0.0250	1	04/11/22	04/12/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/12/22	
Toluene	ND	0.0250	1	04/11/22	04/12/22	
o-Xylene	ND	0.0250	1	04/11/22	04/12/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/12/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.6 %	70-130		04/11/22	04/12/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.9 %	70-130		04/11/22	04/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2216004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/12/22	
<i>Surrogate: n-Nonane</i>						
	79.3 %	50-200		04/11/22	04/12/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216022
Chloride	ND	20.0	1	04/11/22	04/12/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2022 4:31:43PM

SW 3 - Surface

E204045-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Benzene	ND	0.0250	1	04/11/22	04/12/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/12/22	
Toluene	ND	0.0250	1	04/11/22	04/12/22	
o-Xylene	ND	0.0250	1	04/11/22	04/12/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/12/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	04/11/22	04/12/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.3 %	70-130	04/11/22	04/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2216004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/12/22	
<i>Surrogate: n-Nonane</i>						
		78.3 %	50-200	04/11/22	04/12/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216022
Chloride	ND	20.0	1	04/11/22	04/12/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2022 4:31:43PM

SW 3 - 2'

E204045-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Benzene	ND	0.0250	1	04/11/22	04/12/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/12/22	
Toluene	ND	0.0250	1	04/11/22	04/12/22	
o-Xylene	ND	0.0250	1	04/11/22	04/12/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/12/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		04/11/22	04/12/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.9 %	70-130		04/11/22	04/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2216004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/12/22	
<i>Surrogate: n-Nonane</i>						
	85.3 %	50-200		04/11/22	04/12/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216022
Chloride	ND	20.0	1	04/11/22	04/12/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2022 4:31:43PM

SW 4 - Surface

E204045-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.9 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2216004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/13/22	
<i>Surrogate: n-Nonane</i>						
	86.2 %	50-200		04/11/22	04/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216022
Chloride	ND	20.0	1	04/11/22	04/12/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2022 4:31:43PM

SW 4 - 2'

E204045-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.6 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.1 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2216004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/13/22	
<i>Surrogate: n-Nonane</i>						
	83.7 %	50-200		04/11/22	04/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216022
Chloride	ND	20.0	1	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2022 4:31:43PM

SW 5 - Surface

E204045-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.2 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2216004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/13/22	
<i>Surrogate: n-Nonane</i>						
	76.4 %	50-200		04/11/22	04/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216022
Chloride	15700	400	20	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2022 4:31:43PM

SW 5 - 4'

E204045-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.4 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.9 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2216004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/13/22	
<i>Surrogate: n-Nonane</i>						
	76.5 %	50-200		04/11/22	04/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216022
Chloride	ND	20.0	1	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2022 4:31:43PM

SW 6 - Surface

E204045-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.4 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2216004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/13/22	
<i>Surrogate: n-Nonane</i>						
	83.4 %	50-200		04/11/22	04/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216022
Chloride	30300	2000	100	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2022 4:31:43PM

SW 6 - 4'

E204045-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.6 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2216004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/13/22	
<i>Surrogate: n-Nonane</i>						
		82.8 %	50-200	04/11/22	04/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216022
Chloride	22.5	20.0	1	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2022 4:31:43PM

SW 7 - Surface

E204045-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.1 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2216004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/13/22	
<i>Surrogate: n-Nonane</i>						
		80.5 %	50-200	04/11/22	04/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216022
Chloride	20.4	20.0	1	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2022 4:31:43PM

SW 7 - 2'

E204045-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		110 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.6 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2216004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/13/22	
<i>Surrogate: n-Nonane</i>						
		86.1 %	50-200	04/11/22	04/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216022
Chloride	20.4	20.0	1	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2022 4:31:43PM

SW 8 - Surface

E204045-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.5 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2216004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/13/22	
<i>Surrogate: n-Nonane</i>						
	84.8 %	50-200		04/11/22	04/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216022
Chloride	ND	20.0	1	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2022 4:31:43PM

SW 8 - 2'

E204045-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.6 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2216004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/13/22	
<i>Surrogate: n-Nonane</i>						
		81.1 %	50-200	04/11/22	04/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216022
Chloride	ND	20.0	1	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2022 4:31:43PM

SW 9 - Surface

E204045-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.0 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2216004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/13/22	
<i>Surrogate: n-Nonane</i>						
	92.2 %	50-200		04/11/22	04/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216022
Chloride	44.5	20.0	1	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2022 4:31:43PM

SW 9 - 2'

E204045-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.7 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2216004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/13/22	
<i>Surrogate: n-Nonane</i>						
	75.6 %	50-200		04/11/22	04/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216022
Chloride	44.8	20.0	1	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2022 4:31:43PM

SW 10 - Surface

E204045-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.3 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2216004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/13/22	
<i>Surrogate: n-Nonane</i>						
	91.3 %	50-200		04/11/22	04/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216022
Chloride	49.2	20.0	1	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/13/2022 4:31:43PM

SW 10 - 2'

E204045-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.6 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2216004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/13/22	
<i>Surrogate: n-Nonane</i>						
		92.6 %	50-200	04/11/22	04/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216022
Chloride	45.1	20.0	1	04/11/22	04/13/22	



QC Summary Data

Spur Energy Partners	Project Name:	Burch Keely Unit #629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	4/13/2022 4:31:43PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2216017-BLK1)

Prepared: 04/11/22 Analyzed: 04/12/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130			

LCS (2216017-BS1)

Prepared: 04/11/22 Analyzed: 04/12/22

Benzene	5.25	0.0250	5.00		105	70-130			
Ethylbenzene	4.93	0.0250	5.00		98.6	70-130			
Toluene	5.16	0.0250	5.00		103	70-130			
o-Xylene	5.13	0.0250	5.00		103	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			

Matrix Spike (2216017-MS1)

Source: E204045-01

Prepared: 04/11/22 Analyzed: 04/12/22

Benzene	5.62	0.0250	5.00	ND	112	54-133			
Ethylbenzene	5.30	0.0250	5.00	ND	106	61-133			
Toluene	5.54	0.0250	5.00	ND	111	61-130			
o-Xylene	5.51	0.0250	5.00	ND	110	63-131			
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131			
Total Xylenes	16.4	0.0250	15.0	ND	110	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.64		8.00		108	70-130			

Matrix Spike Dup (2216017-MSD1)

Source: E204045-01

Prepared: 04/11/22 Analyzed: 04/12/22

Benzene	5.56	0.0250	5.00	ND	111	54-133	1.14	20	
Ethylbenzene	5.20	0.0250	5.00	ND	104	61-133	1.80	20	
Toluene	5.46	0.0250	5.00	ND	109	61-130	1.40	20	
o-Xylene	5.42	0.0250	5.00	ND	108	63-131	1.69	20	
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131	1.78	20	
Total Xylenes	16.1	0.0250	15.0	ND	108	63-131	1.75	20	
Surrogate: 4-Bromochlorobenzene-PID	8.10		8.00		101	70-130			



QC Summary Data

Spur Energy Partners	Project Name:	Burch Keely Unit #629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	4/13/2022 4:31:43PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2216017-BLK1)

Prepared: 04/11/22 Analyzed: 04/12/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			

LCS (2216017-BS2)

Prepared: 04/11/22 Analyzed: 04/12/22

Gasoline Range Organics (C6-C10)	56.6	20.0	50.0		113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.7	70-130			

Matrix Spike (2216017-MS2)

Source: E204045-01

Prepared: 04/11/22 Analyzed: 04/12/22

Gasoline Range Organics (C6-C10)	56.3	20.0	50.0	ND	113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.9	70-130			

Matrix Spike Dup (2216017-MSD2)

Source: E204045-01

Prepared: 04/11/22 Analyzed: 04/12/22

Gasoline Range Organics (C6-C10)	56.8	20.0	50.0	ND	114	70-130	0.787	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.0	70-130			



QC Summary Data

Spur Energy Partners	Project Name:	Burch Keely Unit #629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	4/13/2022 4:31:43PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2216004-BLK1)

Prepared: 04/11/22 Analyzed: 04/12/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	42.0		50.0		84.1	50-200			

LCS (2216004-BS1)

Prepared: 04/11/22 Analyzed: 04/12/22

Diesel Range Organics (C10-C28)	394	25.0	500		78.9	38-132			
Surrogate: <i>n</i> -Nonane	41.0		50.0		81.9	50-200			

Matrix Spike (2216004-MS1)

Source: E204045-07

Prepared: 04/11/22 Analyzed: 04/12/22

Diesel Range Organics (C10-C28)	427	25.0	500	ND	85.4	38-132			
Surrogate: <i>n</i> -Nonane	39.7		50.0		79.4	50-200			

