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**SOUTH BOYD FEDERAL COM BATTERY  
CLOSURE REPORT**

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**API NO. 30-015-44686  
RELEASE DATE: 11/26/2019  
INCIDENT NO. NRH2003450480  
U/L B, SECTION 34, TOWNSHIP 19S, RANGE 25E  
EDDY COUNTY, NEW MEXICO**

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**PREPARED BY:**



**#7 COMPRESS ROAD  
ARTESIA, NM 88210**

February 16, 2021

State of New Mexico Energy Minerals and Natural Resources Department  
Oil Conservation Division – District II  
C/O Mike Bratcher, Robert Hamlet, Cristina Eads  
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  
C/O Braidy Moulder  
919 Milam Street Suite 2475  
Houston, TX 77002

**RE: South Boyd Federal Com Battery**  
**Date of Release: 11/26/2019**  
**API No. 30-015-44686**  
**U/L B, Section 34, Township 19S, Range 25E**

To Whom it May Concern:

Spur Energy Partners has retained ESS (Energy Staffing Services) Environmental & Regulatory Division to conduct and address the spill assessment and remediation for the produce water release that occurred at the South Boyd Federal Com Battery (hereafter referred to as “South Boyd”). Hungry Horse provided the notification of the spill to the New Mexico Oil Conservation Division (NMOCD) District 2 and the Bureau of Land Management (BLM), who owns the land, via submission of the initial C141 Release Notification on December 26, 2019. The NMOCD tracking number assigned to this incident is NRM2003450480.

This letter provides a description of the spill assessment and remediation activities, and demonstrates that closure criteria established in 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 a final report to obtain approval from the NMOCD for closure of this release.

## Incident Description

On November 26, 2019 a release occurred at the Spur Energy Partners South Boyd site when a 4" check valve on the manifold for the water transfer pump discharge side, developed a hole due to corrosion. It was observed that approximately 10 barrels (bbls) of produced water was released inside the unlined containment. The leak was repaired and a vacuum truck was dispatched out to recover standing fluids. Approximately 3bbls of produced water was recovered. Immediately following the recovery of the standing fluid, the saturated soil was hand excavated and put on plastic. Although the release that occurred on November 26, 2019 was contained within the boundaries of the engineered pad. No produced water was released into any undisturbed areas or waterways.

## Site Characterization

The release at the South Boyd, occurred on federally-owned land, N32.623058, W-104.468394, approximately five miles from Brantley Lake in between Carlsbad and Artesia, New Mexico. The legal description of the site is Unit Letter B, Section 34, Township 19S and Range 25E in Eddy County, New Mexico. This location is within the Permian Basin and has historically been used for oil and gas exploration and production, and rangeland. An aerial photograph and site schematic are included.

The South Boyd complex consists of oil and gas operating equipment, a tank battery and a nearby oil and gas exploration and production well. This well is the closest well to the release and is known as the South Boyd Federal Com #019H, which is the API No. associated with this release. The following sections precisely describe the release area inside the facility area as well as an incidental release on the southeastern corner of the pad as well as the small area in the pasture.

The surrounding landscape is associated with the Reagan-Upton Association, with 0 to 9 percent slopes. Typical elevations average around 3515 feet. The attached soil map and data is attached herein.

There is no surface water located on-site. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC is the Brantley Lake which is located approximately 5 miles from the site in question. There are no continuously flowing watercourses, lakebeds, sinkholes, playa lakes, or other critical water or community features at the South Boyd, as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

This site has a "high potential" for Karst Geology to be present near the South Boyd site according to the *United States Department of the Interior, Bureau of Land Management*. Please find the karst map attached herein.

The nearest recent groundwater well according to the *New Mexico Office of the State Engineer* is RA 03018 which is located 992' from the site and does not indicate a water depth. Upon researching the OSE Database (map included); RA 03018 sits just outside the ½ mile requirement. Please find the attached groundwater data and mapping attached.

### Closure Criteria Determination

Using the Table I, Closure Criteria for Soils impacted by a Release dated 8/14/2018, this site falls under the site ranking of <50' bgs. Please see the below chart for the sampling criteria for this site.

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 Sampling Procedures

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

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

The following lab analysis method was used for each bottom hole and sidewall samples 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 8015

- Gasoline Range Organics (C6-C10)

Nonhalogenated Organics by EPH 8015D – DRO/GRO

- Diesel Range Organics (C10-C28)
- Oil Range Organics (C28-C40)

Anions by EPA 300.0/9056A

- Chloride

**Delineation and Remedial Activities**

Hungry Horse, LLC conducted the delineation and remediation of the South Boyd reportable incident. On November 26, 2019 Hungry Horse was notified of the release and a site assessment was completed. In December of 2019, Hungry Horse, LLC began to delineate the site. The site was delineated by use of hand auger and was field tested in 2’ intervals.

Crews began to vertically delineate the site and the samples confirmed with laboratory analysis on the delineation sampling procedure were well below the closure criteria for SP1 thru SP5. SP6 did not reach standard until 6’ and SP7 at 8’bgs. SP8 showed chloride concentrations at the surface but cleaned up at 2’bgs. SP9 showed no detection of any concentrations. SP10 and SP11 only showed impact for chlorides at the surface but cleaned up at 2’bgs. Horizontal samples were then placed around the stained area and fully delineated. SW1 thru SW10 showed field testing levels to below the requirements for this site and samples were all submitted at 2’bgs and confirmed with lab analysis. SW11 showed elevated levels of BTEX and TPH.

Another incidental release occurred while delineation was in process, this area was just outside the previously delineated area due to a small flowline leak. Therefore, SP12 thru SP14 were added. SP12 was delineated to 4’bgs and showed elevated chlorides and TPH, SP13 and SP14 was delineated to 5’bgs which also showed elevated chlorides and TPH levels. Auger refusal occurred on both the SP12 and SP14. Below you will find the delineation sample data with confirmed lab analysis:

SP1	SURF	240							
SP1	1'	240							
SP1	2'	160		ND	ND	ND	ND	ND	ND
SP2	SURF	320							
SP2	1'	240							
SP2	2'	160		ND	ND	ND	ND	ND	63.3
SP3	SURF	240							
SP3	2'	160							
SP3	4'	160		ND	ND	ND	ND	ND	54.9

SP4	SURF	400							
SP4	2'	560							
SP4	4'	240		ND	ND	ND	ND	ND	368
SP5	SURF	320							
SP5	2'	320							
SP5	4'	320		ND	41.6	ND	ND	41.6	101
SP6	SURF	4320							
SP6	2'	6240							
SP6	4'	480							
SP6	6'	480		ND	28	ND	ND	28	533
SP7	SURF	13200							
SP7	2'	6400							
SP7	4'	1680							
SP7	6'	480							
SP7	8'	480		ND	50.3	ND	ND	50.3	306
SP8	SURF	4000							
SP8	2'	320							
SP8	4'	400		ND	ND	ND	ND	ND	201
SP9	SURF	480							
SP9	2'	480							
SP9	4'	480		ND	ND	ND	ND	ND	ND
SP10	SURF	6400							
SP10	2'	480							
SP10	4'	320		ND	ND	ND	ND	ND	404
SP11	SURF	16000							
SP11	2'	400							
SP11	4'	240		ND	ND	ND	ND	ND	76
SW1	SURF	320							
SW1	1'	160							
SW1	2'	160		ND	ND	ND	ND	ND	ND

SW2	SURF	320							
SW2	1'	240							
SW2	2'	240		ND	ND	ND	ND	ND	ND
SW3	SURF	240							
SW3	1'	160							
SW3	2'	160		ND	ND	ND	ND	ND	ND
SW4	SURF	240							
SW4	1'	240							
SW4	2'	160		ND	ND	ND	ND	ND	ND
SW5	SURF	240							
SW5	1'	160							
SW5	2'	160		ND	ND	ND	ND	ND	137
SW6	SURF	240							
SW6	1'	160							
SW6	2'	160		ND	ND	ND	ND	ND	ND
SW7	SURF	320							
SW7	1'	400							
SW7	2'	400		ND	ND	ND	ND	ND	325
SW8	SURF	560							
SW8	1'	480							
SW8	2'	400		ND	ND	ND	ND	ND	290
SW9	SURF	320							
SW9	1'	240							
SW9	2'	160		ND	ND	ND	ND	ND	30.2
SW10	SURF	320							
SW10	1'	240							
SW10	2'	160		ND	ND	ND	ND	ND	59
SW11	SURF	320							
SW11	1'	240							
SW11	2'	240		0.303	57	ND	ND	57	21

SP12	SURF	26000							
SP12	1'	1600							
SP12	2'	880							
SP12	3'	480							
SP12	4'	480	1.37	751	251	24.8	1026.8	1210	
SP13	SURF	7200							
SP13	1'	1680							
SP13	2'	1600							
SP13	3'	1200							
SP13	4'	560							
SP13	5'	480	0.0265	66.1	ND	ND	66.1	450	
SP14	SURF	16000							
SP14	1'	2400							
SP14	2'	2000							
SP14	3'	960							
SP14	4'	400							
SP14	5'	400	0.818	336	77.4	ND	413.4	814	

June 1<sup>st</sup> of 2020 excavation of the site began. The impacted area of the release was hand excavated by use of hand shovel and a backhoe. 53.77 tons of impacted material was hauled to Lea Land Disposal. Please see manifests attached. Only the area that was added due to a flowline release was excavated by Hungry Horse. Five bottom hole composite samples were obtained along with the five horizontal sample points and were submitted to Envirotech Laboratories. Field sample data was not provided by Hungry Horse. Below you will find the lab confirmed composite data. The sample labeled SWE-N 2' should be SWE-S 2'. Please see the attached closure lab sample data and sample maps.

**COMPOSITE SAMPLE DATA**

SP ID	Depth	Titr	PID	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL
BH1				ND	ND	ND	ND	ND	ND
BH2				ND	ND	ND	ND	ND	ND
BH3				ND	ND	ND	ND	ND	ND
BH4				ND	ND	ND	ND	ND	ND
BH5				ND	ND	ND	ND	ND	ND
SWC-N	SURF			ND	102	ND	ND	102	878

SWC-N	1'			ND	ND	ND	ND	ND	ND
SWC-E	SURF			0.0631	30.6	ND	ND	30.6	73.7
SWC-W	2'			ND	ND	ND	ND	ND	ND
SWE-W	1'			ND	ND	ND	ND	ND	23.6
SWE-N	2'			ND	ND	ND	ND	ND	ND

### Closure Request

ESS recommends no additional actions are needed to address the release at the South Boyd. Confirmed lab analysis documentation no concern of concentration levels that are above the NMOCD closure criteria for the site. The delineation samples also showed constituent of concern concentrations levels below the strictest closure criteria and are indicative of full horizontal and vertical delineation. There are no anticipated risks to human, ecological or hydrological receptors associated with the release site.

ESS requests that this incident (NRM2003450480) be closed as the remediation and delineation of the site address and closure requirements set forth in Subsection E of 19.15.29.12 NMAC have been met. Spur Energy certifies that all information provided in this report and the attachments are correct, and they have complied with all applicable closure requirements and conditions specified in Division rules and directives to meet the NMOCD requirements to obtain closure for the South Boyd Federal Com Battery dated November 26, 2019.

Should you have any questions or concerns, please do not hesitate to contact the undersigned at 575-390-6397 or [natalie@energystaffingllc.com](mailto:natalie@energystaffingllc.com).

Sincerely,

*Natalie Gladden*

**Director of Environmental and Regulatory Services**

**Energy Staffing Services, LLC.**

**#7 Compress Rd**

**Artesia, NM 88210**

**Cell: 575-390-6397**

**Email: [natalie@energystaffingllc.com](mailto:natalie@energystaffingllc.com)**



Attachments:

Initial C141  
Site Map  
Initial Site Photos  
Soil Data and Map  
Karst Map  
Groundwater Data  
Groundwater Map  
OSE Water Map  
Delineation Photos  
Delineation Sample Map  
Sample Data  
Lab Analysis  
Excavation Map  
Manifests  
Final Photos  
Final C141

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	<b>NRH2003450480</b>
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party <b>SPUR ENERGY PARTNERS</b>	OGRID <b>328947</b> <b>Correct OGRID 328947 RH</b>
Contact Name <b>KENNY KIDD</b>	Contact Telephone <b>575-616-5400</b>
Contact email <b>kkidd@spurepllc.com</b>	Incident # <i>(assigned by OCD)</i>
Contact mailing address <b>919 MILAM STREET SUITE 2475 HOUSTON TEXAS 77002</b>	

### Location of Release Source

Latitude **32.623058** Longitude **-104.468394**  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name <b>SOUTH BOYD FEDERAL COM BATTERY (CLOSEST WELL SOUTH BOYD FED COM #019H)</b>	Site Type <b>OIL &amp; GAS</b>
Date Release Discovered <b>11-26-2019</b>	API# <b>30-015-44686</b>

Unit Letter	Section	Township	Range	County
<b>B</b>	<b>34</b>	<b>19S</b>	<b>25E</b>	<b>EDDY</b>

Surface Owner:  State  Federal  Tribal  Private (Name: BOTH MINERAL AND SURFACE)

### 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) <b>10BBLS</b>	Volume Recovered (bbls) <b>3BBLS</b>
	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

**4" CHECK VALVE ON THE MANIFOLD FOR THE WATER TRANSFER PUMP DISCHARGE SIDE, DEVELOPED A HOLE DUE TO CORROSION. A VACUUM TRUCK WAS DISPATCHED OUT TO RECOVER THE STANDING FLUID AND REPAIRS WERE MADE.**

Form C-141

State of New Mexico  
Oil Conservation Division

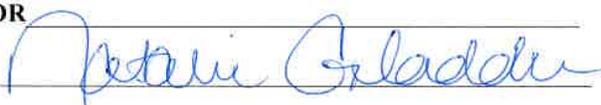
Page 2

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?   
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?   	