Matrix Spike Dup (2216004-MSD1)

Source: E204045-07

Prepared: 04/11/22 Analyzed: 04/12/22

Diesel Range Organics (C10-C28)	441	25.0	500	ND	88.3	38-132	3.31	20	
Surrogate: <i>n</i> -Nonane	42.0		50.0		84.0	50-200			



QC Summary Data

Spur Energy Partners	Project Name:	Burch Keely Unit #629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	4/13/2022 4:31:43PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2216022-BLK1)					Prepared: 04/11/22 Analyzed: 04/12/22				
Chloride	ND	20.0							
LCS (2216022-BS1)					Prepared: 04/11/22 Analyzed: 04/12/22				
Chloride	266	20.0	250		107	90-110			
Matrix Spike (2216022-MS1)					Source: E204045-01		Prepared: 04/11/22 Analyzed: 04/12/22		
Chloride	288	20.0	250	ND	115	80-120			
Matrix Spike Dup (2216022-MSD1)					Source: E204045-01		Prepared: 04/11/22 Analyzed: 04/12/22		
Chloride	286	20.0	250	ND	114	80-120	0.643	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 Energy Partners	Project Name:	Burch Keely Unit #629	
PO Box 1058	Project Number:	20046-0001	Reported:
Houston TX, 77279	Project Manager:	Natalie Gladden	04/13/22 16:31

- 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 4

Client: <u>Spur</u>				Bill To				Lab Use Only				TAT				EPA Program																											
Project: <u>Buck Keely Unit. #629</u>				Attention: <u>ESS</u>				Lab WO# <u>E204045</u>				Job Number <u>200416-0001</u>				1D	2D	3D	Standard	CWA	SDWA																						
Project Manager:				Address: <u>2724 NW CB</u>				Analysis and Method								RCRA																											
Address:				City, State, Zip <u>Hobbs, NM 88240</u>																																							
City, State, Zip				Phone:				DRO/DRO by 8015				GRO/DRO by 8015				BTX by 8021				VOC by 8260				Metals 6010				Chloride 300.0				BGDOC NIM				BGDOC TX				State			
Email: <u>Natalie</u>																																											
Report due by:																																											
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks																																					
	4-9	S	1	SW 1 - Surface	1																																						
				SW 1 - 2'	2																																						
				SW 2 - Surface	3																																						
				SW 2 - 2'	4																																						
				SW 3 - Surface	5																																						
				SW 3 - 2'	6																																						
				SW 4 - Surface	7																																						
				SW 4 - 2'	8																																						
				SW 5 - Surface	9																																						
				SW 5 - 4'	10																																						
Additional Instructions:																																											
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										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) <u>[Signature]</u>					Date <u>4-9-22</u> Time <u>15:00</u>					Received by: (Signature) <u>[Signature]</u>					Date <u>4-6-22</u> Time <u>15:00</u>					Lab Use Only																							
Relinquished by: (Signature) <u>[Signature]</u>					Date <u>4-7-22</u> Time <u>17:30</u>					Received by: (Signature) <u>[Signature]</u>					Date <u>4/8/22</u> Time <u>15:00</u>					Received on ice: <u>Y</u> N																							
Relinquished by: (Signature) <u>[Signature]</u>					Date					Received by: (Signature)					Date					T1					T2					T3													
										AVG Temp °C <u>4</u>																																	
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.																																											

Released to: [illegible] 11/15/2022 1:53:50 PM

Received by: [illegible] 11/15/2022 1:53:50 PM

Project Information

Chain of Custody

Client: <u>Spr</u>		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Bank Vally Unit #629</u>		Attention: <u>ES</u>		Lab WO# <u>E204045</u>		Job Number <u>20046-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager:		Address: <u>2724 NW CR</u>		City, State, Zip <u>16114, N.H. 60420</u>		Analysis and Method						RCRA	
Address:		Phone:											
City, State, Zip		Email: <u>Amelia</u>											
Phone:													
Email:													
Report due by:													

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	State	Remarks
	4-9	S	1	SW 6 - surface	11										Y				
				SW 6 - 4'	12														
				SW 7 - surface	13														
				SW 7 - 2'	14														
				SW 8 - surface	15														
				SW 8 - 2'	16														
				SW 9 - surface	17														
				SW 9 - 2'	18														
				SW 10 - surface	19														
				SW 10 - 2'	20														

Additional Instructions:

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

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

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

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

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Envirotech Analytical Laboratory

Printed: 4/11/2022 11:43:08AM

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 Energy Partners	Date Received:	04/08/22 15:00	Work Order ID:	E204045
Phone:	(575) 390-6397	Date Logged In:	04/08/22 11:36	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	04/13/22 17:00 (3 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

Carrier: CarrierSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Project has been separated into 2 reports due to amount of samples. Workorders are as follows:
E204045 COC page 1&2 of 4, E204046 COC page 3&4 of 4. Sample times not provided on COC.

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

Date



envirotech Inc.

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 Energy Partners

Project Name: Burch Keely Unit #629

Work Order: E204046

Job Number: 20046-0001

Received: 4/8/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/14/22

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

Date Reported: 4/14/22

Natalie Gladden
PO Box 1058
Houston, TX 77279



Project Name: Burch Keely Unit #629
Workorder: E204046
Date Received: 4/8/2022 3:00:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/8/2022 3:00:00PM, under the Project Name: Burch Keely Unit #629.

The analytical test results summarized in this report with the Project Name: Burch Keely Unit #629 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Spur Energy Partners	Project Name:	Burch Keely Unit #629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	04/14/22 14:05

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW 11 - Surface	E204046-01A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 11 - 2'	E204046-02A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 12 - Surface	E204046-03A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 12 - 2'	E204046-04A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 13 - Surface	E204046-05A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 13 - 2'	E204046-06A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 14 - Surface	E204046-07A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 14 - 2'	E204046-08A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 15 - Surface	E204046-09A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 15 - 2'	E204046-10A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 16 - Surface	E204046-11A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 16 - 2'	E204046-12A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 17 - Surface	E204046-13A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 17 - 2'	E204046-14A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 18 - Surface	E204046-15A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 18 - 2'	E204046-16A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 19 - Surface	E204046-17A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 19 - 2'	E204046-18A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 20 - Surface	E204046-19A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.
SW 20 - 2'	E204046-20A	Soil	04/05/22	04/08/22	Glass Jar, 4 oz.



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/14/2022 2:05:43PM

SW 11 - Surface

E204046-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
Surrogate: 4-Bromochlorobenzene-PID	96.4 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.1 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2216005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/13/22	
Surrogate: n-Nonane	110 %	50-200		04/11/22	04/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216023
Chloride	47.1	20.0	1	04/11/22	04/12/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/14/2022 2:05:43PM

SW 11 - 2'

E204046-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2216005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/13/22	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		04/11/22	04/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216023
Chloride	78.5	20.0	1	04/11/22	04/12/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/14/2022 2:05:43PM

SW 12 - Surface

E204046-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Benzene	ND	0.0250	1	04/11/22	04/12/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/12/22	
Toluene	ND	0.0250	1	04/11/22	04/12/22	
o-Xylene	ND	0.0250	1	04/11/22	04/12/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/12/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.0 %	70-130		04/11/22	04/12/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.3 %	70-130		04/11/22	04/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2216005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/13/22	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		04/11/22	04/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216023
Chloride	68.4	20.0	1	04/11/22	04/12/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/14/2022 2:05:43PM

SW 12 - 2'

E204046-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.7 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.3 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2216005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/13/22	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		04/11/22	04/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216023
Chloride	83.9	20.0	1	04/11/22	04/12/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/14/2022 2:05:43PM

SW 13 - Surface

E204046-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2216005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/13/22	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		04/11/22	04/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216023
Chloride	69.5	20.0	1	04/11/22	04/12/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/14/2022 2:05:43PM

SW 13 - 2'

E204046-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2216005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/14/22	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		04/11/22	04/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216023
Chloride	87.9	20.0	1	04/11/22	04/12/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/14/2022 2:05:43PM

SW 14 - Surface

E204046-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2216005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/14/22	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		04/11/22	04/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216023
Chloride	83.7	20.0	1	04/11/22	04/12/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/14/2022 2:05:43PM

SW 14 - 2'

E204046-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.5 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2216005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/14/22	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		04/11/22	04/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216023
Chloride	73.1	20.0	1	04/11/22	04/12/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/14/2022 2:05:43PM

SW 15 - Surface

E204046-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.2 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2216005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/14/22	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	04/11/22	04/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216023
Chloride	89.2	20.0	1	04/11/22	04/12/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/14/2022 2:05:43PM

SW 15 - 2'