### Initial Response

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

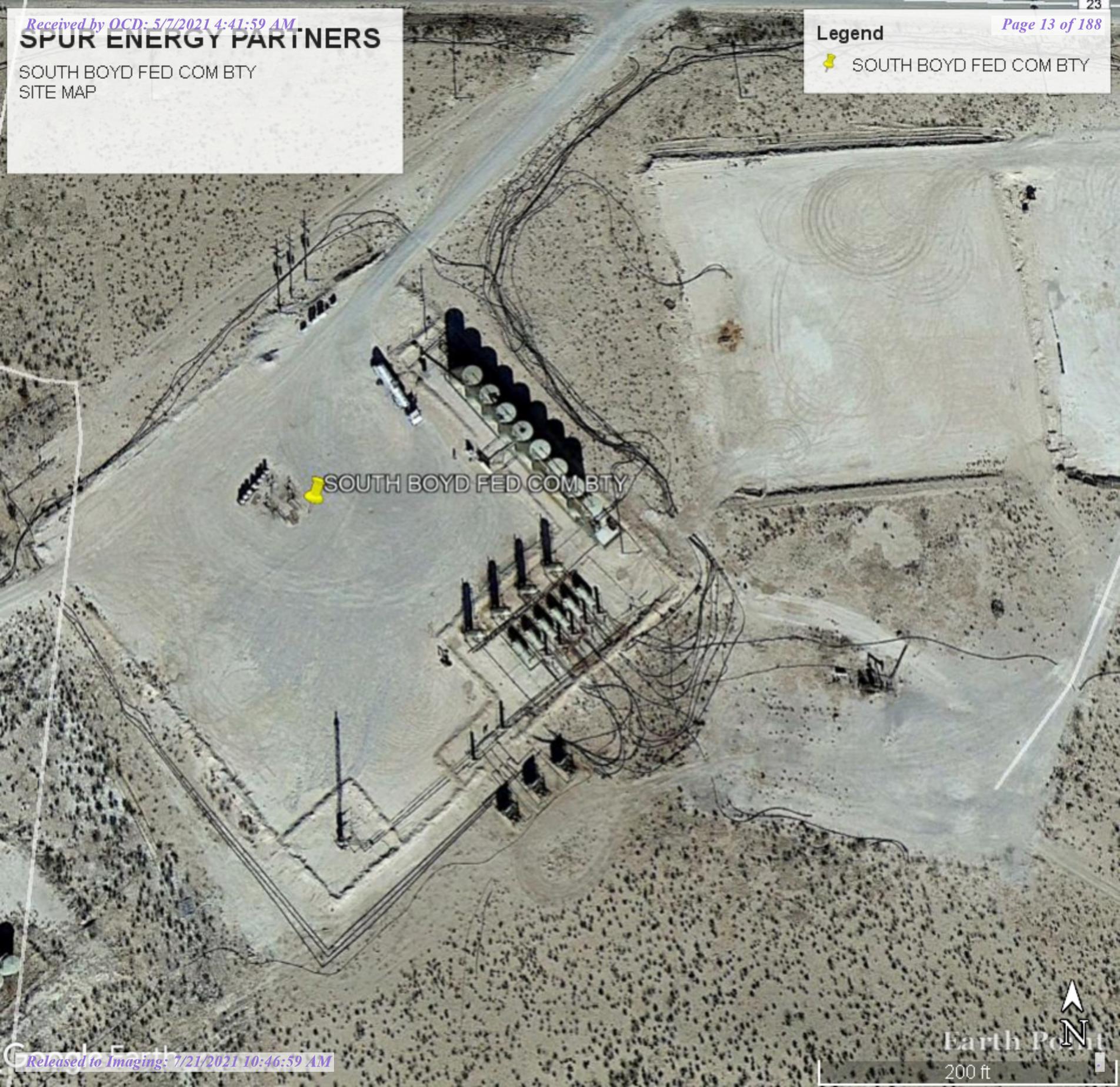
<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, 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:  <b>THE CHECK VALVE WAS REPLACED ON THE MANIFOLD</b>
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: <u>NATALIE GLADDEN</u> Title: <u>ENVIRONMENTAL AND REGULATORY</u> <b>DIRECTOR</b> Signature:  Date: <u>12/20/19</u> email: <u>NGLADDEN@HUNGRY-HORSE.COM</u> Telephone: <u>575-390-6397</u>
<b>OCD Only</b> Received by: <u>Robert Hamlet</u> Date: <u>2/3/2020</u>

# SPUR ENERGY PARTNERS

SOUTH BOYD FED COM BTY  
SITE MAP

**Legend**

-  SOUTH BOYD FED COM BTY



 SOUTH BOYD FED COM BTY



# SPUR E&P SOUTH BOYD FEDERAL COM BATTERY





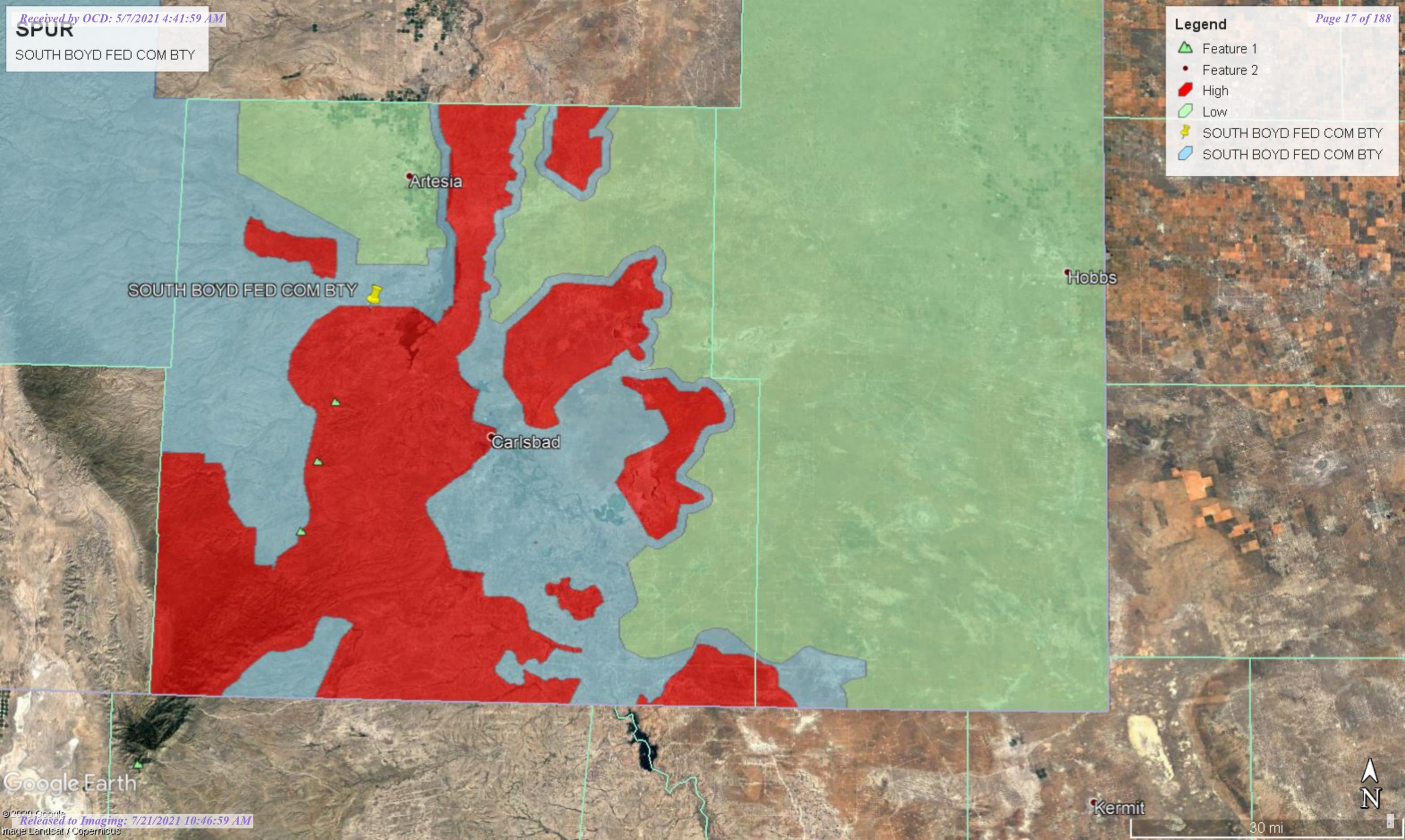


SPUR

SOUTH BOYD FED COM BTY

**Legend**

-  Feature 1
-  Feature 2
-  High
-  Low
-  SOUTH BOYD FED COM BTY
-  SOUTH BOYD FED COM BTY





# New Mexico Office of the State Engineer

## Point of Diversion Summary

<b>Well Tag</b>	<b>POD Number</b>	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)	<b>Q64 Q16 Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	(NAD83 UTM in meters)	<b>X</b>	<b>Y</b>
	RA 03304		1	27	19S	25E		549081	3610973*

<b>Driller License:</b> 62	<b>Driller Company:</b> BEATTY, J.R.	
<b>Driller Name:</b> BEATTY, J.R.		
<b>Drill Start Date:</b> 10/13/1954	<b>Drill Finish Date:</b> 10/15/1954	<b>Plug Date:</b>
<b>Log File Date:</b> 11/22/1954	<b>PCW Rcv Date:</b>	<b>Source:</b> Shallow
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b>
<b>Casing Size:</b> 7.00	<b>Depth Well:</b> 130 feet	<b>Depth Water:</b> 60 feet

Water Bearing Stratifications:	Top	Bottom	Description
	90	100	Sandstone/Gravel/Conglomerate
	103	118	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	90	118

\*UTM location was derived from PLSS - see Help

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



# New Mexico Office of the State Engineer

## Point of Diversion Summary

<b>Well Tag</b>	<b>POD Number</b>							
	RA 02909							

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

		<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
		1	3	22	19S	25E		548864	3611989*

<b>Driller License:</b>	<b>Driller Company:</b>	
<b>Driller Name:</b> A.F. SMITH		
<b>Drill Start Date:</b> 06/26/1952	<b>Drill Finish Date:</b> 07/05/1952	<b>Plug Date:</b>
<b>Log File Date:</b> 08/11/1952	<b>PCW Rcv Date:</b>	<b>Source:</b> Shallow
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b>
<b>Casing Size:</b> 8.63	<b>Depth Well:</b> 188 feet	<b>Depth Water:</b> 130 feet

<b>Water Bearing Stratifications:</b>	<b>Top</b>	<b>Bottom</b>	<b>Description</b>
	120	130	Sandstone/Gravel/Conglomerate

\*UTM location was derived from PLSS - see Help

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



# 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)

<b>Well Tag</b>	<b>POD Number</b>	<b>Q64 Q16 Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
RA 08986		1 3 3	22	19S	25E	548825	3611507

<b>Driller License:</b> 421	<b>Driller Company:</b> GLENN'S WATER WELL SERVICE	
<b>Driller Name:</b> GLENN'S WATER WELL SERVICE		
<b>Drill Start Date:</b> 05/15/1995	<b>Drill Finish Date:</b> 05/15/1995	<b>Plug Date:</b>
<b>Log File Date:</b> 05/17/1995	<b>PCW Rcv Date:</b>	<b>Source:</b> Shallow
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b>
<b>Casing Size:</b>	<b>Depth Well:</b> 320 feet	<b>Depth Water:</b> 220 feet

<b>Meter Number:</b> 4314	<b>Meter Make:</b> HALLIBURTON
<b>Meter Serial Number:</b> 2ST23206	<b>Meter Multiplier:</b> 1.0000
<b>Number of Dials:</b> 6	<b>Meter Type:</b> Diversion
<b>Unit of Measure:</b> Barrels 42 gal.	<b>Return Flow Percent:</b>
<b>Usage Multiplier:</b>	<b>Reading Frequency:</b> Quarterly (No Reading Expected)

**Meter Readings (in Acre-Feet)**

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/01/2001	2000	160500	A	PRT		0
03/01/2001	2000	180000	A	RPT		2.513
12/31/2001	2001	180960	A	RPT		0.124
04/01/2002	2002	180960	A	RPT		0
06/30/2002	2002	180960	A	RPT		0
09/30/2002	2002	180960	A	RPT		0
04/01/2003	2003	180960	A	RPT		0
08/15/2003	2003	180960	A	tw		0
09/30/2003	2003	180960	A	tw		0
12/31/2003	2003	180960	A	tw		0
07/01/2004	2004	180960	A	sj		0
10/01/2004	2004	180960	A	sj		0
12/31/2004	2004	180960	A	sj		0
09/30/2005	2005	180960	A	RPT		0

<b>**YTD Meter Amounts:</b>	<b>Year</b>	<b>Amount</b>
	2000	2.513
	2001	0.124
	2002	0
	2003	0

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<b>**YTD Meter Amounts:</b>	<b>Year</b>	<b>Amount</b>
	2004	0
	2005	0

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<b>Meter Number:</b>	8259	<b>Meter Make:</b>	HALIBURTON
<b>Meter Serial Number:</b>	2 ST 23206	<b>Meter Multiplier:</b>	1.0000
<b>Number of Dials:</b>	6	<b>Meter Type:</b>	Diversion
<b>Unit of Measure:</b>	Barrels 42 gal.	<b>Return Flow Percent:</b>	
<b>Usage Multiplier:</b>	0.00	<b>Reading Frequency:</b>	Quarterly (No Reading Expected)

---

**Meter Readings (in Acre-Feet)**

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
10/01/2004	2004	180960	A	sj		0

---

<b>**YTD Meter Amounts:</b>	<b>Year</b>	<b>Amount</b>
	2004	0

---

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.



# New Mexico Office of the State Engineer

## Point of Diversion Summary

<b>Well Tag</b>	<b>POD Number</b>							
	RA 03018							

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

<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
3	2	4	34	19S	25E	549987	3608639*

<b>Driller License:</b> 46	<b>Driller Company:</b> ABBOTT BROTHERS COMPANY	
<b>Driller Name:</b> ABBOTT BROS.		
<b>Drill Start Date:</b>	<b>Drill Finish Date:</b> 02/01/1953	<b>Plug Date:</b>
<b>Log File Date:</b> 08/26/1953	<b>PCW Rcv Date:</b>	<b>Source:</b>
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b>
<b>Casing Size:</b> 7.00	<b>Depth Well:</b> 530 feet	<b>Depth Water:</b>