E204046-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.4 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2216005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/14/22	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	04/11/22	04/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216023
Chloride	91.3	20.0	1	04/11/22	04/12/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/14/2022 2:05:43PM

SW 16 - Surface

E204046-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.5 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2216005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/14/22	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	04/11/22	04/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216023
Chloride	90.5	20.0	1	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/14/2022 2:05:43PM

SW 16 - 2'

E204046-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.9 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2216005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/14/22	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	04/11/22	04/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216023
Chloride	96.3	20.0	1	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/14/2022 2:05:43PM

SW 17 - Surface

E204046-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.1 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2216005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/14/22	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	04/11/22	04/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216023
Chloride	100	20.0	1	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/14/2022 2:05:43PM

SW 17 - 2'

E204046-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.9 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2216005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/14/22	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		04/11/22	04/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216023
Chloride	102	20.0	1	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/14/2022 2:05:43PM

SW 18 - Surface

E204046-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.4 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2216005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/14/22	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		04/11/22	04/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216023
Chloride	109	20.0	1	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/14/2022 2:05:43PM

SW 18 - 2'

E204046-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.9 %	70-130		04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2216005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/14/22	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		04/11/22	04/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216023
Chloride	98.9	20.0	1	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/14/2022 2:05:43PM

SW 19 - Surface

E204046-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.1 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2216005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/14/22	
<i>Surrogate: n-Nonane</i>						
		117 %	50-200	04/11/22	04/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216023
Chloride	106	20.0	1	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/14/2022 2:05:43PM

SW 19 - 2'

E204046-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.3 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2216005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/14/22	
<i>Surrogate: n-Nonane</i>						
		118 %	50-200	04/11/22	04/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216023
Chloride	112	20.0	1	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/14/2022 2:05:43PM

SW 20 - Surface

E204046-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2216018
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.8 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2216005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/14/22	
<i>Surrogate: n-Nonane</i>						
		124 %	50-200	04/11/22	04/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2216023
Chloride	102	20.0	1	04/11/22	04/13/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Burch Keely Unit #629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
4/14/2022 2:05:43PM

SW 20 - 2'

E204046-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2216018	
Benzene	ND	0.0250	1	04/11/22	04/13/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/13/22	
Toluene	ND	0.0250	1	04/11/22	04/13/22	
o-Xylene	ND	0.0250	1	04/11/22	04/13/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/13/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2216018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.9 %	70-130	04/11/22	04/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2216005	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/22	04/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/22	04/14/22	
<i>Surrogate: n-Nonane</i>		120 %	50-200	04/11/22	04/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2216023	
Chloride	102	20.0	1	04/11/22	04/13/22	



QC Summary Data

Spur Energy Partners	Project Name:	Burch Keely Unit #629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	4/14/2022 2:05:43PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2216018-BLK1)

Prepared: 04/11/22 Analyzed: 04/12/22

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

LCS (2216018-BS1)

Prepared: 04/11/22 Analyzed: 04/12/22

Benzene	5.30	0.0250	5.00		106	70-130			
Ethylbenzene	5.47	0.0250	5.00		109	70-130			
Toluene	5.72	0.0250	5.00		114	70-130			
o-Xylene	5.40	0.0250	5.00		108	70-130			
p,m-Xylene	11.1	0.0500	10.0		111	70-130			
Total Xylenes	16.5	0.0250	15.0		110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.3	70-130			

Matrix Spike (2216018-MS1)

Source: E204046-03

Prepared: 04/11/22 Analyzed: 04/12/22

Benzene	4.53	0.0250	5.00	ND	90.7	54-133			
Ethylbenzene	4.64	0.0250	5.00	ND	92.8	61-133			
Toluene	4.87	0.0250	5.00	ND	97.5	61-130			
o-Xylene	4.60	0.0250	5.00	ND	91.9	63-131			
p,m-Xylene	9.42	0.0500	10.0	ND	94.2	63-131			
Total Xylenes	14.0	0.0250	15.0	ND	93.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			

Matrix Spike Dup (2216018-MSD1)

Source: E204046-03

Prepared: 04/11/22 Analyzed: 04/12/22

Benzene	5.28	0.0250	5.00	ND	106	54-133	15.2	20	
Ethylbenzene	5.47	0.0250	5.00	ND	109	61-133	16.5	20	
Toluene	5.71	0.0250	5.00	ND	114	61-130	15.8	20	
o-Xylene	5.40	0.0250	5.00	ND	108	63-131	16.1	20	
p,m-Xylene	11.1	0.0500	10.0	ND	111	63-131	16.3	20	
Total Xylenes	16.5	0.0250	15.0	ND	110	63-131	16.2	20	
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			



QC Summary Data

Spur Energy Partners	Project Name:	Burch Keely Unit #629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	4/14/2022 2:05:43PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2216018-BLK1)

Prepared: 04/11/22 Analyzed: 04/12/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.2	70-130			

LCS (2216018-BS2)

Prepared: 04/11/22 Analyzed: 04/12/22

Gasoline Range Organics (C6-C10)	49.3	20.0	50.0		98.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			

Matrix Spike (2216018-MS2)

Source: E204046-03

Prepared: 04/11/22 Analyzed: 04/12/22

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.9	70-130			

Matrix Spike Dup (2216018-MSD2)

Source: E204046-03

Prepared: 04/11/22 Analyzed: 04/12/22

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	ND	96.2	70-130	0.317	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			



QC Summary Data

Spur Energy Partners	Project Name:	Burch Keely Unit #629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	4/14/2022 2:05:43PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2216005-BLK1)

Prepared: 04/11/22 Analyzed: 04/13/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	57.2		50.0		114	50-200			

LCS (2216005-BS1)

Prepared: 04/11/22 Analyzed: 04/13/22

Diesel Range Organics (C10-C28)	472	25.0	500		94.4	38-132			
Surrogate: <i>n</i> -Nonane	57.8		50.0		116	50-200			

Matrix Spike (2216005-MS1)

Source: E204046-01

Prepared: 04/11/22 Analyzed: 04/13/22

Diesel Range Organics (C10-C28)	481	25.0	500	ND	96.2	38-132			
Surrogate: <i>n</i> -Nonane	60.4		50.0		121	50-200			

Matrix Spike Dup (2216005-MSD1)

Source: E204046-01

Prepared: 04/11/22 Analyzed: 04/13/22

Diesel Range Organics (C10-C28)	511	25.0	500	ND	102	38-132	6.10	20	
Surrogate: <i>n</i> -Nonane	63.6		50.0		127	50-200			



QC Summary Data

Spur Energy Partners	Project Name:	Burch Keely Unit #629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	4/14/2022 2:05:43PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2216023-BLK1)

Prepared: 04/11/22 Analyzed: 04/12/22

Chloride	ND	20.0							
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LCS (2216023-BS1)

Prepared: 04/11/22 Analyzed: 04/12/22

Chloride	253	20.0	250		101	90-110			
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Matrix Spike (2216023-MS1)

Source: E204046-01

Prepared: 04/11/22 Analyzed: 04/12/22

Chloride	300	20.0	250	47.1	101	80-120			
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Matrix Spike Dup (2216023-MSD1)

Source: E204046-01

Prepared: 04/11/22 Analyzed: 04/12/22

Chloride	301	20.0	250	47.1	102	80-120	0.242	20	
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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 Energy Partners	Project Name:	Burch Keely Unit #629	
PO Box 1058	Project Number:	20046-0001	Reported:
Houston TX, 77279	Project Manager:	Natalie Gladden	04/14/22 14:05

- 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 3 of 4

Client: San
 Project: Sanchez County Unit #67A
 Project Manager: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Email: _____
 Report due by: _____

Bill To
 Attention: ESS
 Address: 2724 NW CR
 City, State, Zip: 16441, NM 87040
 Phone: _____
 Email: Natalia

Lab Use Only
 Lab Work: E 202046
 Job Number: 20046-0001

TAT
 1D 2D 3D Standard

EPA Program
 CWA SDWA RCRA

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
	4-9	S	1	SW 11 - surface	1							X		
				SW 11 - 2'	2									
				SW 12 - surface	3									
				SW 12 - 2'	4									
				SW 13 - surface	5									
				SW 13 - 2'	6									
				SW 14 - surface	7									
				SW 14 - 2'	8									
				SW 15 - surface	9									
				SW 15 - 2'	10									

Additional Instructions:

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

Sampled by: _____

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<u>[Signature]</u>	4-9-22	15:00	<u>[Signature]</u>	4-6-22	15:00	Received on ice: <u>Y</u> N
<u>[Signature]</u>	4-7-22	17:30	<u>[Signature]</u>			T1 _____ T2 _____ T3 _____
<u>[Signature]</u>			<u>[Signature]</u>	4/8/22	1500	AVG Temp °C <u>4</u>

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

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

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

Project Information

Chain of Custody

Client: <u>Gar</u>		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Brush Leaky Unit #629</u>		Attention: <u>ESS</u>		Lab WO# <u>E204046</u>		Job Number <u>20046-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager:		Address: <u>2724 NW CR</u>		City, State, Zip <u>Holt, MN 56240</u>		Analysis and Method						RCRA	
Address:		Phone:		Email: <u>Natalie</u>									
City, State, Zip													
Phone:													
mail:													
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
	4-9	S	1	SW 16 - surface	11							X		
				SW 16 - 2'	12									
				SW 17 - surface	13									
				SW 17 - 2'	14									
				SW 18 - surface	15									
				SW 18 - 2'	16									
				SW 19 - surface	17									
				SW 19 - 2'	18									
				SW 20 - surface	19									
				SW 20 - 2'	20									

Additional Instructions:

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

Relinquished by: (Signature) [Signature] Date 4-9-22 Time 15:00 Received by: (Signature) [Signature] Date 4-6-22 Time 1500

Relinquished by: (Signature) [Signature] Date 4/7/22 Time 17:30 Received by: (Signature) [Signature] Date 4/8/22 Time 1500

Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____

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 Analytical Laboratory

Printed: 4/11/2022 11:46:10AM

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 Energy Partners	Date Received:	04/08/22 15:00	Work Order ID:	E204046
Phone:	(575) 390-6397	Date Logged In:	04/08/22 11:39	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	04/13/22 17:00 (3 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

Carrier: CarrierSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Project has been separated into 2 reports due to amount of samples. Workorders are as follows:
E204045 COC page 1&2 of 4, E204046 COC page 3&4 of 4. Sample times not provided on COC.

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

Date



envirotech Inc.

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 Energy Partners

Project Name: Birch Keely 629

Work Order: E205009

Job Number: 20046-0001

Received: 5/4/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/5/22

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

Date Reported: 5/5/22

Natalie Gladden
PO Box 1058
Houston, TX 77279



Project Name: Birch Keely 629
Workorder: E205009
Date Received: 5/4/2022 10:30:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/4/2022 10:30:00AM, under the Project Name: Birch Keely 629.

The analytical test results summarized in this report with the Project Name: Birch Keely 629 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Spur Energy Partners	Project Name:	Birch Keely 629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	05/05/22 17:55

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Comp 1	E205009-01A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 2	E205009-02A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 3	E205009-03A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 4	E205009-04A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 5	E205009-05A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 6	E205009-06A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 7	E205009-07A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 8	E205009-08A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 9	E205009-09A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 10	E205009-10A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 11	E205009-11A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 12	E205009-12A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 13	E205009-13A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 14	E205009-14A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 15	E205009-15A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 16	E205009-16A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 17	E205009-17A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 18	E205009-18A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 19	E205009-19A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 20	E205009-20A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.



Sample Data

Spur Energy Partners PO Box 1058 Houston TX, 77279	Project Name: Birch Keely 629 Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 5/5/2022 5:55:05PM
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Comp 1
E205009-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2219026
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.9 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2219026
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.4 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2219032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/04/22	
<i>Surrogate: n-Nonane</i>	104 %	50-200		05/04/22	05/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2219025
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/5/2022 5:55:05PM

Comp 2

E205009-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.3 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2219032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/04/22	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		05/04/22	05/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2219025
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/5/2022 5:55:05PM

Comp 3

E205009-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.2 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.7 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2219032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/04/22	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		05/04/22	05/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2219025
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/5/2022 5:55:05PM

Comp 4

E205009-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.7 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2219032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/04/22	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		05/04/22	05/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2219025
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/5/2022 5:55:05PM

Comp 5

E205009-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.1 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2219032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/04/22	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		05/04/22	05/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2219025
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/5/2022 5:55:05PM

Comp 6

E205009-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.0 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2219032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/04/22	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		05/04/22	05/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2219025
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/5/2022 5:55:05PM

Comp 7

E205009-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219026	
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.1 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2219032	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/04/22	
<i>Surrogate: n-Nonane</i>						
	90.7 %	50-200		05/04/22	05/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2219025	
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/5/2022 5:55:05PM

Comp 8

E205009-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219026	
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2219032	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2219025	
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/5/2022 5:55:05PM

Comp 9

E205009-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.7 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2219032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2219025
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/5/2022 5:55:05PM

Comp 10

E205009-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219026	
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.0 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2219032	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
<i>Surrogate: n-Nonane</i>						
	99.9 %	50-200		05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2219025	
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/5/2022 5:55:05PM

Comp 11

E205009-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.7 %	70-130	05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2219032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
<i>Surrogate: n-Nonane</i>						
		93.9 %	50-200	05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2219025
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/5/2022 5:55:05PM

Comp 12

E205009-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219026	
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.0 %	70-130	05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2219032	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
<i>Surrogate: n-Nonane</i>						
		99.0 %	50-200	05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2219025	
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/5/2022 5:55:05PM

Comp 13

E205009-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.7 %	70-130	05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2219032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2219025
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/5/2022 5:55:05PM

Comp 14

E205009-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.4 %	70-130	05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2219032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2219025
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/5/2022 5:55:05PM

Comp 15

E205009-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.9 %	70-130	05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2219032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2219025
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/5/2022 5:55:05PM

Comp 16

E205009-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.8 %	70-130	05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2219032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2219025
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/5/2022 5:55:05PM

Comp 17

E205009-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2219026	
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.7 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2219026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.1 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2219032	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
<i>Surrogate: n-Nonane</i>	107 %	50-200		05/04/22	05/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2219025	
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/5/2022 5:55:05PM

Comp 18

E205009-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219026
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.9 %	70-130	05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2219032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2219025
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/5/2022 5:55:05PM

Comp 19

E205009-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219026	
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.7 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2219032	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2219025	
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/5/2022 5:55:05PM

Comp 20

E205009-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219026	
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2219032	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2219025	
Chloride	ND	20.0	1	05/04/22	05/05/22	



QC Summary Data

Spur Energy Partners	Project Name:	Birch Keely 629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	5/5/2022 5:55:05PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2219026-BLK1)

Prepared: 05/04/22 Analyzed: 05/05/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.43		8.00		105	70-130			

LCS (2219026-BS1)

Prepared: 05/04/22 Analyzed: 05/05/22

Benzene	4.91	0.0250	5.00		98.3	70-130			
Ethylbenzene	4.47	0.0250	5.00		89.5	70-130			
Toluene	4.73	0.0250	5.00		94.6	70-130			
o-Xylene	4.66	0.0250	5.00		93.2	70-130			
p,m-Xylene	9.23	0.0500	10.0		92.3	70-130			
Total Xylenes	13.9	0.0250	15.0		92.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.27		8.00		103	70-130			

LCS Dup (2219026-BS1)

Prepared: 05/04/22 Analyzed: 05/05/22

Benzene	5.18	0.0250	5.00		104	70-130	5.35	20	
Ethylbenzene	4.70	0.0250	5.00		94.1	70-130	5.00	20	
Toluene	4.98	0.0250	5.00		99.6	70-130	5.16	20	
o-Xylene	4.90	0.0250	5.00		98.0	70-130	5.02	20	
p,m-Xylene	9.68	0.0500	10.0		96.8	70-130	4.82	20	
Total Xylenes	14.6	0.0250	15.0		97.2	70-130	4.88	20	
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	70-130			



QC Summary Data

Spur Energy Partners	Project Name:	Birch Keely 629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	5/5/2022 5:55:05PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2219026-BLK1) Prepared: 05/04/22 Analyzed: 05/05/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.7	70-130			

LCS (2219026-BS2) Prepared: 05/04/22 Analyzed: 05/05/22

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0		94.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			

LCS Dup (2219026-BSD2) Prepared: 05/04/22 Analyzed: 05/05/22

Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.4	70-130	4.87	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.6	70-130			



QC Summary Data

Spur Energy Partners	Project Name:	Birch Keely 629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	5/5/2022 5:55:05PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2219032-BLK1)

Prepared: 05/04/22 Analyzed: 05/04/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.8		50.0		110	50-200			

LCS (2219032-BS1)

Prepared: 05/04/22 Analyzed: 05/04/22

Diesel Range Organics (C10-C28)	509	25.0	500		102	38-132			
Surrogate: n-Nonane	50.7		50.0		101	50-200			

Matrix Spike (2219032-MS1)

Source: E205009-12

Prepared: 05/04/22 Analyzed: 05/04/22

Diesel Range Organics (C10-C28)	523	25.0	500	ND	105	38-132			
Surrogate: n-Nonane	52.2		50.0		104	50-200			

Matrix Spike Dup (2219032-MSD1)

Source: E205009-12

Prepared: 05/04/22 Analyzed: 05/04/22

Diesel Range Organics (C10-C28)	535	25.0	500	ND	107	38-132	2.11	20	
Surrogate: n-Nonane	56.1		50.0		112	50-200			



QC Summary Data

Spur Energy Partners	Project Name:	Birch Keely 629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	5/5/2022 5:55:05PM

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 (2219025-BLK1)					Prepared: 05/04/22 Analyzed: 05/05/22				
Chloride	ND	20.0							
LCS (2219025-BS1)					Prepared: 05/04/22 Analyzed: 05/05/22				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2219025-MS1)					Source: E205009-01		Prepared: 05/04/22 Analyzed: 05/05/22		
Chloride	258	20.0	250	ND	103	80-120			
Matrix Spike Dup (2219025-MSD1)					Source: E205009-01		Prepared: 05/04/22 Analyzed: 05/05/22		
Chloride	256	20.0	250	ND	103	80-120	0.625	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 Energy Partners	Project Name:	Birch Keely 629	
PO Box 1058	Project Number:	20046-0001	Reported:
Houston TX, 77279	Project Manager:	Natalie Gladden	05/05/22 17:55

- 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.