\*UTM location was derived from PLSS - see Help

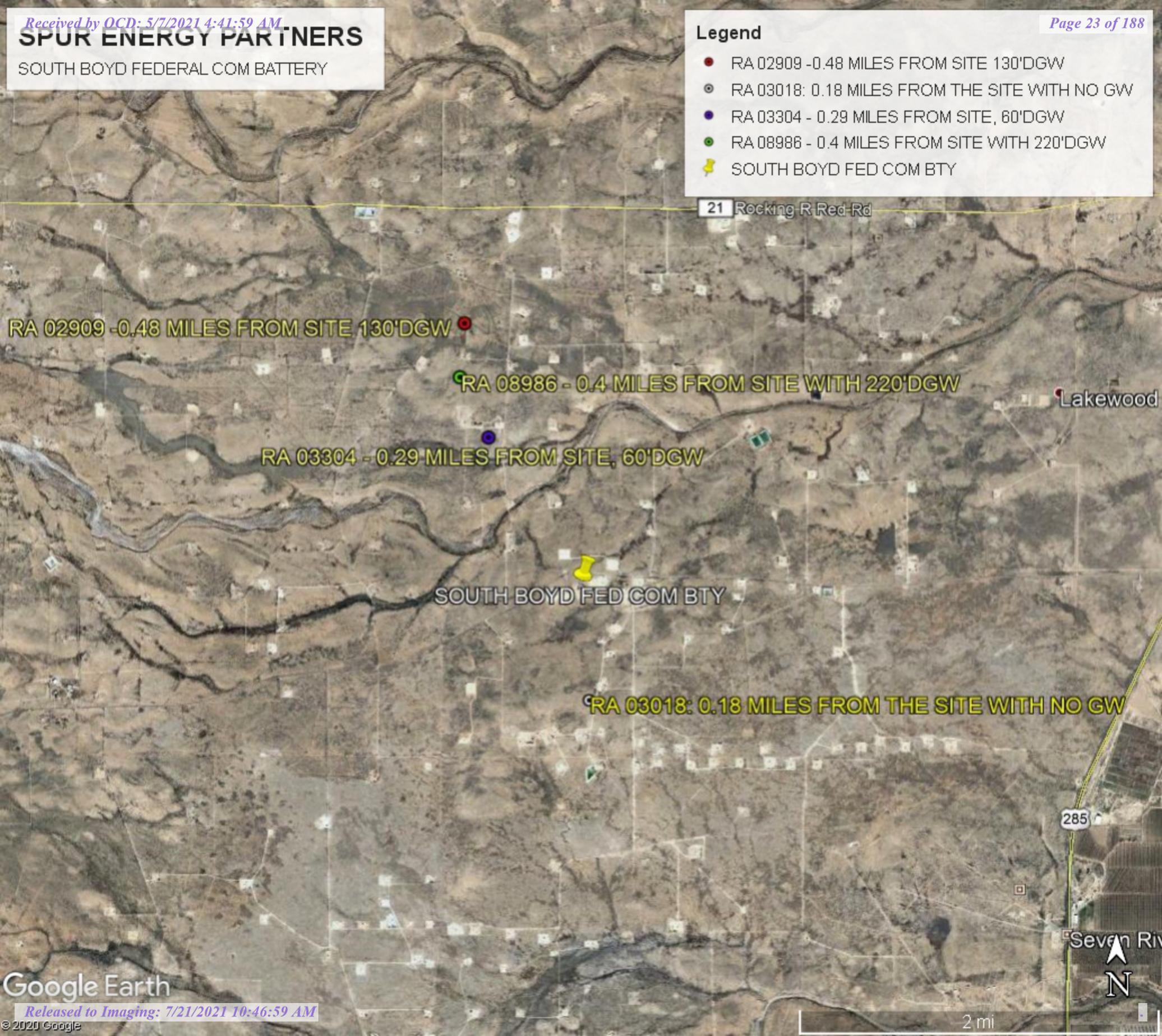
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

# SPUR ENERGY PARTNERS

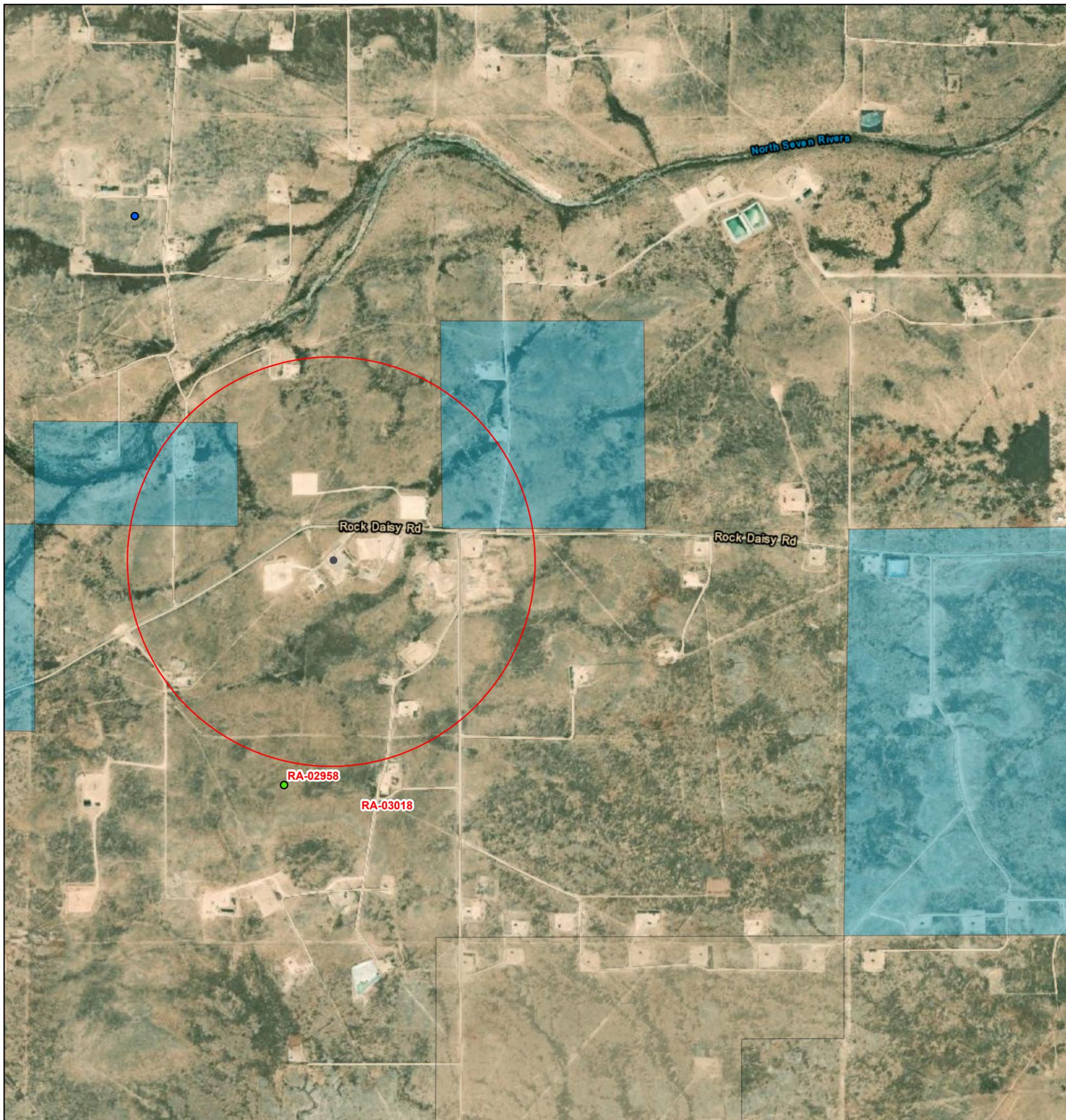
SOUTH BOYD FEDERAL COM BATTERY

## Legend

- RA 02909 - 0.48 MILES FROM SITE 130'DGW
- RA 03018: 0.18 MILES FROM THE SITE WITH NO GW
- RA 03304 - 0.29 MILES FROM SITE, 60'DGW
- RA 08986 - 0.4 MILES FROM SITE WITH 220'DGW
- 📌 SOUTH BOYD FED COM BTY



# OSE PUBLIC PRINT



5/6/2021, 12:18:58 PM

1:18,056

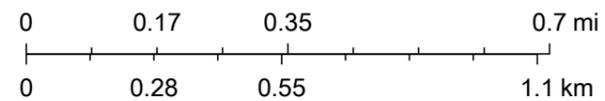
### GIS WATERS PODs

- Active
- Pending

OSE District Boundary

### New Mexico State Trust Lands

- Subsurface Estate
- Both Estates
- SiteBoundaries

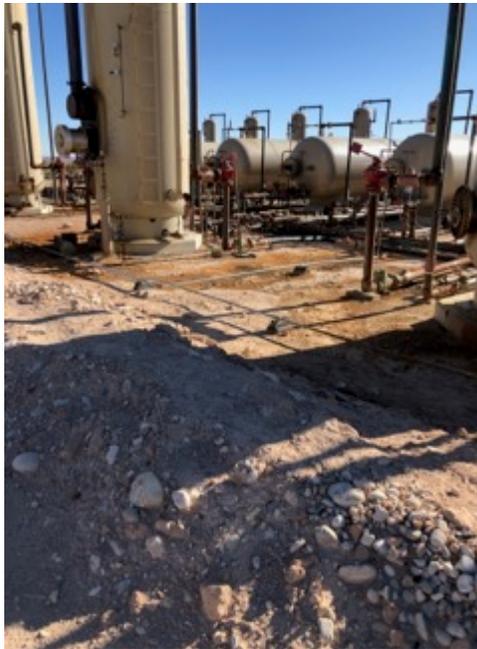


Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar

# SPUR ENERGY SOUTH BOYD FEDERAL COM BATTERY













# SPUR ENERGY PARTNERS

SOUTH BOYD FED COM BTY  
DELINEATION MAP

## Legend

- HORIZONTAL SAMPLES
- IMPACT AREA
- VERTICAL SAMPLES

- SP1: 32.622790 -104.467932
- SP2: 32.622823 -104.467887
- SP3: 32.622867 -104.467832
- SP4: 32.622910 -104.467766
- SP5: 32.622942 -104.467710
- SP6: 32.622962 -104.467543
- SP7: 32.623015 -104.467543
- SP8: 32.622998 -104.467511
- SP9: 32.622969 -104.467506
- SP10: 32.622951 -104.467475
- SP11: 32.622926 -104.467458
- SP12: 32.622918 -104.467444
- SP13: 32.622907 -104.467425
- SP14: 32.622896 -104.467406
- SW1: 32.622886 -104.467393
- SW2: 32.622973 -104.467455
- SW3: 32.623037 -104.467558
- SW4: 32.622916 -104.467478
- SW5: 32.622954 -104.467546
- SW6: 32.622962 -104.467698
- SW7: 32.622896 -104.467762
- SW8: 32.622830 -104.467856
- SW9: 32.622783 -104.467942
- SW10: 32.622844 -104.467897
- SW11: 32.622929 -104.467778



Earth Point

70 ft

Company Name: **SPUR ENERGY** Location Name: **SOUTH BOYD 18 BTY** Release Date: **11.26.19**

SP ID	Depth	Titr	PID	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL	Soil	Notes
SP1	SURF	240									SURFACE ONLY
SP1	1'	240									
SP1	2'	160		ND	ND	ND	ND	ND	ND		
SP2	SURF	320									SURFACE ONLY
SP2	1'	240									
SP2	2'	160		ND	ND	ND	ND	ND	63.3		
SP3	SURF	240									SURFACE ONLY
SP3	2'	160									
SP3	4'	160		ND	ND	ND	ND	ND	54.9		
SP4	SURF	400									SURFACE ONLY
SP4	2'	560									
SP4	4'	240		ND	ND	ND	ND	ND	368		
SP5	SURF	320									SURFACE ONLY
SP5	2'	320									
SP5	4'	320		ND	41.6	ND	ND	41.6	101		
SP6	SURF	4320									SURFACE ONLY
SP6	2'	6240									
SP6	4'	480									
SP6	6'	480		ND	28	ND	ND	28	533		
SP7	SURF	13200									SURFACE ONLY
SP7	2'	6400									
SP7	4'	1680									
SP7	6'	480									
SP7	8'	480		ND	50.3	ND	ND	50.3	306		
SP8	SURF	4000									SURFACE ONLY
SP8	2'	320									

SP8	4'	400		ND	ND	ND	ND	ND	201	
SP9	SURF	480								SURFACE ONLY
SP9	2'	480								
SP9	4'	480		ND	ND	ND	ND	ND	ND	
SP10	SURF	6400								SURFACE ONLY
SP10	2'	480								
SP10	4'	320		ND	ND	ND	ND	ND	404	
SP11	SURF	16000								SURFACE ONLY
SP11	2'	400								
SP11	4'	240		ND	ND	ND	ND	ND	76	
SW1	SURF	320								
SW1	1'	160								
SW1	2'	160		ND	ND	ND	ND	ND	ND	
SW2	SURF	320								
SW2	1'	240								
SW2	2'	240		ND	ND	ND	ND	ND	ND	
SW3	SURF	240								
SW3	1'	160								
SW3	2'	160		ND	ND	ND	ND	ND	ND	
SW4	SURF	240								
SW4	1'	240								
SW4	2'	160		ND	ND	ND	ND	ND	ND	
SW5	SURF	240								
SW5	1'	160								
SW5	2'	160		ND	ND	ND	ND	ND	137	
SW6	SURF	240								
SW6	1'	160								

SW6	2'	160		ND	ND	ND	ND	ND	ND		
SW7	SURF	320									
SW7	1'	400									
SW7	2'	400		ND	ND	ND	ND	ND	325		
SW8	SURF	560									
SW8	1'	480									
SW8	2'	400		ND	ND	ND	ND	ND	290		
SW9	SURF	320									
SW9	1'	240									
SW9	2'	160		ND	ND	ND	ND	ND	30.2		
SW10	SURF	320									
SW10	1'	240									
SW10	2'	160		ND	ND	ND	ND	ND	59		
SW11	SURF	320									
SW11	1'	240									
SW11	2'	240		0.303	57	ND	ND	57	21		
SP12	SURF	26000									SURFACE ONLY
SP12	1'	1600									
SP12	2'	880									
SP12	3'	480									
SP12	4'	480		1.37	751	251	24.8	1026.8	1210		
SP13	SURF	7200									SURFACE ONLY
SP13	1'	1680									
SP13	2'	1600									
SP13	3'	1200									
SP13	4'	560									
SP13	5'	480		0.0265	66.1	ND	ND	66.1	450		

SP14	SURF	16000										SURFACE ONLY
SP14	1'	2400										
SP14	2'	2000										
SP14	3'	960										
SP14	4'	400										
SP14	5'	400		0.818	336	77.4	ND	413.4	814			

**COMPOSITE SAMPLE DATA**

SP ID	Depth	Titr	PID	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL	Soil	Notes
BH1				ND	ND	ND	ND	ND	ND		
BH2				ND	ND	ND	ND	ND	ND		
BH3				ND	ND	ND	ND	ND	ND		
BH4				ND	ND	ND	ND	ND	ND		
BH5				ND	ND	ND	ND	ND	ND		
SWC-N	SURF			ND	102	ND	ND	102	878		
SWC-N	1'			ND	ND	ND	ND	ND	ND		
SWC-E	SURF			0.0631	30.6	ND	ND	30.6	73.7		
SWC-W	2'			ND	ND	ND	ND	ND	ND		
SWE-W	1'			ND	ND	ND	ND	ND	23.6		
SWE-N	2'			ND	ND	ND	ND	ND	ND		

Report to:

Brady Moulder

PO Box 1058

Hobbs, NM 88240



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Spur

Project Name: South Boyd Federal Com Battery

Work Order: P006023

Job Number: 19054-0003

Received: 6/9/2020

Revision: 2

Report Reviewed By:

*Walter Hinchman*

Walter Hinchman

Laboratory Director

9/18/20

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 NM009792018-1 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 9/18/20

Brady Moulder  
PO Box 1058  
Hobbs, NM 88240



Project Name: South Boyd Federal Com Battery  
Workorder: P006023  
Date Received: 6/9/2020 10:00:00AM

Brady Moulder,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/9/2020 10:00:00AM, under the Project Name: South Boyd Federal Com Battery.