Released to: (Name), (Address), (City, State, Zip), (Phone), (Email), (Report due by:)

Received by: (Name), (Address), (City, State, Zip), (Phone), (Email), (Report due by:)

Project Information

Chain of Custody

Client: Spur
Project: Birch Keely 629
Project Manager:
Address:
City, State, Zip
Phone:
Email:
Report due by:

Bill To
Attention: ESS
Address: 2427 W County Rd
City, State, Zip Hobbs, NM
Phone:
Email: Natalie

Lab Use Only				TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA		
<u>E205009</u>	<u>20046-0001</u>		<input checked="" type="checkbox"/>						
Analysis and Method									
DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX		
						<input checked="" type="checkbox"/>			
State									
NM	CO	UT	AZ	TX					
<input checked="" type="checkbox"/>									

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
	4/29	S	1	Comp 1	1							<input checked="" type="checkbox"/>		
				Comp 2	2									
				Comp 3	3									
				Comp 4	4									
				Comp 5	5									
				Comp 6	6									
				Comp 7	7									
				Comp 8	8									
				Comp 9	9									
				Comp 10	10									

Additional Instructions:

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

Sampled by: [Signature]

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
<u>[Signature]</u>		4-29-22		<u>[Signature]</u>		5-3-22	1300
<u>[Signature]</u>		5-3-22	1435	<u>[Signature]</u>		5/4/22	10:30
<u>[Signature]</u>				<u>[Signature]</u>			

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.

Released to: Imaging: 4/15/2023 9:07:21 AM

Received by: OCD: 11/15/2022 1:53:50 PM

Project Information

Chain of Custody

Client: Spur
Project: Birch Keely 629
Project Manager:
Address:
City, State, Zip
Phone:
Email:
Report due by:

Bill To
Attention: ESS
Address: 2427 W County Rd
City, State, Zip Hobbs, NM
Phone:
Email: Nature

Lab Use Only				TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA		
<u>E25009</u>	<u>20046-0001</u>		<input checked="" type="checkbox"/>						
Analysis and Method								RCRA	
								State	
								NM	CO
								UT	AZ
								TX	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
	4/29	S	1	Comp 11	11							<input checked="" type="checkbox"/>		
				Comp 12	12									
				Comp 13	13									
				Comp 14	14									
				Comp 15	15									
				Comp 16	16									
				Comp 17	17									
				Comp 18	18									
				Comp 19	19									
				Comp 20	20									

Additional Instructions:

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

Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time
<u>[Signature]</u>		4-29-22		<u>[Signature]</u>		5-3-22	1700
<u>[Signature]</u>		5-3-22	1635	<u>[Signature]</u>		5/4/22	10:30
<u>[Signature]</u>				<u>[Signature]</u>			

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.

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Envirotech Analytical Laboratory

Printed: 5/4/2022 11:19:37AM

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 Energy Partners	Date Received:	05/04/22 10:30	Work Order ID:	E205009
Phone:	(575) 390-6397	Date Logged In:	05/03/22 16:52	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	05/05/22 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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 Energy Partners

Project Name: Birch Keely 629

Work Order: E205010

Job Number: 20046-0001

Received: 5/4/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/6/22

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

Date Reported: 5/6/22

Natalie Gladden
PO Box 1058
Houston, TX 77279



Project Name: Birch Keely 629
Workorder: E205010
Date Received: 5/4/2022 10:30:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/4/2022 10:30:00AM, under the Project Name: Birch Keely 629.

The analytical test results summarized in this report with the Project Name: Birch Keely 629 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Spur Energy Partners	Project Name:	Birch Keely 629	Reported: 05/06/22 11:51
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Comp 21	E205010-01A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 22	E205010-02A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 23	E205010-03A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 24	E205010-04A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
Comp 25	E205010-05A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
SW Comp 1	E205010-06A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
SW Comp 2	E205010-07A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
SW Comp 3	E205010-08A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
SW Comp 4	E205010-09A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
SW Comp 5	E205010-10A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
SW Comp 6	E205010-11A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
SW Comp 7	E205010-12A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
SW Comp 8	E205010-13A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
SW Comp 9	E205010-14A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
SW Comp 10	E205010-15A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
SW Comp 11	E205010-16A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
SW Comp 12	E205010-17A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.
SW Comp 13	E205010-18A	Soil	04/29/22	05/04/22	Glass Jar, 4 oz.



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/6/2022 11:51:54AM

Comp 21

E205010-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219027
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	96.2 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	103 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219027
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	96.2 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	103 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2219031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/04/22	
Surrogate: n-Nonane	104 %	50-200		05/04/22	05/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2219021
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/6/2022 11:51:54AM

Comp 22

E205010-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	103 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	103 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2219031	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/04/22	
Surrogate: n-Nonane	102 %	50-200		05/04/22	05/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2219021	
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/6/2022 11:51:54AM

Comp 23

E205010-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	103 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	103 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2219031	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/04/22	
Surrogate: n-Nonane	100 %	50-200		05/04/22	05/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2219021	
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/6/2022 11:51:54AM

Comp 24

E205010-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	97.3 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	104 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	97.3 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	104 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2219031	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/04/22	
Surrogate: n-Nonane	105 %	50-200		05/04/22	05/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2219021	
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

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Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/6/2022 11:51:54AM

Comp 25

E205010-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	95.3 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	103 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	95.3 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	103 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2219031	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/04/22	
Surrogate: n-Nonane	108 %	50-200		05/04/22	05/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2219021	
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
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Project Name: Birch Keely 629
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Project Manager: Natalie Gladden

Reported:
5/6/2022 11:51:54AM

SW Comp 1

E205010-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	102 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	102 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2219031	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/04/22	
Surrogate: n-Nonane	109 %	50-200		05/04/22	05/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: CS		Batch: 2219021	
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/6/2022 11:51:54AM

SW Comp 2

E205010-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	96.5 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	105 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	96.5 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	105 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2219031	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/04/22	
Surrogate: n-Nonane	110 %	50-200		05/04/22	05/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2219021	
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/6/2022 11:51:54AM

SW Comp 3

E205010-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	97.9 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	104 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	97.9 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	104 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2219031	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
Surrogate: n-Nonane	111 %	50-200		05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2219021	
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/6/2022 11:51:54AM

SW Comp 4

E205010-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219027
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	105 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219027
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	105 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2219031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
Surrogate: n-Nonane	109 %	50-200		05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2219021
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/6/2022 11:51:54AM

SW Comp 5

E205010-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	95.1 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	102 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	95.1 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	102 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2219031	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
Surrogate: n-Nonane	112 %	50-200		05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2219021	
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
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Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/6/2022 11:51:54AM

SW Comp 6

E205010-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	96.1 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	104 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	96.1 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	104 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2219031	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
Surrogate: n-Nonane	104 %	50-200		05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: CS		Batch: 2219021	
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
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Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/6/2022 11:51:54AM

SW Comp 7

E205010-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219027
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	94.4 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	103 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219027
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	94.4 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	103 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2219031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
Surrogate: n-Nonane	106 %	50-200		05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: CS		Batch: 2219021
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/6/2022 11:51:54AM

SW Comp 8

E205010-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	94.6 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	103 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	94.6 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	103 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2219031	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
Surrogate: n-Nonane	114 %	50-200		05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2219021	
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/6/2022 11:51:54AM

SW Comp 9

E205010-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219027
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	104 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219027
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	104 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2219031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
Surrogate: n-Nonane	113 %	50-200		05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2219021
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/6/2022 11:51:54AM