The analytical test results summarized in this report with the Project Name: South Boyd Federal Com Battery 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](mailto:whinchman@envirotech-inc.com)

**Raina Lopez**  
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**Alexa Michaels**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 09/18/20 12:50
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SWC-N	P006023-01A	Soil	06/08/20	06/09/20	Glass Jar, 4 oz.
SWC-E	P006023-02A	Soil	06/08/20	06/09/20	Glass Jar, 4 oz.
SWC-W-2'	P006023-03A	Soil	06/08/20	06/09/20	Glass Jar, 4 oz.
SWE-W-1'	P006023-04A	Soil	06/08/20	06/09/20	Glass Jar, 4 oz.
SWE-N-2'	P006023-05A	Soil	06/08/20	06/09/20	Glass Jar, 4 oz.



## Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Brady Moulder	Reported: 9/18/2020 12:50:19PM
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### SWC-N

#### P006023-01 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2024004
Benzene	ND	0.0250	1	06/09/20	06/09/20	
Toluene	ND	0.0250	1	06/09/20	06/09/20	
Ethylbenzene	ND	0.0250	1	06/09/20	06/09/20	
p,m-Xylene	ND	0.0500	1	06/09/20	06/09/20	
o-Xylene	ND	0.0250	1	06/09/20	06/09/20	
Total Xylenes	ND	0.0250	1	06/09/20	06/09/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	50-150	06/09/20	06/09/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2024004
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/20	06/09/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.7 %	50-150	06/09/20	06/09/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2024006
Diesel Range Organics (C10-C28)	102	25.0	1	06/09/20	06/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/09/20	06/09/20	
<i>Surrogate: n-Nonane</i>						
		79.0 %	50-200	06/09/20	06/09/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2024005
Chloride	878	20.0	1	06/09/20	06/09/20	
<b>Totals</b>						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/09/20	06/09/20	
Total BTEX	ND	0.0250		06/09/20	06/09/20	
Total TPH (C6-C40)	102	20.0		06/09/20	06/09/20	



### Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:50:19PM
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**SWC-E**

**P006023-02 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RS		Batch: 2024004
Benzene	ND	0.0250	1	06/09/20	06/09/20	
Toluene	<b>0.0379</b>	0.0250	1	06/09/20	06/09/20	
Ethylbenzene	<b>0.0252</b>	0.0250	1	06/09/20	06/09/20	
p,m-Xylene	ND	0.0500	1	06/09/20	06/09/20	
o-Xylene	ND	0.0250	1	06/09/20	06/09/20	
Total Xylenes	ND	0.0250	1	06/09/20	06/09/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	50-150	06/09/20	06/09/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RS		Batch: 2024004
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/20	06/09/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.2 %	50-150	06/09/20	06/09/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2024006
Diesel Range Organics (C10-C28)	<b>30.6</b>	25.0	1	06/09/20	06/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/09/20	06/09/20	
<i>Surrogate: n-Nonane</i>		87.4 %	50-200	06/09/20	06/09/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: NE		Batch: 2024005
Chloride	<b>73.7</b>	20.0	1	06/09/20	06/09/20	
<b>Totals</b>	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/09/20	06/09/20	
Total BTEX	<b>0.0631</b>	0.0250		06/09/20	06/09/20	
Total TPH (C6-C40)	<b>30.6</b>	20.0		06/09/20	06/09/20	



### Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:50:19PM
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**SWC-W-2'**

**P006023-03 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2024004
Benzene	ND	0.0250	1	06/09/20	06/09/20	
Toluene	ND	0.0250	1	06/09/20	06/09/20	
Ethylbenzene	ND	0.0250	1	06/09/20	06/09/20	
p,m-Xylene	ND	0.0500	1	06/09/20	06/09/20	
o-Xylene	ND	0.0250	1	06/09/20	06/09/20	
Total Xylenes	ND	0.0250	1	06/09/20	06/09/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	50-150	06/09/20	06/09/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2024004
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/20	06/09/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.2 %	50-150	06/09/20	06/09/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2024006
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/20	06/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/09/20	06/09/20	
<i>Surrogate: n-Nonane</i>						
		92.1 %	50-200	06/09/20	06/09/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2024005
Chloride	ND	20.0	1	06/09/20	06/09/20	
<b>Totals</b>						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/09/20	06/09/20	
Total BTEX	ND	0.0250		06/09/20	06/09/20	
Total TPH (C6-C40)	ND	20.0		06/09/20	06/09/20	



### Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:50:19PM
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**SWE-W-1'**

**P006023-04 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RS		Batch: 2024004
Benzene	ND	0.0250	1	06/09/20	06/09/20	
Toluene	ND	0.0250	1	06/09/20	06/09/20	
Ethylbenzene	ND	0.0250	1	06/09/20	06/09/20	
p,m-Xylene	ND	0.0500	1	06/09/20	06/09/20	
o-Xylene	ND	0.0250	1	06/09/20	06/09/20	
Total Xylenes	ND	0.0250	1	06/09/20	06/09/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	50-150	06/09/20	06/09/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RS		Batch: 2024004
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/20	06/09/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.5 %	50-150	06/09/20	06/09/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2024006
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/20	06/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/09/20	06/09/20	
<i>Surrogate: n-Nonane</i>		92.4 %	50-200	06/09/20	06/09/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: NE		Batch: 2024005
Chloride	23.6	20.0	1	06/09/20	06/09/20	
<b>Totals</b>	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/09/20	06/09/20	
Total BTEX	ND	0.0250		06/09/20	06/09/20	
Total TPH (C6-C40)	ND	20.0		06/09/20	06/09/20	



### Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:50:19PM
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**SWE-N-2'**

**P006023-05 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2024004
Benzene	ND	0.0250	1	06/09/20	06/09/20	
Toluene	ND	0.0250	1	06/09/20	06/09/20	
Ethylbenzene	ND	0.0250	1	06/09/20	06/09/20	
p,m-Xylene	ND	0.0500	1	06/09/20	06/09/20	
o-Xylene	ND	0.0250	1	06/09/20	06/09/20	
Total Xylenes	ND	0.0250	1	06/09/20	06/09/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	50-150	06/09/20	06/09/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2024004
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/20	06/09/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.6 %	50-150	06/09/20	06/09/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2024006
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/20	06/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/09/20	06/09/20	
<i>Surrogate: n-Nonane</i>		91.9 %	50-200	06/09/20	06/09/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2024005
Chloride	ND	20.0	1	06/09/20	06/09/20	
<b>Totals</b>						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/09/20	06/09/20	
Total BTEX	ND	0.0250		06/09/20	06/09/20	
Total TPH (C6-C40)	ND	20.0		06/09/20	06/09/20	



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:50:19PM
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#### Volatile Organics by EPA 8021B

Analyst: RS

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 (2024004-BLK1)**

Prepared: 06/09/20 Analyzed: 06/09/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.33		8.00		104	50-150			

**LCS (2024004-BS1)**

Prepared: 06/09/20 Analyzed: 06/09/20

Benzene	5.21	0.0250	5.00		104	70-130			
Toluene	5.20	0.0250	5.00		104	70-130			
Ethylbenzene	5.17	0.0250	5.00		103	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
o-Xylene	5.19	0.0250	5.00		104	70-130			
Total Xylenes	15.5	0.0250	15.0		104	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.52		8.00		107	50-150			

**Matrix Spike (2024004-MS1)**

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Benzene	5.15	0.0250	5.00	ND	103	54.3-133			
Toluene	5.16	0.0250	5.00	ND	103	61.4-130			
Ethylbenzene	5.14	0.0250	5.00	ND	103	61.4-133			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63.3-131			
o-Xylene	5.14	0.0250	5.00	ND	103	63.3-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00		104	50-150			

**Matrix Spike Dup (2024004-MSD1)**

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Benzene	5.14	0.0250	5.00	ND	103	54.3-133	0.0797	20	
Toluene	5.12	0.0250	5.00	ND	102	61.4-130	0.765	20	
Ethylbenzene	5.10	0.0250	5.00	ND	102	61.4-133	0.769	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63.3-131	0.817	20	
o-Xylene	5.11	0.0250	5.00	ND	102	63.3-131	0.741	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	0-200	0.792	200	
Surrogate: 4-Bromochlorobenzene-PID	8.48		8.00		106	50-150			



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:50:19PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RS

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

**Blank (2024004-BLK1)**

Prepared: 06/09/20 Analyzed: 06/09/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	50-150			

**LCS (2024004-BS2)**

Prepared: 06/09/20 Analyzed: 06/09/20

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	50-150			

**Matrix Spike (2024004-MS2)**

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	50-150			

**Matrix Spike Dup (2024004-MSD2)**

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.6	70-130	0.745	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	50-150			



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:50:19PM
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#### 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 (2024006-BLK1)**

Prepared: 06/09/20 Analyzed: 06/09/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	45.7		50.0		91.4	50-200			

**LCS (2024006-BS1)**

Prepared: 06/09/20 Analyzed: 06/09/20

Diesel Range Organics (C10-C28)	451	25.0	500		90.1	38-132			
Surrogate: n-Nonane	48.8		50.0		97.7	50-200			

**Matrix Spike (2024006-MS1)**

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Diesel Range Organics (C10-C28)	539	25.0	500	102	87.4	38-132			
Surrogate: n-Nonane	41.6		50.0		83.3	50-200			

**Matrix Spike Dup (2024006-MSD1)**

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Diesel Range Organics (C10-C28)	535	25.0	500	102	86.7	38-132	0.716	20	
Surrogate: n-Nonane	45.2		50.0		90.4	50-200			



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:50:19PM
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#### Anions by EPA 300.0/9056A

Analyst: NE

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 (2024005-BLK1)**

Prepared: 06/09/20 Analyzed: 06/09/20

Chloride ND 20.0

**LCS (2024005-BS1)**

Prepared: 06/09/20 Analyzed: 06/09/20

Chloride 249 20.0 250 99.5 90-110

**Matrix Spike (2024005-MS1)**

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Chloride 1020 20.0 250 878 57.3 80-120 M2

**Matrix Spike Dup (2024005-MSD1)**

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Chloride 1120 20.0 250 878 98.5 80-120 9.62 20

QC Summary Report Comment:

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



### Definitions and Notes

Spur	Project Name:	South Boyd Federal Com Battery	
PO Box 1058	Project Number:	19054-0003	<b>Reported:</b>
Hobbs NM, 88240	Project Manager:	Brady Moulder	09/18/20 12:50

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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



Client: <u>SPur Energy</u> Project: <u>South David 18</u> Project Manager: <u>Brady Moulder</u> Address: _____ City, State, Zip _____ Phone: <u>575-441-0212</u> Email: <u>Egaytan@Hungry-Horse.com</u> Report due by: <u>Hungry Horse LLC</u>		Bill To Attention: <u>Edelie gaytan</u> Address: <u>4024 Plains Hwy</u> City, State, Zip _____ Phone: <u>575-441-0212</u> Email: <u>Egaytan@Hungry-Horse.com</u>		Lab Use Only Lab WO# <u>PC06023</u> Job Number <u>19054-0003</u> Analysis and Method _____		TAT 1D <input checked="" type="checkbox"/> 3D _____		EPA Program RCRA _____ CWA _____ SDWA _____ State NM _____ CO _____ UT _____ AZ _____ TX _____ OK _____		
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Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks	
8:46	6/8/2020	S	1	SWC-N	1							X			
8:55	}	}	}	SWC-E	2							X			
10:52				SWC-W-2'	3								X		
9:44				SWE-W-1'	4								X		
10:58				SWE-N-2'	5								X		

**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: Caleb Pitcher

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>6/8/2020</u>	Time <u>12:40</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>6-8-2020</u>	Time <u>1240</u>	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) <u>[Signature]</u>	Date <u>6-8-2020</u>	Time <u>1620</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>6/9/20</u>	Time <u>10:00</u>	
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.

Released to Imaging: 7/21/2021 10:46:59 AM

Received by OCD: 5/7/2021 4:41:59 AM

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Page 50 of 188

Report to:

Brady Moulder

PO Box 1058

Hobbs, NM 88240



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Spur

Project Name: South Boyd Federal Com Battery

Work Order: P006044

Job Number: 19054-0003

Received: 6/12/2020

Revision: 2

Report Reviewed By:

*Walter Hinchman*

Walter Hinchman

Laboratory Director

9/18/20

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 NM009792018-1 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 9/18/20

Brady Moulder  
PO Box 1058  
Hobbs, NM 88240



Project Name: South Boyd Federal Com Battery  
Workorder: P006044  
Date Received: 6/12/2020 9:45:00AM

Brady Moulder,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/12/2020 9:45:00AM, under the Project Name: South Boyd Federal Com Battery.

The analytical test results summarized in this report with the Project Name: South Boyd Federal Com Battery 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](mailto:whinchman@envirotech-inc.com)

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**Alexa Michaels**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Spur	Project Name:	South Boyd Federal Com Battery	<b>Reported:</b> 09/18/20 12:51
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Brady Moulder	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SWC-N-1'	P006044-01A	Soil	06/11/20	06/12/20	Glass Jar, 4 oz.



## Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:51:04PM
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### SWC-N-1'

#### P006044-01 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2024026
Benzene	ND	0.0250	1	06/12/20	06/12/20	
Toluene	ND	0.0250	1	06/12/20	06/12/20	
Ethylbenzene	ND	0.0250	1	06/12/20	06/12/20	
p,m-Xylene	ND	0.0500	1	06/12/20	06/12/20	
o-Xylene	ND	0.0250	1	06/12/20	06/12/20	
Total Xylenes	ND	0.0250	1	06/12/20	06/12/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	50-150	06/12/20	06/12/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2024026
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/20	06/12/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.1 %	50-150	06/12/20	06/12/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2024027
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/20	06/12/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/12/20	06/12/20	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	06/12/20	06/12/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2024025
Chloride	ND	20.0	1	06/12/20	06/12/20	
<b>Totals</b>						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/12/20	06/12/20	
Total BTEX	ND	0.0250		06/12/20	06/12/20	
Total TPH (C6-C40)	ND	20.0		06/12/20	06/12/20	



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:51:04PM
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#### Volatile Organics by EPA 8021B

Analyst: RS

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 (2024026-BLK1)

Prepared: 06/12/20 Analyzed: 06/12/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.23		8.00		103	50-150			

#### LCS (2024026-BS1)

Prepared: 06/12/20 Analyzed: 06/12/20

Benzene	5.23	0.0250	5.00		105	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
Ethylbenzene	5.20	0.0250	5.00		104	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
o-Xylene	5.20	0.0250	5.00		104	70-130			
Total Xylenes	15.6	0.0250	15.0		104	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.33		8.00		104	50-150			

#### Matrix Spike (2024026-MS1)

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Benzene	5.12	0.0250	5.00	ND	102	54.3-133			
Toluene	5.10	0.0250	5.00	ND	102	61.4-130			
Ethylbenzene	5.06	0.0250	5.00	ND	101	61.4-133			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63.3-131			
o-Xylene	5.07	0.0250	5.00	ND	101	63.3-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.39		8.00		105	50-150			

#### Matrix Spike Dup (2024026-MSD1)

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Benzene	5.05	0.0250	5.00	ND	101	54.3-133	1.37	20	
Toluene	5.02	0.0250	5.00	ND	100	61.4-130	1.55	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61.4-133	1.44	20	
p,m-Xylene	9.99	0.0500	10.0	ND	99.9	63.3-131	1.38	20	
o-Xylene	5.01	0.0250	5.00	ND	100	63.3-131	1.21	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	0-200	1.32	200	
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	50-150			



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:51:04PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RS

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

**Blank (2024026-BLK1)**

Prepared: 06/12/20 Analyzed: 06/12/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.4	50-150			

**LCS (2024026-BS2)**

Prepared: 06/12/20 Analyzed: 06/12/20

Gasoline Range Organics (C6-C10)	47.6	20.0	50.0		95.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.7	50-150			

**Matrix Spike (2024026-MS2)**

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	50-150			

**Matrix Spike Dup (2024026-MSD2)**

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.1	70-130	0.613	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	50-150			



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:51:04PM
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#### 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 (2024027-BLK1)**

Prepared: 06/12/20 Analyzed: 06/12/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	52.0		50.0		104	50-200			

**LCS (2024027-BS1)**

Prepared: 06/12/20 Analyzed: 06/12/20

Diesel Range Organics (C10-C28)	444	25.0	500		88.7	38-132			
Surrogate: n-Nonane	47.6		50.0		95.3	50-200			

**Matrix Spike (2024027-MS1)**

Source: P006045-01 Prepared: 06/12/20 Analyzed: 06/12/20

Diesel Range Organics (C10-C28)	474	25.0	500	ND	94.8	38-132			
Surrogate: n-Nonane	47.1		50.0		94.1	50-200			

**Matrix Spike Dup (2024027-MSD1)**

Source: P006045-01 Prepared: 06/12/20 Analyzed: 06/12/20

Diesel Range Organics (C10-C28)	482	25.0	500	ND	96.4	38-132	1.64	20	
Surrogate: n-Nonane	47.3		50.0		94.6	50-200			



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:51:04PM
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#### Anions by EPA 300.0/9056A

Analyst: NE

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 (2024025-BLK1)**

Prepared: 06/12/20 Analyzed: 06/12/20

Chloride ND 20.0

**LCS (2024025-BS1)**

Prepared: 06/12/20 Analyzed: 06/12/20

Chloride 248 20.0 250 99.2 90-110

**Matrix Spike (2024025-MS1)**

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Chloride 265 20.0 250 ND 106 80-120

**Matrix Spike Dup (2024025-MSD1)**

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Chloride 262 20.0 250 ND 105 80-120 1.06 20

QC Summary Report Comment:

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



## Definitions and Notes

Spur	Project Name:	South Boyd Federal Com Battery	
PO Box 1058	Project Number:	19054-0003	<b>Reported:</b>
Hobbs NM, 88240	Project Manager:	Brady Moulder	09/18/20 12:51

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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



Client: <u>Spur Energy</u>	Bill To	Lab Use Only	TAT	EPA Program									
Project: <u>South Blvd 18</u>	Attention: <u>Eddie Gaylan</u>	Lab WO# <u>P006044</u>	Job Number <u>190540008X</u>	1D	3D	RCRA	CWA	SDWA					
Project Manager: <u>Brady Maulder</u>	Address: <u>4024 Plains Hwy</u>	Analysis and Method						State					
Address:	City, State, Zip: <u>Louington NM</u>	DRO/ORO by 805	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	NM	CO	UT	AZ
City, State, Zip	Phone: <u>575-441-0212</u>									TX	OK		
Phone: <u>575 441 0212</u>	Email: <u>Egaylan@Hungry-Horse.com</u>												
Email: <u>Egaylan@Hungry-Horse.com</u>	Report due by: <u>Hungry Horse LLC</u>												

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 805	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
11:00	6/11/20	S	1	SWC-N-1'	1							X		

**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) <u>[Signature]</u>	Date <u>6/11/2020</u>	Time <u>11:49</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>6-11-2020</u>	Time <u>1149</u>	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>6-11-2020</u>	Time <u>1625</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>6/12/20</u>	Time <u>9:45</u>	
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.

Report to:

Eddie Gayton

PO Box 1058

Hobbs, NM 88240



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Spur

Project Name: South Boyd Federal Com Battery

Work Order: P006052

Job Number: 19054-0003

Received: 6/16/2020

Revision: 2

Report Reviewed By:

*Walter Hinchman*

Walter Hinchman

Laboratory Director

9/18/20

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 NM009792018-1 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 9/18/20

Eddie Gayton  
PO Box 1058  
Hobbs, NM 88240



Project Name: South Boyd Federal Com Battery  
Workorder: P006052  
Date Received: 6/16/2020 9:30:00AM

Eddie Gayton,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/16/2020 9:30:00AM, under the Project Name: South Boyd Federal Com Battery.

The analytical test results summarized in this report with the Project Name: South Boyd Federal Com Battery 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  
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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Eddie Gayton	<b>Reported:</b> 09/18/20 12:51
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH-1	P006052-01A	Soil	06/15/20	06/16/20	Glass Jar, 4 oz.
BH-2	P006052-02A	Soil	06/15/20	06/16/20	Glass Jar, 4 oz.
BH-3	P006052-03A	Soil	06/15/20	06/16/20	Glass Jar, 4 oz.
BH-4	P006052-04A	Soil	06/15/20	06/16/20	Glass Jar, 4 oz.
BH-5	P006052-05A	Soil	06/15/20	06/16/20	Glass Jar, 4 oz.



### Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Eddie Gayton	<b>Reported:</b> 9/18/2020 12:51:42PM
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**BH-1**

**P006052-01 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: RS		Batch: 2025002
Benzene	ND	0.0250	1	06/16/20	06/16/20	
Toluene	ND	0.0250	1	06/16/20	06/16/20	
Ethylbenzene	ND	0.0250	1	06/16/20	06/16/20	
p,m-Xylene	ND	0.0500	1	06/16/20	06/16/20	
o-Xylene	ND	0.0250	1	06/16/20	06/16/20	
Total Xylenes	ND	0.0250	1	06/16/20	06/16/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	50-150	06/16/20	06/16/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RS		Batch: 2025002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/20	06/16/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.5 %	50-150	06/16/20	06/16/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2025007
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/20	06/16/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/15/20	06/16/20	
<i>Surrogate: n-Nonane</i>		96.2 %	50-200	06/15/20	06/16/20	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: NE		Batch: 2025010
Chloride	ND	20.0	1	06/16/20	06/16/20	
<b>Totals</b>		mg/kg	mg/kg			
Total Xylenes	ND	0.0250		06/16/20	06/16/20	
Total BTEX	ND	0.0250		06/16/20	06/16/20	
Total TPH (C6-C40)	ND	20.0		06/16/20	06/16/20	



### Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Eddie Gayton	<b>Reported:</b> 9/18/2020 12:51:42PM
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**BH-2**

**P006052-02 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: RS		Batch: 2025002
Benzene	ND	0.0250	1	06/16/20	06/16/20	
Toluene	ND	0.0250	1	06/16/20	06/16/20	
Ethylbenzene	ND	0.0250	1	06/16/20	06/16/20	
p,m-Xylene	ND	0.0500	1	06/16/20	06/16/20	
o-Xylene	ND	0.0250	1	06/16/20	06/16/20	
Total Xylenes	ND	0.0250	1	06/16/20	06/16/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	50-150	06/16/20	06/16/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RS		Batch: 2025002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/20	06/16/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.7 %	50-150	06/16/20	06/16/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2025007
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/20	06/16/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/15/20	06/16/20	
<i>Surrogate: n-Nonane</i>		111 %	50-200	06/15/20	06/16/20	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: NE		Batch: 2025010
Chloride	ND	20.0	1	06/16/20	06/16/20	
<b>Totals</b>		mg/kg	mg/kg			
Total Xylenes	ND	0.0250		06/16/20	06/16/20	
Total BTEX	ND	0.0250		06/16/20	06/16/20	
Total TPH (C6-C40)	ND	20.0		06/16/20	06/16/20	



### Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Eddie Gayton	<b>Reported:</b> 9/18/2020 12:51:42PM
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**BH-3**

**P006052-03 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2025002
Benzene	ND	0.0250	1	06/16/20	06/16/20	
Toluene	ND	0.0250	1	06/16/20	06/16/20	
Ethylbenzene	ND	0.0250	1	06/16/20	06/16/20	
p,m-Xylene	ND	0.0500	1	06/16/20	06/16/20	
o-Xylene	ND	0.0250	1	06/16/20	06/16/20	
Total Xylenes	ND	0.0250	1	06/16/20	06/16/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	50-150	06/16/20	06/16/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2025002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/20	06/16/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.0 %	50-150	06/16/20	06/16/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2025007
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/20	06/16/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/15/20	06/16/20	
<i>Surrogate: n-Nonane</i>						
		99.6 %	50-200	06/15/20	06/16/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2025010
Chloride	ND	20.0	1	06/16/20	06/16/20	
<b>Totals</b>						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/16/20	06/16/20	
Total BTEX	ND	0.0250		06/16/20	06/16/20	
Total TPH (C6-C40)	ND	20.0		06/16/20	06/16/20	



### Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Eddie Gayton	<b>Reported:</b> 9/18/2020 12:51:42PM
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**BH-4**

**P006052-04 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2025002
Benzene	ND	0.0250	1	06/16/20	06/16/20	
Toluene	ND	0.0250	1	06/16/20	06/16/20	
Ethylbenzene	ND	0.0250	1	06/16/20	06/16/20	
p,m-Xylene	ND	0.0500	1	06/16/20	06/16/20	
o-Xylene	ND	0.0250	1	06/16/20	06/16/20	
Total Xylenes	ND	0.0250	1	06/16/20	06/16/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	50-150	06/16/20	06/16/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2025002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/20	06/16/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.6 %	50-150	06/16/20	06/16/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2025007
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/20	06/16/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/15/20	06/16/20	
<i>Surrogate: n-Nonane</i>		103 %	50-200	06/15/20	06/16/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2025010
Chloride	ND	20.0	1	06/16/20	06/16/20	
<b>Totals</b>						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/16/20	06/16/20	
Total BTEX	ND	0.0250		06/16/20	06/16/20	
Total TPH (C6-C40)	ND	20.0		06/16/20	06/16/20	



### Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Eddie Gayton	<b>Reported:</b> 9/18/2020 12:51:42PM
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**BH-5**

**P006052-05 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2025002
Benzene	ND	0.0250	1	06/16/20	06/16/20	
Toluene	ND	0.0250	1	06/16/20	06/16/20	
Ethylbenzene	ND	0.0250	1	06/16/20	06/16/20	
p,m-Xylene	ND	0.0500	1	06/16/20	06/16/20	
o-Xylene	ND	0.0250	1	06/16/20	06/16/20	
Total Xylenes	ND	0.0250	1	06/16/20	06/16/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	50-150	06/16/20	06/16/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2025002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/20	06/16/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.1 %	50-150	06/16/20	06/16/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2025007
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/20	06/16/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/15/20	06/16/20	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	06/15/20	06/16/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2025010
Chloride	ND	20.0	1	06/16/20	06/16/20	
<b>Totals</b>						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/16/20	06/16/20	
Total BTEX	ND	0.0250		06/16/20	06/16/20	
Total TPH (C6-C40)	ND	20.0		06/16/20	06/16/20	



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Eddie Gayton	<b>Reported:</b> 9/18/2020 12:51:42PM
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#### Volatile Organics by EPA 8021B

Analyst: RS

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 (2025002-BLK1)**

Prepared: 06/15/20 Analyzed: 06/15/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.49		8.00		106	50-150			

**LCS (2025002-BS1)**

Prepared: 06/15/20 Analyzed: 06/15/20

Benzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.07	0.0250	5.00		101	70-130			
Ethylbenzene	5.04	0.0250	5.00		101	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
o-Xylene	5.06	0.0250	5.00		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.63		8.00		108	50-150			

**Matrix Spike (2025002-MS1)**

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Benzene	5.20	0.0250	5.00	ND	104	54.3-133			
Toluene	5.19	0.0250	5.00	ND	104	61.4-130			
Ethylbenzene	5.16	0.0250	5.00	ND	103	61.4-133			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63.3-131			
o-Xylene	5.19	0.0250	5.00	ND	104	63.3-131			
Total Xylenes	15.5	0.0250	15.0	ND	103	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.77		8.00		110	50-150			

**Matrix Spike Dup (2025002-MSD1)**

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Benzene	4.77	0.0250	5.00	ND	95.3	54.3-133	8.67	20	
Toluene	4.73	0.0250	5.00	ND	94.6	61.4-130	9.30	20	
Ethylbenzene	4.71	0.0250	5.00	ND	94.2	61.4-133	9.18	20	
p,m-Xylene	9.42	0.0500	10.0	ND	94.2	63.3-131	9.19	20	
o-Xylene	4.73	0.0250	5.00	ND	94.7	63.3-131	9.23	20	
Total Xylenes	14.2	0.0250	15.0	ND	94.3	0-200	9.20	200	
Surrogate: 4-Bromochlorobenzene-PID	8.71		8.00		109	50-150			



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Eddie Gayton	<b>Reported:</b> 9/18/2020 12:51:42PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RS

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 (2025002-BLK1)**

Prepared: 06/15/20 Analyzed: 06/15/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.2	50-150			

**LCS (2025002-BS2)**

Prepared: 06/15/20 Analyzed: 06/15/20

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.4	50-150			

**Matrix Spike (2025002-MS2)**

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2	50-150			

**Matrix Spike Dup (2025002-MSD2)**

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130	0.802	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	50-150			



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Eddie Gayton	<b>Reported:</b> 9/18/2020 12:51:42PM
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#### 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 (2025007-BLK1)**

Prepared: 06/15/20 Analyzed: 06/15/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	56.9		50.0		114	50-200			

**LCS (2025007-BS1)**

Prepared: 06/15/20 Analyzed: 06/15/20

Diesel Range Organics (C10-C28)	442	25.0	500		88.4	38-132			
Surrogate: n-Nonane	51.5		50.0		103	50-200			

**Matrix Spike (2025007-MS1)**

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Diesel Range Organics (C10-C28)	7930	500	500	7770	31.0	38-132			M4
Surrogate: n-Nonane	56.4		50.0		113	50-200			

**Matrix Spike Dup (2025007-MSD1)**

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Diesel Range Organics (C10-C28)	8050	500	500	7770	56.3	38-132	1.58	20	M4
Surrogate: n-Nonane	56.6		50.0		113	50-200			



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Eddie Gayton	<b>Reported:</b> 9/18/2020 12:51:42PM
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#### Anions by EPA 300.0/9056A

Analyst: NE

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 (2025010-BLK1)**

Prepared: 06/16/20 Analyzed: 06/16/20

Chloride ND 20.0

**LCS (2025010-BS1)**

Prepared: 06/16/20 Analyzed: 06/16/20

Chloride 253 20.0 250 101 90-110

**Matrix Spike (2025010-MS1)**

Source: P006046-01 Prepared: 06/16/20 Analyzed: 06/16/20

Chloride 1970 40.0 250 1660 124 80-120 M2

**Matrix Spike Dup (2025010-MSD1)**

Source: P006046-01 Prepared: 06/16/20 Analyzed: 06/16/20

Chloride 1770 40.0 250 1660 43.5 80-120 10.8 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	Project Name:	South Boyd Federal Com Battery	
PO Box 1058	Project Number:	19054-0003	<b>Reported:</b>
Hobbs NM, 88240	Project Manager:	Eddie Gayton	09/18/20 12:51

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference

Note (1): Methods marked with \*\* are non-accredited methods.  
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Client: <u>Star Energy</u> Project: <u>South Blvd 13</u> Project Manager: <u>Brady Mowbray</u> Address: _____ City, State, Zip _____ Phone: <u>575 441 0212</u> Email: <u>E.gayton@Hungry-Horse.com</u> Report due by: <u>Hungry Horse LLC</u>		Bill To Attention: <u>Eddie Gayton</u> Address: <u>4024 Plains Hwy</u> City, State, Zip <u>Lauriaton, NM</u> Phone: <u>575 441 0212</u> Email: <u>E.gayton@Hungry-Horse.com</u>		Lab Use Only Lab WO# <u>PC06052</u> Job Number <u>19054-0003</u> Analysis and Method _____		TAT 1D <input checked="" type="checkbox"/> 3D <input type="checkbox"/>		EPA Program RCRA <input type="checkbox"/> CWA <input type="checkbox"/> SDWA <input type="checkbox"/>		
						State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/> OK <input type="checkbox"/>				

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC - NM	BDOC - TX	Remarks
	6/15	S	1	BH-1	1							X		
				BH-2	2							X		
				BH-3	3							X		
				BH-4	4							X		
				BH-5	5							X		

**Additional Instructions:**

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

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>6/15/2020</u>	Time <u>10:51</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>6-15-2020</u>	Time <u>1051</u>	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) <u>[Signature]</u>	Date <u>6-15-2020</u>	Time <u>16:05</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>6-16-20</u>	Time <u>9:30</u>	
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.