SW Comp 10

E205010-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	95.4 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	105 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	95.4 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	105 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2219031	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
Surrogate: n-Nonane	111 %	50-200		05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2219021	
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/6/2022 11:51:54AM

SW Comp 11

E205010-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219027
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	95.6 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	104 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219027
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	95.6 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	104 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2219031
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
Surrogate: n-Nonane	112 %	50-200		05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2219021
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/6/2022 11:51:54AM

SW Comp 12

E205010-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	103 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	103 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2219031	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
Surrogate: n-Nonane	109 %	50-200		05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2219021	
Chloride	ND	20.0	1	05/04/22	05/05/22	



Sample Data

Spur Energy Partners
PO Box 1058
Houston TX, 77279

Project Name: Birch Keely 629
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
5/6/2022 11:51:54AM

SW Comp 13

E205010-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Benzene	ND	0.0250	1	05/04/22	05/05/22	
Ethylbenzene	ND	0.0250	1	05/04/22	05/05/22	
Toluene	ND	0.0250	1	05/04/22	05/05/22	
o-Xylene	ND	0.0250	1	05/04/22	05/05/22	
p,m-Xylene	ND	0.0500	1	05/04/22	05/05/22	
Total Xylenes	ND	0.0250	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	93.9 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	94.1 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	104 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2219027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/04/22	05/05/22	
Surrogate: Bromofluorobenzene	93.9 %	70-130		05/04/22	05/05/22	
Surrogate: 1,2-Dichloroethane-d4	94.1 %	70-130		05/04/22	05/05/22	
Surrogate: Toluene-d8	104 %	70-130		05/04/22	05/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2219031	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/04/22	05/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/04/22	05/05/22	
Surrogate: n-Nonane	113 %	50-200		05/04/22	05/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2219021	
Chloride	ND	20.0	1	05/04/22	05/05/22	



QC Summary Data

Spur Energy Partners	Project Name:	Birch Keely 629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	5/6/2022 11:51:54AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2219027-BLK1)

Prepared: 05/04/22 Analyzed: 05/05/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

LCS (2219027-BS1)

Prepared: 05/04/22 Analyzed: 05/05/22

Benzene	2.27	0.0250	2.50		90.9	70-130			
Ethylbenzene	2.37	0.0250	2.50		94.8	70-130			
Toluene	2.30	0.0250	2.50		92.0	70-130			
o-Xylene	2.30	0.0250	2.50		91.9	70-130			
p,m-Xylene	4.58	0.0500	5.00		91.7	70-130			
Total Xylenes	6.88	0.0250	7.50		91.7	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

LCS Dup (2219027-BSD1)

Prepared: 05/04/22 Analyzed: 05/05/22

Benzene	2.29	0.0250	2.50		91.6	70-130	0.767	23	
Ethylbenzene	2.39	0.0250	2.50		95.7	70-130	0.987	27	
Toluene	2.32	0.0250	2.50		92.9	70-130	1.04	24	
o-Xylene	2.34	0.0250	2.50		93.4	70-130	1.66	27	
p,m-Xylene	4.67	0.0500	5.00		93.3	70-130	1.76	27	
Total Xylenes	7.00	0.0250	7.50		93.3	70-130	1.73	27	
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			



QC Summary Data

Spur Energy Partners	Project Name:	Birch Keely 629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	5/6/2022 11:51:54AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2219027-BLK1)

Prepared: 05/04/22 Analyzed: 05/05/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

LCS (2219027-BS2)

Prepared: 05/04/22 Analyzed: 05/05/22

Gasoline Range Organics (C6-C10)	55.7	20.0	50.0		111	70-130			
Surrogate: Bromofluorobenzene	0.484		0.500		96.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

LCS Dup (2219027-BSD2)

Prepared: 05/04/22 Analyzed: 05/05/22

Gasoline Range Organics (C6-C10)	53.9	20.0	50.0		108	70-130	3.42	20	
Surrogate: Bromofluorobenzene	0.493		0.500		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			



QC Summary Data

Spur Energy Partners	Project Name:	Birch Keely 629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	5/6/2022 11:51:54AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2219031-BLK1)

Prepared: 05/04/22 Analyzed: 05/04/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.4		50.0		101	50-200			

LCS (2219031-BS1)

Prepared: 05/04/22 Analyzed: 05/04/22

Diesel Range Organics (C10-C28)	468	25.0	500		93.7	38-132			
Surrogate: n-Nonane	50.5		50.0		101	50-200			

Matrix Spike (2219031-MS1)

Source: E205010-15

Prepared: 05/04/22 Analyzed: 05/04/22

Diesel Range Organics (C10-C28)	477	25.0	500	ND	95.5	38-132			
Surrogate: n-Nonane	50.5		50.0		101	50-200			

Matrix Spike Dup (2219031-MSD1)

Source: E205010-15

Prepared: 05/04/22 Analyzed: 05/04/22

Diesel Range Organics (C10-C28)	482	25.0	500	ND	96.5	38-132	1.03	20	
Surrogate: n-Nonane	52.3		50.0		105	50-200			



QC Summary Data

Spur Energy Partners	Project Name:	Birch Keely 629	Reported:
PO Box 1058	Project Number:	20046-0001	
Houston TX, 77279	Project Manager:	Natalie Gladden	5/6/2022 11:51:54AM

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 (2219021-BLK1)					Prepared: 05/04/22 Analyzed: 05/05/22				
Chloride	ND	20.0							
LCS (2219021-BS1)					Prepared: 05/04/22 Analyzed: 05/05/22				
Chloride	267	20.0	250		107	90-110			
Matrix Spike (2219021-MS1)					Source: E205010-01		Prepared: 05/04/22 Analyzed: 05/05/22		
Chloride	269	20.0	250	ND	107	80-120			
Matrix Spike Dup (2219021-MSD1)					Source: E205010-01		Prepared: 05/04/22 Analyzed: 05/05/22		
Chloride	270	20.0	250	ND	108	80-120	0.379	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 Energy Partners	Project Name:	Birch Keely 629	
PO Box 1058	Project Number:	20046-0001	Reported:
Houston TX, 77279	Project Manager:	Natalie Gladden	05/06/22 11:51

- 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.



Released to: HHS-11/15/2022 1:53:50 PM

Received by: OCD: 11/15/2022 1:53:50 PM

Project Information

Chain of Custody

Client: Spur
Project: Birch Keely
Project Manager:
Address:
City, State, Zip
Phone:
Email:
Report due by:

Bill To
Attention: ESS
Address: 2427 W County Rd
City, State, Zip Hobbs, NM
Phone:
Email: Natalie

Lab Use Only						TAT				EPA Program	
Lab WO#		Job Number				1D	2D	3D	Standard	CWA	SDWA
<u>E20510</u>		<u>20412-001</u>					<input checked="" type="checkbox"/>				
Analysis and Method										RCRA	
DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0					State	
										NM	CO
										UT	AZ
										TX	
										Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
	4/29	S	1	Comp 21	1							<input checked="" type="checkbox"/>		
				Comp 22	2									
				Comp 23	3									
				Comp 24	4									
				Comp 25	5									
				SW Comp 1	6									
				SW Comp 2	7									
				SW Comp 3	8									
				SW Comp 4	9									
				SW Comp 5	10									

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: Theresa

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	5.3.22	1635	Relinquished by: (Signature)	5/3/22	1300	
Relinquished by: (Signature)			Relinquished by: (Signature)	5/4/22	10:30	

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.