## Analytical Report

### Report Summary

Client: Spur

Samples Received: 1/2/2020

Job Number: 19054-0003

Work Order: P001005

Project Name/Location: South Boyd 18

Report Reviewed By:

A handwritten signature in black ink that reads 'Walter Hinchman'.

Date: 1/3/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNi unless footnoted otherwise.  
 Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.  
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 Envirotech, Inc, holds the Utah TNi certification NM009792018-1 for the data reported.  
 Envirotech, Inc, holds the Texas TNi certification T104704557-19-2 for the data reported.



Spur	Project Name:	South Boyd 18	<b>Reported:</b> 01/03/20 11:59
PO box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 12-4'	P001005-01A	Soil	12/30/19	01/02/20	Glass Jar, 4 oz.
SP 13-5'	P001005-02A	Soil	12/30/19	01/02/20	Glass Jar, 4 oz.
SP 14-5'	P001005-03A	Soil	12/30/19	01/02/20	Glass Jar, 4 oz.

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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 Project Number: 19054-0003 Project Manager: Lindsey Salgado	<b>Reported:</b> 01/03/20 11:59
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**SP 12-4'**  
**P001005-01 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organic Compounds by 8260**

Benzene	ND	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Toluene	<b>0.188</b>	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Ethylbenzene	<b>0.678</b>	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
p,m-Xylene	<b>0.915</b>	0.0500	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
o-Xylene	<b>0.459</b>	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Total Xylenes	<b>1.37</b>	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		96.3 %		70-130	2001003	01/02/20	01/02/20	EPA 8260B	
Surrogate: Toluene-d8		102 %		70-130	2001003	01/02/20	01/02/20	EPA 8260B	
Surrogate: Bromofluorobenzene		98.2 %		70-130	2001003	01/02/20	01/02/20	EPA 8260B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	<b>751</b>	25.0	mg/kg	1	2001001	01/02/20	01/02/20	EPA 8015D	
Oil Range Organics (C28-C40)	<b>251</b>	50.0	mg/kg	1	2001001	01/02/20	01/02/20	EPA 8015D	
Surrogate: n-Nonane		111 %		50-200	2001001	01/02/20	01/02/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	<b>24.8</b>	20.0	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		96.3 %		70-130	2001003	01/02/20	01/02/20	EPA 8015D	
Surrogate: Toluene-d8		102 %		70-130	2001003	01/02/20	01/02/20	EPA 8015D	
Surrogate: Bromofluorobenzene		98.2 %		70-130	2001003	01/02/20	01/02/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	<b>1210</b>	20.0	mg/kg	1	2001002	01/02/20	01/02/20	EPA 300.0/9056A	
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 Project Number: 19054-0003 Project Manager: Lindsey Salgado	Reported: 01/03/20 11:59
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**SP 13-5'**  
**P001005-02 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organic Compounds by 8260**

Benzene	ND	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Ethylbenzene	<b>0.0305</b>	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
o-Xylene	<b>0.0265</b>	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Total Xylenes	<b>0.0265</b>	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		97.1 %		70-130	2001003	01/02/20	01/02/20	EPA 8260B	
Surrogate: Toluene-d8		101 %		70-130	2001003	01/02/20	01/02/20	EPA 8260B	
Surrogate: Bromofluorobenzene		98.9 %		70-130	2001003	01/02/20	01/02/20	EPA 8260B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	<b>66.1</b>	25.0	mg/kg	1	2001001	01/02/20	01/02/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2001001	01/02/20	01/02/20	EPA 8015D	
Surrogate: n-Nonane		88.8 %		50-200	2001001	01/02/20	01/02/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		97.1 %		70-130	2001003	01/02/20	01/02/20	EPA 8015D	
Surrogate: Toluene-d8		101 %		70-130	2001003	01/02/20	01/02/20	EPA 8015D	
Surrogate: Bromofluorobenzene		98.9 %		70-130	2001003	01/02/20	01/02/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	<b>450</b>	20.0	mg/kg	1	2001002	01/02/20	01/02/20	EPA 300.0/9056A	
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 Project Number: 19054-0003 Project Manager: Lindsey Salgado	<b>Reported:</b> 01/03/20 11:59
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**SP 14-5'**  
**P001005-03 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organic Compounds by 8260**

Benzene	ND	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Toluene	<b>0.0585</b>	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Ethylbenzene	<b>0.365</b>	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
p,m-Xylene	<b>0.533</b>	0.0500	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
o-Xylene	<b>0.285</b>	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Total Xylenes	<b>0.818</b>	0.0250	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		96.9 %		70-130	2001003	01/02/20	01/02/20	EPA 8260B	
Surrogate: Toluene-d8		99.7 %		70-130	2001003	01/02/20	01/02/20	EPA 8260B	
Surrogate: Bromofluorobenzene		99.1 %		70-130	2001003	01/02/20	01/02/20	EPA 8260B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	<b>336</b>	25.0	mg/kg	1	2001001	01/02/20	01/02/20	EPA 8015D	
Oil Range Organics (C28-C40)	<b>77.4</b>	50.0	mg/kg	1	2001001	01/02/20	01/02/20	EPA 8015D	
Surrogate: n-Nonane		85.8 %		50-200	2001001	01/02/20	01/02/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2001003	01/02/20	01/02/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		96.9 %		70-130	2001003	01/02/20	01/02/20	EPA 8015D	
Surrogate: Toluene-d8		99.7 %		70-130	2001003	01/02/20	01/02/20	EPA 8015D	
Surrogate: Bromofluorobenzene		99.1 %		70-130	2001003	01/02/20	01/02/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	<b>814</b>	20.0	mg/kg	1	2001002	01/02/20	01/02/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18	<b>Reported:</b> 01/03/20 11:59
PO box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

**Volatile Organic Compounds by 8260 - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2001003 - Purge and Trap EPA 5030A**

**Blank (2001003-BLK1)**

Prepared & Analyzed: 01/02/20 1

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 1,2-Dichloroethane-d4	0.492		"	0.500		98.4	70-130			
Surrogate: Toluene-d8	0.508		"	0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.470		"	0.500		93.9	70-130			

**LCS (2001003-BS1)**

Prepared & Analyzed: 01/02/20 1

Benzene	2.40	0.0250	mg/kg	2.50		96.0	70-130			
Toluene	2.47	0.0250	"	2.50		98.8	70-130			
Ethylbenzene	2.56	0.0250	"	2.50		103	70-130			
p,m-Xylene	4.95	0.0500	"	5.00		99.0	70-130			
o-Xylene	2.48	0.0250	"	2.50		99.1	70-130			
Total Xylenes	7.43	0.0250	"	7.50		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		"	0.500		101	70-130			
Surrogate: Toluene-d8	0.514		"	0.500		103	70-130			
Surrogate: Bromofluorobenzene	0.503		"	0.500		101	70-130			

**Matrix Spike (2001003-MS1)**

Source: P001005-01

Prepared: 01/02/20 1 Analyzed: 01/02/20 2

Benzene	2.40	0.0250	mg/kg	2.50	ND	95.8	48-131			
Toluene	2.63	0.0250	"	2.50	0.188	97.6	48-130			
Ethylbenzene	3.47	0.0250	"	2.50	0.678	112	45-135			
p,m-Xylene	6.20	0.0500	"	5.00	0.915	106	43-135			
o-Xylene	3.09	0.0250	"	2.50	0.459	105	43-135			
Total Xylenes	9.30	0.0250	"	7.50	1.37	106	43-135			
Surrogate: 1,2-Dichloroethane-d4	0.500		"	0.500		99.9	70-130			
Surrogate: Toluene-d8	0.502		"	0.500		100	70-130			
Surrogate: Bromofluorobenzene	0.515		"	0.500		103	70-130			

**Matrix Spike Dup (2001003-MSD1)**

Source: P001005-01

Prepared: 01/02/20 1 Analyzed: 01/02/20 2

Benzene	2.40	0.0250	mg/kg	2.50	ND	96.1	48-131	0.333	23	
Toluene	3.10	0.0250	"	2.50	0.188	117	48-130	16.5	24	
Ethylbenzene	5.22	0.0250	"	2.50	0.678	182	45-135	40.2	27	M2, R3
p,m-Xylene	8.58	0.0500	"	5.00	0.915	153	43-135	32.1	27	M2, R3
o-Xylene	4.19	0.0250	"	2.50	0.459	149	43-135	30.0	27	M2, R3
Total Xylenes	12.8	0.0250	"	7.50	1.37	152	43-135	31.4	27	M2, R3
Surrogate: 1,2-Dichloroethane-d4	0.500		"	0.500		100	70-130			
Surrogate: Toluene-d8	0.509		"	0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.515		"	0.500		103	70-130			

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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 Project Number: 19054-0003 Project Manager: Lindsey Salgado	Reported: 01/03/20 11:59
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**Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2001001 - DRO Extraction EPA 3570**

**Blank (2001001-BLK1)**

Prepared: 01/02/20 0 Analyzed: 01/02/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	46.5		"	50.0		93.0	50-200			

**LCS (2001001-BS1)**

Prepared: 01/02/20 0 Analyzed: 01/02/20 1

Diesel Range Organics (C10-C28)	442	25.0	mg/kg	500		88.5	38-132			
Surrogate: n-Nonane	46.5		"	50.0		92.9	50-200			

**Matrix Spike (2001001-MS1)**

Source: P001005-01

Prepared: 01/02/20 0 Analyzed: 01/02/20 1

Diesel Range Organics (C10-C28)	1150	25.0	mg/kg	500	751	79.4	38-132			
Surrogate: n-Nonane	60.3		"	50.0		121	50-200			

**Matrix Spike Dup (2001001-MSD1)**

Source: P001005-01

Prepared: 01/02/20 0 Analyzed: 01/02/20 1

Diesel Range Organics (C10-C28)	1140	25.0	mg/kg	500	751	77.8	38-132	0.668	20	
Surrogate: n-Nonane	57.9		"	50.0		116	50-200			

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Spur	Project Name:	South Boyd 18	<b>Reported:</b> 01/03/20 11:59
PO box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

### Nonhalogenated Organics by 8015 - GRO - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 2001003 - Purge and Trap EPA 5030A

##### Blank (2001003-BLK1)

Prepared & Analyzed: 01/02/20 1

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	0.492		"	0.500		98.4	70-130			
Surrogate: Toluene-d8	0.508		"	0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.470		"	0.500		93.9	70-130			

##### LCS (2001003-BS2)

Prepared & Analyzed: 01/02/20 1

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (C6-C10)	59.3	20.0	mg/kg	50.0		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		"	0.500		97.9	70-130			
Surrogate: Toluene-d8	0.512		"	0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.481		"	0.500		96.1	70-130			

##### Matrix Spike (2001003-MS2)

Source: P001005-01

Prepared: 01/02/20 1 Analyzed: 01/02/20 2

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (C6-C10)	94.3	20.0	mg/kg	50.0	24.8	139	70-130			M2
Surrogate: 1,2-Dichloroethane-d4	0.486		"	0.500		97.2	70-130			
Surrogate: Toluene-d8	0.514		"	0.500		103	70-130			
Surrogate: Bromofluorobenzene	0.511		"	0.500		102	70-130			

##### Matrix Spike Dup (2001003-MSD2)

Source: P001005-01

Prepared: 01/02/20 1 Analyzed: 01/02/20 2

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (C6-C10)	136	20.0	mg/kg	50.0	24.8	223	70-130	36.4	20	M2, R3
Surrogate: 1,2-Dichloroethane-d4	0.505		"	0.500		101	70-130			
Surrogate: Toluene-d8	0.512		"	0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.516		"	0.500		103	70-130			

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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 Project Number: 19054-0003 Project Manager: Lindsey Salgado	<b>Reported:</b> 01/03/20 11:59
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**Anions by 300.0/9056A - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2001002 - Anion Extraction EPA 300.0/9056A**

**Blank (2001002-BLK1)**

Prepared & Analyzed: 01/02/20 1

Chloride	ND	20.0	mg/kg							
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**LCS (2001002-BS1)**

Prepared: 01/02/20 1 Analyzed: 01/02/20 2

Chloride	254	20.0	mg/kg	250	1210	102	90-110			
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**Matrix Spike (2001002-MS1)**

Source: P001005-01

Prepared: 01/02/20 1 Analyzed: 01/02/20 2

Chloride	1560	20.0	mg/kg	250	1210	140	80-120			M2
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**Matrix Spike Dup (2001002-MSD1)**

Source: P001005-01

Prepared: 01/02/20 1 Analyzed: 01/02/20 2

Chloride	1500	20.0	mg/kg	250	1210	115	80-120	4.22	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.

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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	<b>Reported:</b>
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	01/03/20 11:59

**Notes and Definitions**

- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
  - M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
  - ND Analyte NOT DETECTED at or above the reporting limit
  - NR Not Reported
  - RPD Relative Percent Difference
  - \*\* Methods marked with \*\* are non-accredited methods.
- Soil data is reported on an "as received" weight basis, unless reported otherwise.