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Envirotech Analytical Laboratory

Printed: 5/4/2022 11:25:26AM

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 Energy Partners	Date Received:	05/04/22 10:30	Work Order ID:	E205010
Phone:	(575) 390-6397	Date Logged In:	05/03/22 16:57	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	05/05/22 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

**SPUR ENERGY
BURCH KEELY UNIT 629
REMEDIATION AND FINAL SITE PHOTOS**





Mar 22, 2022 at 10:03:48 AM
+32.819061,-104.022618
13021 Lovington Hwy
Artesia NM 88210
United States
Burch Keely Unit #629



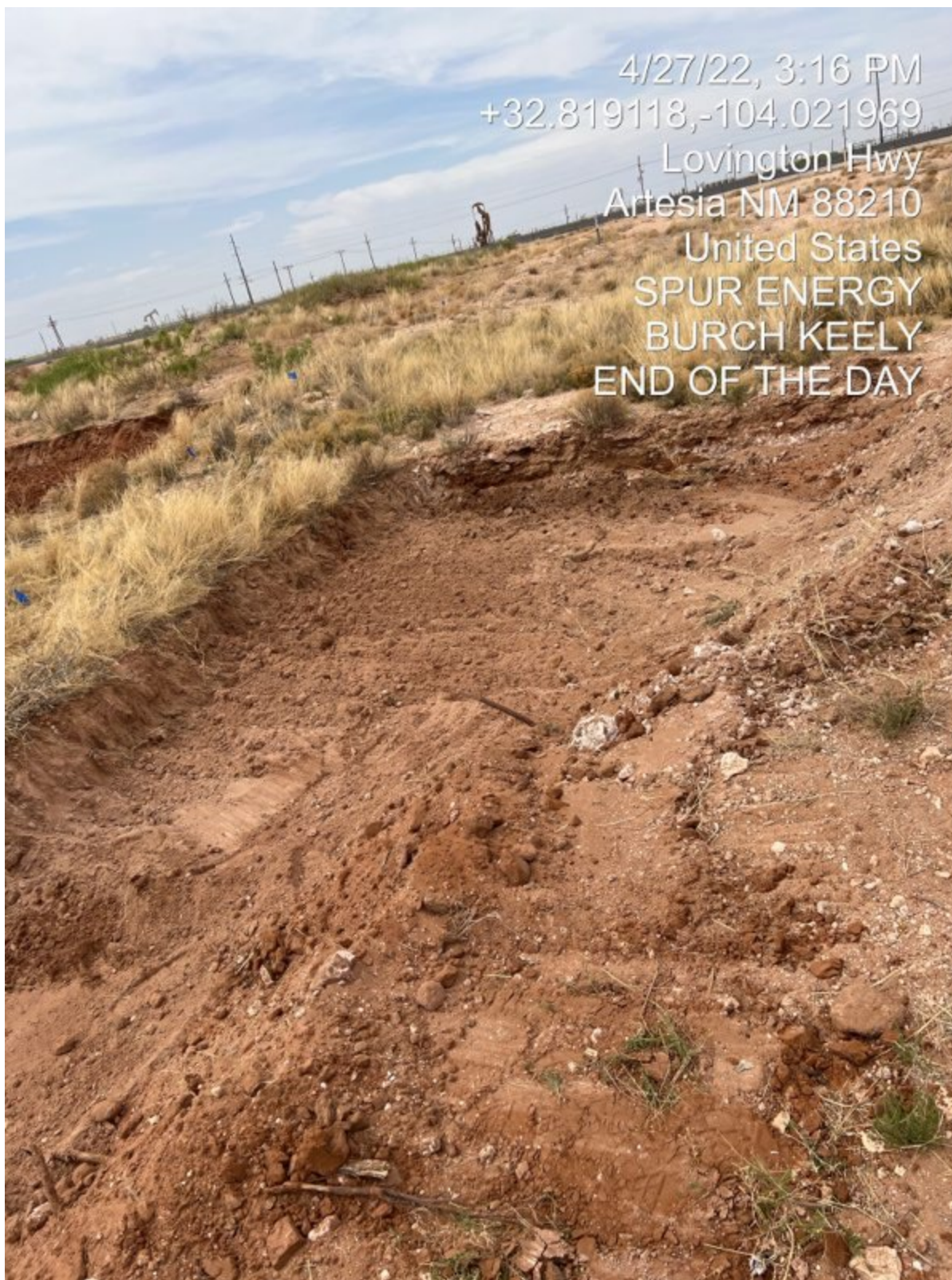
















4/27/22, 3:17 PM
+32.819142,-104.022079
Lovington Hwy
Artesia NM 88210
United States
SPUR ENERGY
BURCH KEELY
END OF THE DAY



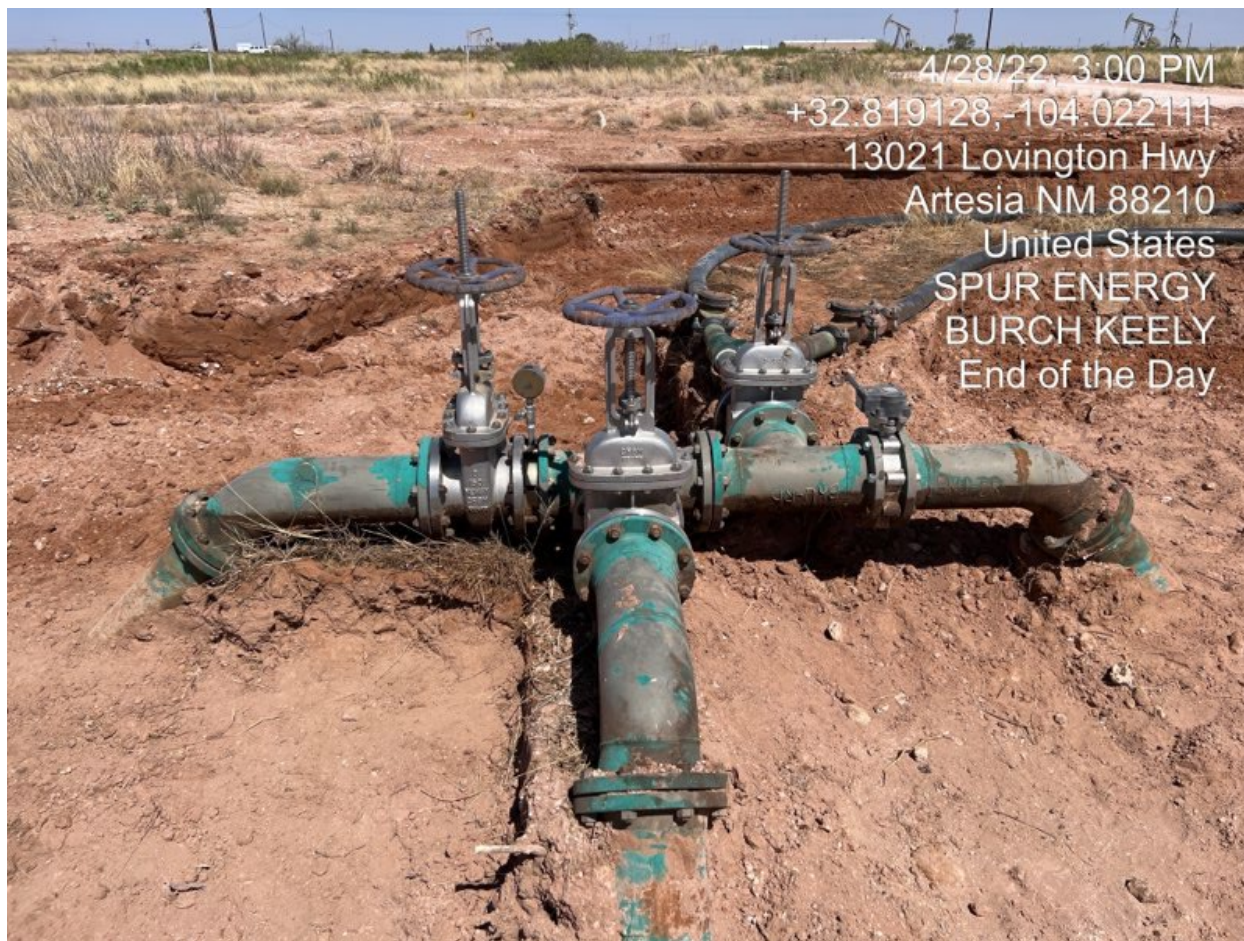
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+32.818980,-104.022076
13021 Lovington Hwy
Artesia NM 88210
United States
SPUR ENERGY
BURCH KEELY
END OF THE DAY



4/28/22, 10:00 AM
+32.819189,-104.022098
Lovington Hwy
Artesia NM 88210
United States
SPUR ENERGY
BURCH KEELY



4/28/22, 3:00 PM
+32.819145,-104.022220
13021 Lovington Hwy
Artesia NM 88210
United States
SPUR ENERGY
BURCH KEELY
End of the Day