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Client: SPUR  
 Project: Southbound 18  
 Project Manager: Lindsay Salgado  
 Address: 110 Box 1058  
 City, State, Zip: Abbeville NM  
 Phone:  
 Email: LSalgado@Shungny-horse.com

**Report Attention**  
 Report due by: 2-DAY  
 Attention: Natasha Gladden  
 Address:  
 City, State, Zip  
 Phone:  
 Email: N@gladden@shungny-horse.ce

**Lab Use Only**  
 Lab WO# P 91001005 Job Number 19054-0003  
 Analysis and Method  
 State

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005	BGDOC - NM	BGDOC - TX	Remarks
10:15	12/30/19	S	1	sp 12-4'	1	X	0	0	0	0				
1:09	12/30/19	S	1	sp 13-5'	2	X	0	0	0	0				
2:40	12/30/19	S	1	sp 14-5'	3	0	0	0	0	0				

Additional Instructions:

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

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

Relinquished by: (Signature) <u>Natasha Gladden</u>	Date <u>12/31/19</u>	Time <u>10:00</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>12-31-19</u>	Time <u>1000</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>12-31-19</u>	Time	Received by: (Signature) <u>Raina Lopez</u>	Date <u>1/2/20</u>	Time <u>9:30</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.



5796 US Highway 64, Farmington, NM 87401  
 24 Hour Emergency Response Phone (800) 362-1879

Ph (505) 632-1881 Fx (505) 632-1855

envirotech-inc.com  
 labadmin@envirotech-inc.com





Spur	Project Name:	South Boyd 18 BTY	<b>Reported:</b> 01/03/20 11:56
PO box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1-2'	P912081-01A	Soil	12/23/19	12/31/19	Glass Jar, 4 oz.
SP2-2'	P912081-02A	Soil	12/23/19	12/31/19	Glass Jar, 4 oz.
SP3-4'	P912081-03A	Soil	12/23/19	12/31/19	Glass Jar, 4 oz.
SP4-4'	P912081-04A	Soil	12/23/19	12/31/19	Glass Jar, 4 oz.
SP5-4'	P912081-05A	Soil	12/23/19	12/31/19	Glass Jar, 4 oz.
SP7-8'	P912081-06A	Soil	12/23/19	12/31/19	Glass Jar, 4 oz.
SP8-4'	P912081-07A	Soil	12/26/19	12/31/19	Glass Jar, 4 oz.
SP9-4'	P912081-08A	Soil	12/26/19	12/31/19	Glass Jar, 4 oz.
SP10-4'	P912081-09A	Soil	12/26/19	12/31/19	Glass Jar, 4 oz.
SP11-4'	P912081-10A	Soil	12/26/19	12/31/19	Glass Jar, 4 oz.
SP6-6'	P912081-11A	Soil	12/23/19	12/31/19	Glass Jar, 4 oz.

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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 BTY Project Number: 19054-0003 Project Manager: Natalie Gladden	Reported: 01/03/20 11:56
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**SP1-2'****P912081-01 (Solid)**

Analyte	Result	Reporting							
		Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organic Compounds by 8260**

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
Surrogate: 1,2-Dichloroethane-d4		97.0 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B
Surrogate: Toluene-d8		101 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B
Surrogate: Bromofluorobenzene		96.0 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D
Surrogate: n-Nonane		94.2 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D
Surrogate: 1,2-Dichloroethane-d4		97.0 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D
Surrogate: Toluene-d8		101 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D
Surrogate: Bromofluorobenzene		96.0 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 BTY Project Number: 19054-0003 Project Manager: Natalie Gladden	Reported: 01/03/20 11:56
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**SP2-2'****P912081-02 (Solid)**

Analyte	Result	Reporting							
		Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organic Compounds by 8260**

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
Surrogate: 1,2-Dichloroethane-d4		99.3 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B
Surrogate: Toluene-d8		101 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B
Surrogate: Bromofluorobenzene		96.6 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D
Surrogate: n-Nonane		93.8 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D
Surrogate: 1,2-Dichloroethane-d4		99.3 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D
Surrogate: Toluene-d8		101 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D
Surrogate: Bromofluorobenzene		96.6 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D

**Anions by 300.0/9056A**

Chloride	63.3	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 BTY Project Number: 19054-0003 Project Manager: Natalie Gladden	Reported: 01/03/20 11:56
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**SP3-4'  
P912081-03 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organic Compounds by 8260**

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		96.9 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Toluene-d8		102 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Bromofluorobenzene		94.9 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Surrogate: n-Nonane		92.5 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		96.9 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Toluene-d8		102 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Bromofluorobenzene		94.9 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	54.9	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A	
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 BTY Project Number: 19054-0003 Project Manager: Natalie Gladden	Reported: 01/03/20 11:56
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**SP4-4'**  
**P912081-04 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organic Compounds by 8260**

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		98.8 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Toluene-d8		100 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Bromofluorobenzene		95.8 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Surrogate: n-Nonane		95.9 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		98.8 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Toluene-d8		100 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Bromofluorobenzene		95.8 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	368	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A	
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 BTY Project Number: 19054-0003 Project Manager: Natalie Gladden	Reported: 01/03/20 11:56
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**SP5-4'**  
**P912081-05 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organic Compounds by 8260**

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		93.3 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Toluene-d8		99.3 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Bromofluorobenzene		94.3 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	41.6	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Surrogate: n-Nonane		93.2 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		93.3 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Toluene-d8		99.3 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Bromofluorobenzene		94.3 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	101	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A	
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 BTY Project Number: 19054-0003 Project Manager: Natalie Gladden	<b>Reported:</b> 01/03/20 11:56
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**SP7-8'**

**P912081-06 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organic Compounds by 8260**

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		98.2 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Toluene-d8		103 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Bromofluorobenzene		97.8 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	50.3	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Surrogate: n-Nonane		92.2 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		98.2 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Toluene-d8		103 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Bromofluorobenzene		97.8 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	306	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A	
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 BTY Project Number: 19054-0003 Project Manager: Natalie Gladden	Reported: 01/03/20 11:56
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**SP8-4'  
P912081-07 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organic Compounds by 8260**

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		99.7 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Toluene-d8		102 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Bromofluorobenzene		96.0 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Surrogate: n-Nonane		94.7 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		99.7 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Toluene-d8		102 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Bromofluorobenzene		96.0 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	<b>201</b>	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A	
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 BTY Project Number: 19054-0003 Project Manager: Natalie Gladden	Reported: 01/03/20 11:56
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**SP9-4'**  
**P912081-08 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organic Compounds by 8260**

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		98.2 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Toluene-d8		99.7 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	
Surrogate: Bromofluorobenzene		93.7 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D	
Surrogate: n-Nonane		95.6 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		98.2 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Toluene-d8		99.7 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	
Surrogate: Bromofluorobenzene		93.7 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A	
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 BTY Project Number: 19054-0003 Project Manager: Natalie Gladden	Reported: 01/03/20 11:56
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**SP10-4'**  
**P912081-09 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organic Compounds by 8260**

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
Surrogate: 1,2-Dichloroethane-d4		97.2 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B
Surrogate: Toluene-d8		100 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B
Surrogate: Bromofluorobenzene		92.7 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D
Surrogate: n-Nonane		93.5 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D
Surrogate: 1,2-Dichloroethane-d4		97.2 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D
Surrogate: Toluene-d8		100 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D
Surrogate: Bromofluorobenzene		92.7 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D

**Anions by 300.0/9056A**

Chloride	404	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 BTY Project Number: 19054-0003 Project Manager: Natalie Gladden	Reported: 01/03/20 11:56
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**SP11-4'**  
**P912081-10 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organic Compounds by 8260**

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
Surrogate: 1,2-Dichloroethane-d4		97.6 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B
Surrogate: Toluene-d8		101 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B
Surrogate: Bromofluorobenzene		97.9 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D
Surrogate: n-Nonane		92.1 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D
Surrogate: 1,2-Dichloroethane-d4		97.6 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D
Surrogate: Toluene-d8		101 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D
Surrogate: Bromofluorobenzene		97.9 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D

**Anions by 300.0/9056A**

Chloride	76.0	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 BTY Project Number: 19054-0003 Project Manager: Natalie Gladden	Reported: 01/03/20 11:56
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**SP6-6'**  
**P912081-11 (Solid)**

Analyte	Result	Reporting							
		Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organic Compounds by 8260**

Benzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
Toluene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
Ethylbenzene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
p,m-Xylene	ND	0.0500	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
o-Xylene	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
Total Xylenes	ND	0.0250	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8260B
Surrogate: 1,2-Dichloroethane-d4		100 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B
Surrogate: Toluene-d8		99.6 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B
Surrogate: Bromofluorobenzene		96.0 %		70-130	1953010	12/31/19	12/31/19	EPA 8260B

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	28.0	25.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953012	12/31/19	12/31/19	EPA 8015D
Surrogate: n-Nonane		96.1 %		50-200	1953012	12/31/19	12/31/19	EPA 8015D

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953010	12/31/19	12/31/19	EPA 8015D
Surrogate: 1,2-Dichloroethane-d4		100 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D
Surrogate: Toluene-d8		99.6 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D
Surrogate: Bromofluorobenzene		96.0 %		70-130	1953010	12/31/19	12/31/19	EPA 8015D

**Anions by 300.0/9056A**

Chloride	533	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A
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Spur	Project Name:	South Boyd 18 BTY	<b>Reported:</b> 01/03/20 11:56
PO box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	

### Volatile Organic Compounds by 8260 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 1953010 - Purge and Trap EPA 5030A

##### Blank (1953010-BLK1)

Prepared & Analyzed: 12/31/19 1

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.469		"	0.500		93.7	70-130			
<i>Surrogate: Toluene-d8</i>	0.511		"	0.500		102	70-130			
<i>Surrogate: Bromofluorobenzene</i>	0.483		"	0.500		96.5	70-130			

##### LCS (1953010-BS1)

Prepared & Analyzed: 12/31/19 1

Benzene	2.23	0.0250	mg/kg	2.50		89.2	70-130			
Toluene	2.23	0.0250	"	2.50		89.1	70-130			
Ethylbenzene	2.33	0.0250	"	2.50		93.3	70-130			
p,m-Xylene	4.51	0.0500	"	5.00		90.1	70-130			
o-Xylene	2.23	0.0250	"	2.50		89.2	70-130			
Total Xylenes	6.74	0.0250	"	7.50		89.8	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.490		"	0.500		98.0	70-130			
<i>Surrogate: Toluene-d8</i>	0.499		"	0.500		99.8	70-130			
<i>Surrogate: Bromofluorobenzene</i>	0.500		"	0.500		99.9	70-130			

##### Matrix Spike (1953010-MS1)

Source: P912081-01

Prepared & Analyzed: 12/31/19 1

Benzene	2.17	0.0250	mg/kg	2.50	ND	86.6	48-131			
Toluene	2.17	0.0250	"	2.50	ND	86.7	48-130			
Ethylbenzene	2.27	0.0250	"	2.50	ND	90.7	45-135			
p,m-Xylene	4.38	0.0500	"	5.00	ND	87.5	43-135			
o-Xylene	2.18	0.0250	"	2.50	ND	87.2	43-135			
Total Xylenes	6.56	0.0250	"	7.50	ND	87.4	43-135			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.487		"	0.500		97.4	70-130			
<i>Surrogate: Toluene-d8</i>	0.504		"	0.500		101	70-130			
<i>Surrogate: Bromofluorobenzene</i>	0.500		"	0.500		99.9	70-130			

##### Matrix Spike Dup (1953010-MSD1)

Source: P912081-01

Prepared & Analyzed: 12/31/19 1

Benzene	2.37	0.0250	mg/kg	2.50	ND	94.7	48-131	8.87	23	
Toluene	2.37	0.0250	"	2.50	ND	94.7	48-130	8.82	24	
Ethylbenzene	2.49	0.0250	"	2.50	ND	99.8	45-135	9.56	27	
p,m-Xylene	4.79	0.0500	"	5.00	ND	95.7	43-135	8.93	27	
o-Xylene	2.38	0.0250	"	2.50	ND	95.4	43-135	8.98	27	
Total Xylenes	7.17	0.0250	"	7.50	ND	95.6	43-135	8.95	27	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.500		"	0.500		99.9	70-130			
<i>Surrogate: Toluene-d8</i>	0.504		"	0.500		101	70-130			
<i>Surrogate: Bromofluorobenzene</i>	0.500		"	0.500		100	70-130			

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Spur	Project Name:	South Boyd 18 BTY	<b>Reported:</b> 01/03/20 11:56
PO box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	

**Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1953012 - DRO Extraction EPA 3570**

**Blank (1953012-BLK1)**

Prepared & Analyzed: 12/31/19 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	48.7		"	50.0		97.3	50-200			

**LCS (1953012-BS1)**

Prepared & Analyzed: 12/31/19 1

Diesel Range Organics (C10-C28)	470	25.0	mg/kg	500		94.0	38-132			
Surrogate: n-Nonane	47.8		"	50.0		95.6	50-200			

**Matrix Spike (1953012-MS1)**

Source: P912081-01

Prepared & Analyzed: 12/31/19 1

Diesel Range Organics (C10-C28)	484	25.0	mg/kg	500	ND	96.8	38-132			
Surrogate: n-Nonane	48.5		"	50.0		97.0	50-200			

**Matrix Spike Dup (1953012-MSD1)**

Source: P912081-01

Prepared & Analyzed: 12/31/19 1

Diesel Range Organics (C10-C28)	490	25.0	mg/kg	500	ND	98.0	38-132	1.18	20	
Surrogate: n-Nonane	49.4		"	50.0		98.7	50-200			

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Spur	Project Name:	South Boyd 18 BTY	<b>Reported:</b> 01/03/20 11:56
PO box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	

### Nonhalogenated Organics by 8015 - GRO - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 1953010 - Purge and Trap EPA 5030A

##### Blank (1953010-BLK1)

Prepared & Analyzed: 12/31/19 1

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	0.469		"	0.500		93.7	70-130			
Surrogate: Toluene-d8	0.511		"	0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.483		"	0.500		96.5	70-130			

##### LCS (1953010-BS2)

Prepared & Analyzed: 12/31/19 1

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (C6-C10)	55.5	20.0	mg/kg	50.0	ND	111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		"	0.500		99.8	70-130			
Surrogate: Toluene-d8	0.514		"	0.500		103	70-130			
Surrogate: Bromofluorobenzene	0.485		"	0.500		97.0	70-130			

##### Matrix Spike (1953010-MS2)

Source: P912081-01

Prepared & Analyzed: 12/31/19 1

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (C6-C10)	60.9	20.0	mg/kg	50.0	ND	122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		"	0.500		96.8	70-130			
Surrogate: Toluene-d8	0.505		"	0.500		101	70-130			
Surrogate: Bromofluorobenzene	0.500		"	0.500		99.9	70-130			

##### Matrix Spike Dup (1953010-MSD2)

Source: P912081-01

Prepared & Analyzed: 12/31/19 1

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (C6-C10)	51.8	20.0	mg/kg	50.0	ND	104	70-130	16.2	20	
Surrogate: 1,2-Dichloroethane-d4	0.498		"	0.500		99.5	70-130			
Surrogate: Toluene-d8	0.507		"	0.500		101	70-130			
Surrogate: Bromofluorobenzene	0.491		"	0.500		98.1	70-130			

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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 BTY Project Number: 19054-0003 Project Manager: Natalie Gladden	<b>Reported:</b> 01/03/20 11:56
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**Anions by 300.0/9056A - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1953014 - Anion Extraction EPA 300.0/9056A**

**Blank (1953014-BLK1)**

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Chloride	ND	20.0	mg/kg							
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**LCS (1953014-BS1)**

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Chloride	251	20.0	mg/kg	250		100	90-110			
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**Matrix Spike (1953014-MS1)**

Source: P912078-01

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Chloride	338	20.0	mg/kg	250	57.5	112	80-120			
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**Matrix Spike Dup (1953014-MSD1)**

Source: P912078-01

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Chloride	341	20.0	mg/kg	250	57.5	114	80-120	1.06	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.