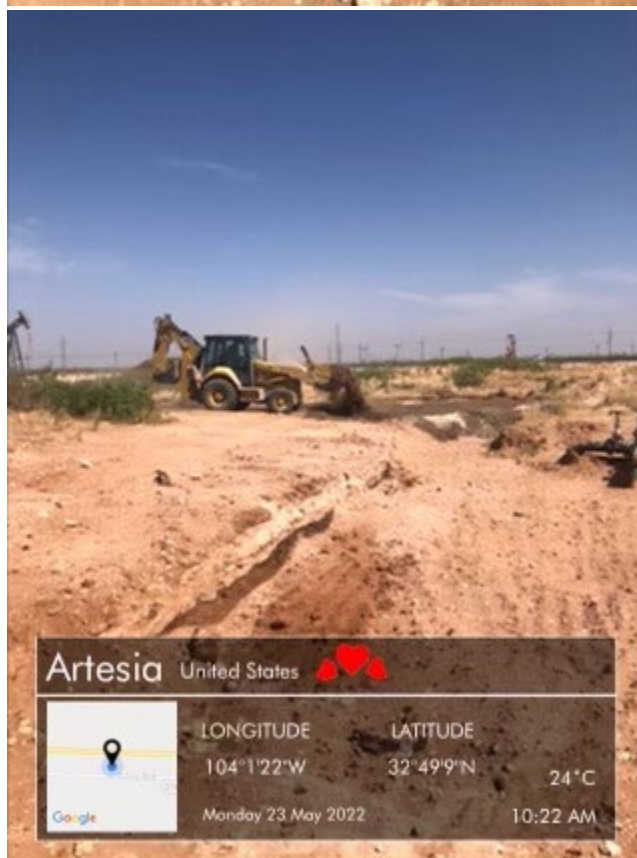
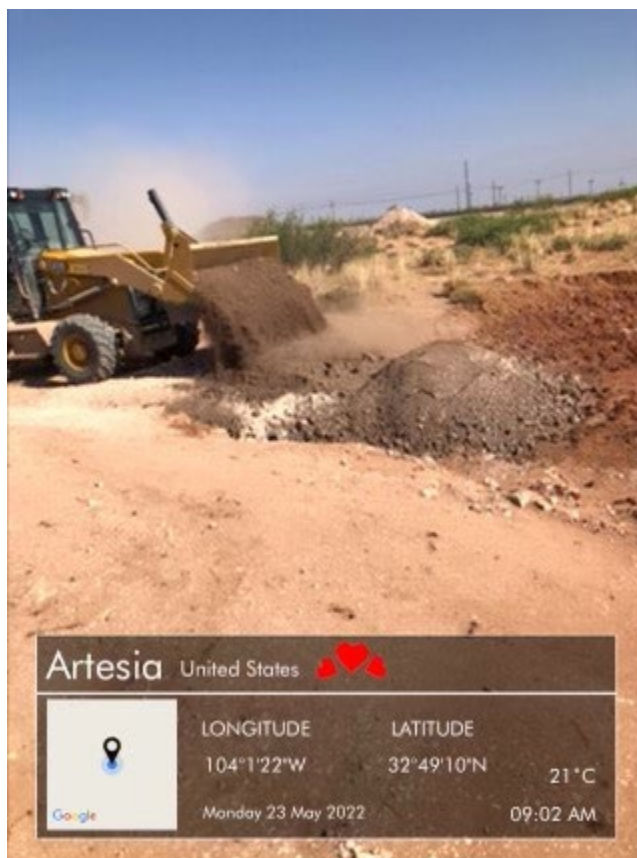


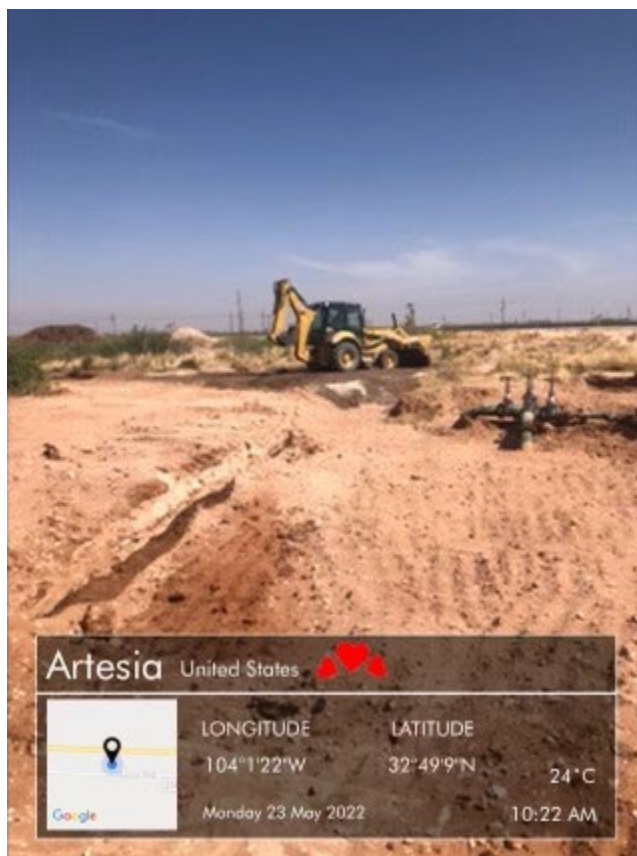
4/28/22, 3:01 PM
+32.819036,-104.022043
Lovington Hwy
Artesia NM 88210
United States
SPUR ENERGY
BURCH KEELY
End of the Day





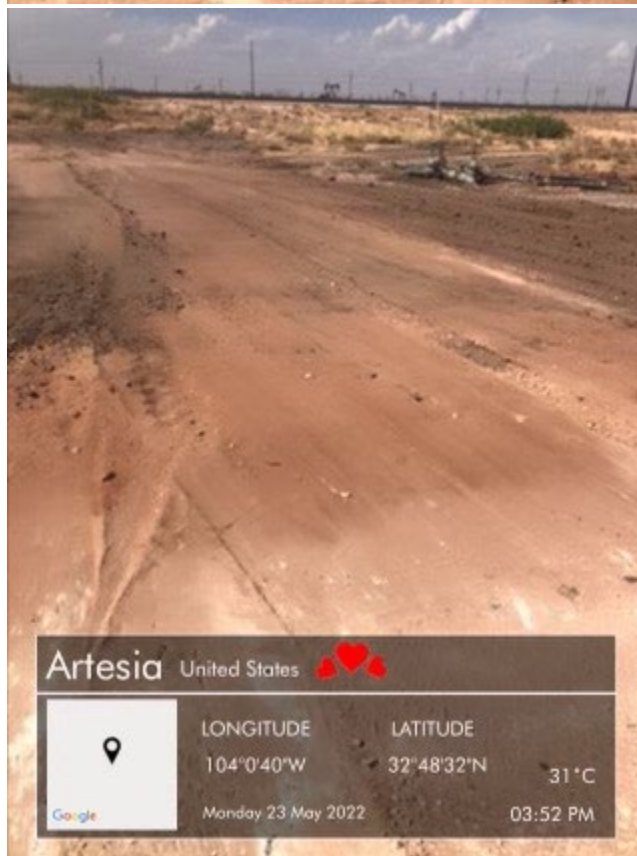
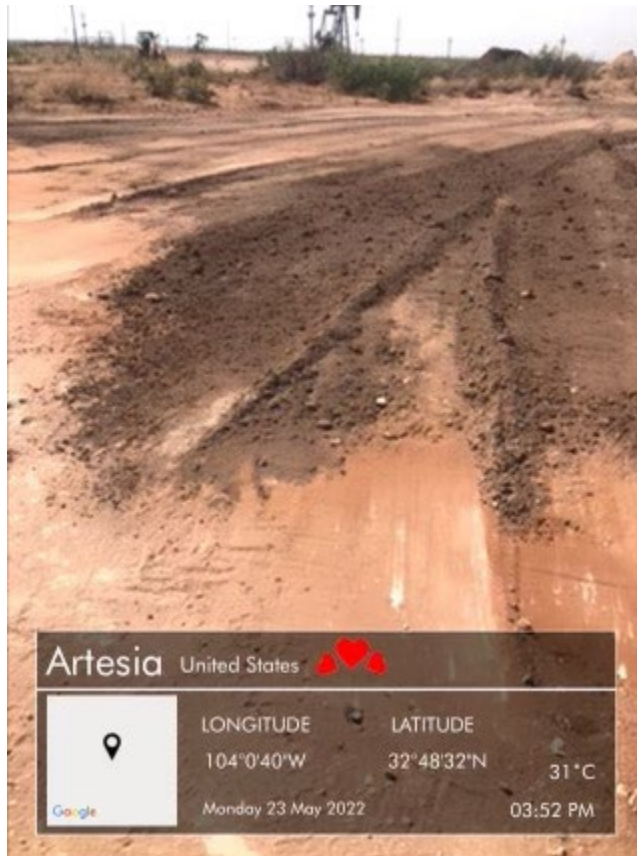












Incident ID	NAPP2207346885
District RP	
Facility ID	
Application ID	

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?	50-80' (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

Form C-141

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NAPP2207346885
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 REGULATORYSignature: Date: 11-11-22email: natalie@energystaffingllc.comTelephone: 575-390-6397**OCD Only**Received by: Jocelyn HarimonDate: 11/15/2022

Incident ID	NAPP2207346885
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 OCD 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:  Date: 11-11-22

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

OCD Only

Received by: Jocelyn Harimon Date: 11/15/2022

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 159012

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 159012
	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 #NAPP2207346885 BURCH KEELY UNIT #629, thank you. This closure is approved.	2/13/2023