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Spur	Project Name:	South Boyd 18 BTY	
PO box 1058	Project Number:	19054-0003	<b>Reported:</b>
Hobbs NM, 88240	Project Manager:	Natalie Gladden	01/03/20 11:56

**Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

\*\* Methods marked with \*\* are non-accredited methods.

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

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Released to Imaging: 7/21/2021 10:46:59 AM

Client: <u>Spur</u>		<b>Report Attention</b>		Lab Use Only		TAT		EPA Program									
Project: <u>South Blvd 18 Bty</u>		Report due by: <u>3-DAY</u>		Lab WO# <u>P912001</u>		Job Number <u>19054-0003</u>		1D	3D	RCRA	CWA	SDV					
Project Manager: <u>Natalie Gladden</u>		Attention: <u>Natalie Gladden</u>		Address: <u>P.O. Box 1058</u>				<input checked="" type="checkbox"/>									
Address: <u>Natalie Gladden</u>		Address: <u>P.O. Box 1058</u>		City, State, Zip <u>Hobbs, NM 88200</u>		Analysis and Method		State									
City, State, Zip		City, State, Zip <u>Hobbs, NM 88200</u>		Phone:		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005	BGDOC - NM	BGDOC - TX	NM	CO	UT	A
Email:		Email: <u>ngladden@hurry-hose.com</u>															

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005	BGDOC - NM	BGDOC - TX	Remarks
8:07	12/23	S	1	SP1-2'	1									
9:31	12/23			SP2-2'	2									
11:15	12/23			SP3-4'	3									
12:20	12/23			SP4-4'	4									
2:00	12/23			SP5-4'	5									
12:30	12/23			SP7-8'	6									
1:30	12/24			SP8-4'	7									
3:40	12/24			SP9-4'	8									
4:14	12/24			SP10-4'	9									
4:31	12/24			SP11-4'	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: \_\_\_\_\_

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>Natalie Gladden</u>	Date <u>12/30/19</u>	Time <u>11:45</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>12-30-19</u>	Time <u>1145</u>	Lab Use Only	
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>12-30-19</u>	Time <u>1505</u>	Received by: (Signature) <u>Raina Lopez</u>	Date <u>12/31/19</u>	Time <u>9:30</u>	Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	
						T1 _____	T2 _____
						AVG Temp °C <u>4</u>	T3 _____
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.

Retrieved from O.D. - 5/7/2021 4:41:59 AM  
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Client: <u>Spr</u>	<b>Report Attention</b> Report due by: <u>3-DAY</u> Attention: <u>Natalie Gladden</u> Address: <u>PO Box 1058</u> City, State, Zip: <u>Hebbes, NM 88240</u> Phone: _____ Email: _____	Lab Use Only		TAT		EPA Program							
Project: <u>South Blvd 18 Bld</u>		Lab WO# <u>P912081</u>	Job Number <u>19054-0003</u>		1D	3D	RCRA	CWA	SDV				
Project Manager: <u>Natalie Gladden</u>		Analysis and Method							State				
Address: _____		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005	BGDOC - NM	BGDOC - TX	NM	CO	UT	AZ
City, State, Zip _____		Remarks											
Phone: _____													
Email: _____													

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005	BGDOC - NM	BGDOC - TX	Remarks
3:17	12/3	S	1	SPU - 6'	11							X		

**Additional Instructions:**

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

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

Relinquished by: (Signature) <u>Natalie Gladden</u>	Date <u>12/30/19</u>	Time <u>11:40</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>12-30-19</u>	Time <u>1140</u>	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>12-30-19</u>	Time <u>1505</u>	Received by: (Signature) <u>Raina Lopez</u>	Date <u>12/31/19</u>	Time <u>9:30</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.



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Spur	Project Name:	South Boyd 18	<b>Reported:</b> 01/03/20 12:05
PO box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Fabian Franco	

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1	P912082-01A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW2	P912082-02A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW3	P912082-03A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW4	P912082-04A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW5	P912082-05A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW6	P912082-06A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW7	P912082-07A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW8	P912082-08A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW9	P912082-09A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW10	P912082-10A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW11	P912082-11A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.
SW12	P912082-12A	Soil	12/27/19	12/31/19	Glass Jar, 4 oz.

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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 Project Number: 19054-0003 Project Manager: Fabian Franco	<b>Reported:</b> 01/03/20 12:05
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**SW1****P912082-01 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %		50-150	1953011	12/31/19	01/02/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		85.2 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.3 %		50-150	1953011	12/31/19	01/02/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2001002	01/02/20	01/02/20	EPA 300.0/9056A	
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 Project Number: 19054-0003 Project Manager: Fabian Franco	<b>Reported:</b> 01/03/20 12:05
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**SW2  
P912082-02 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		<i>102 %</i>		<i>50-150</i>	<i>1953011</i>	<i>12/31/19</i>	<i>01/02/20</i>	<i>EPA 8021B</i>	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>86.4 %</i>		<i>50-200</i>	<i>1953013</i>	<i>12/31/19</i>	<i>12/31/19</i>	<i>EPA 8015D</i>	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		<i>81.3 %</i>		<i>50-150</i>	<i>1953011</i>	<i>12/31/19</i>	<i>01/02/20</i>	<i>EPA 8015D</i>	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2001002	01/02/20	01/02/20	EPA 300.0/9056A	
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 Project Number: 19054-0003 Project Manager: Fabian Franco	<b>Reported:</b> 01/03/20 12:05
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**SW3**

**P912082-03 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %		50-150	1953011	12/31/19	01/02/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		87.9 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.6 %		50-150	1953011	12/31/19	01/02/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2001002	01/02/20	01/02/20	EPA 300.0/9056A	
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 Project Number: 19054-0003 Project Manager: Fabian Franco	<b>Reported:</b> 01/03/20 12:05
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**SW4**

**P912082-04 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %		50-150	1953011	12/31/19	01/02/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		88.9 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.0 %		50-150	1953011	12/31/19	01/02/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2001002	01/02/20	01/03/20	EPA 300.0/9056A	
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 Project Number: 19054-0003 Project Manager: Fabian Franco	<b>Reported:</b> 01/03/20 12:05
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**SW5**

**P912082-05 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %		50-150	1953011	12/31/19	01/02/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		89.3 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.0 %		50-150	1953011	12/31/19	01/02/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	137	20.0	mg/kg	1	2001002	01/02/20	01/03/20	EPA 300.0/9056A	
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 Project Number: 19054-0003 Project Manager: Fabian Franco	<b>Reported:</b> 01/03/20 12:05
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**SW6**

**P912082-06 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %		50-150	1953011	12/31/19	01/02/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		88.5 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.6 %		50-150	1953011	12/31/19	01/02/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2001002	01/02/20	01/03/20	EPA 300.0/9056A	
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 Project Number: 19054-0003 Project Manager: Fabian Franco	Reported: 01/03/20 12:05
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## SW7

## P912082-07 (Solid)

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %		50-150	1953011	12/31/19	01/02/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		86.6 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.5 %		50-150	1953011	12/31/19	01/02/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	325	20.0	mg/kg	1	2001002	01/02/20	01/03/20	EPA 300.0/9056A	
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 Project Number: 19054-0003 Project Manager: Fabian Franco	<b>Reported:</b> 01/03/20 12:05
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**SW8****P912082-08 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %		50-150	1953011	12/31/19	01/02/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		88.5 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/02/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.4 %		50-150	1953011	12/31/19	01/02/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	<b>290</b>	20.0	mg/kg	1	2001002	01/02/20	01/03/20	EPA 300.0/9056A	
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**SW9****P912082-09 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %		50-150	1953011	12/31/19	01/03/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		89.9 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.8 %		50-150	1953011	12/31/19	01/03/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	30.2	20.0	mg/kg	1	2001002	01/02/20	01/03/20	EPA 300.0/9056A	
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 Project Number: 19054-0003 Project Manager: Fabian Franco	<b>Reported:</b> 01/03/20 12:05
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**SW10  
P912082-10 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %		50-150	1953011	12/31/19	01/03/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		90.4 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.5 %		50-150	1953011	12/31/19	01/03/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	<b>59.0</b>	20.0	mg/kg	1	2001002	01/02/20	01/03/20	EPA 300.0/9056A	
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 Project Number: 19054-0003 Project Manager: Fabian Franco	<b>Reported:</b> 01/03/20 12:05
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**SW11**

**P912082-11 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Toluene	<b>0.0250</b>	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
o-Xylene	<b>0.0303</b>	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Total Xylenes	<b>0.0303</b>	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %		50-150	1953011	12/31/19	01/03/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	<b>57.0</b>	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		88.7 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.5 %		50-150	1953011	12/31/19	01/03/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	<b>21.0</b>	20.0	mg/kg	1	2001002	01/02/20	01/03/20	EPA 300.0/9056A	
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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 Project Number: 19054-0003 Project Manager: Fabian Franco	<b>Reported:</b> 01/03/20 12:05
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**SW12**  
**P912082-12 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %		50-150	1953011	12/31/19	01/03/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953013	12/31/19	12/31/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		85.9 %		50-200	1953013	12/31/19	12/31/19	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953011	12/31/19	01/03/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.2 %		50-150	1953011	12/31/19	01/03/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2001002	01/02/20	01/03/20	EPA 300.0/9056A	
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Spur	Project Name:	South Boyd 18	<b>Reported:</b> 01/03/20 12:05
PO box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Fabian Franco	

### Volatile Organics by EPA 8021 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 1953011 - Purge and Trap EPA 5030A

##### Blank (1953011-BLK1)

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	7.89		"	8.00		98.7	50-150			

##### LCS (1953011-BS1)

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Benzene	4.59	0.0250	mg/kg	5.00		91.9	70-130			
Toluene	4.76	0.0250	"	5.00		95.3	70-130			
Ethylbenzene	4.71	0.0250	"	5.00		94.3	70-130			
p,m-Xylene	9.37	0.0500	"	10.0		93.7	70-130			
o-Xylene	4.68	0.0250	"	5.00		93.5	70-130			
Total Xylenes	14.1	0.0250	"	15.0		93.7	70-130			
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.13		"	8.00		102	50-150			

##### Matrix Spike (1953011-MS1)

Source: P912082-01

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Benzene	4.89	0.0250	mg/kg	5.00	ND	97.8	54.3-133			
Toluene	5.01	0.0250	"	5.00	ND	100	61.4-130			
Ethylbenzene	4.98	0.0250	"	5.00	ND	99.6	61.4-133			
p,m-Xylene	9.90	0.0500	"	10.0	ND	99.0	63.3-131			
o-Xylene	4.94	0.0250	"	5.00	ND	98.8	63.3-131			
Total Xylenes	14.8	0.0250	"	15.0	ND	98.9	63.3-131			
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.20		"	8.00		103	50-150			

##### Matrix Spike Dup (1953011-MSD1)

Source: P912082-01

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Benzene	4.63	0.0250	mg/kg	5.00	ND	92.6	54.3-133	5.38	20	
Toluene	4.79	0.0250	"	5.00	ND	95.9	61.4-130	4.39	20	
Ethylbenzene	4.73	0.0250	"	5.00	ND	94.6	61.4-133	5.09	20	
p,m-Xylene	9.39	0.0500	"	10.0	ND	93.9	63.3-131	5.24	20	
o-Xylene	4.69	0.0250	"	5.00	ND	93.8	63.3-131	5.18	20	
Total Xylenes	14.1	0.0250	"	15.0	ND	93.9	63.3-131	5.22	20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.18		"	8.00		102	50-150			

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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 Project Number: 19054-0003 Project Manager: Fabian Franco	<b>Reported:</b> 01/03/20 12:05
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**Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1953013 - DRO Extraction EPA 3570**

**Blank (1953013-BLK1)**

Prepared & Analyzed: 12/31/19 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	42.5		"	50.0		85.0	50-200			

**LCS (1953013-BS1)**

Prepared & Analyzed: 12/31/19 1

Diesel Range Organics (C10-C28)	451	25.0	mg/kg	500		90.1	38-132			
Surrogate: n-Nonane	43.6		"	50.0		87.2	50-200			

**Matrix Spike (1953013-MS1)**

Source: P912082-01

Prepared & Analyzed: 12/31/19 1

Diesel Range Organics (C10-C28)	493	25.0	mg/kg	500	ND	98.6	38-132			
Surrogate: n-Nonane	46.2		"	50.0		92.3	50-200			

**Matrix Spike Dup (1953013-MSD1)**

Source: P912082-01

Prepared & Analyzed: 12/31/19 1

Diesel Range Organics (C10-C28)	557	25.0	mg/kg	500	ND	111	38-132	12.2	20	
Surrogate: n-Nonane	52.8		"	50.0		106	50-200			

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Spur	Project Name:	South Boyd 18	<b>Reported:</b> 01/03/20 12:05
PO box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Fabian Franco	

**Nonhalogenated Organics by 8015 - GRO - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 1953011 - Purge and Trap EPA 5030A**

**Blank (1953011-BLK1)**

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.55		"	8.00		81.9	50-150			

**LCS (1953011-BS2)**

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Gasoline Range Organics (C6-C10)	47.3	20.0	mg/kg	50.0		94.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.57		"	8.00		82.1	50-150			

**Matrix Spike (1953011-MS2)**

Source: P912082-01

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Gasoline Range Organics (C6-C10)	45.6	20.0	mg/kg	50.0	ND	91.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.65		"	8.00		83.2	50-150			

**Matrix Spike Dup (1953011-MSD2)**

Source: P912082-01

Prepared: 12/31/19 1 Analyzed: 01/02/20 2

Gasoline Range Organics (C6-C10)	45.1	20.0	mg/kg	50.0	ND	90.1	70-130	1.23	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.70		"	8.00		83.8	50-150			

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Spur PO box 1058 Hobbs NM, 88240	Project Name: South Boyd 18 Project Number: 19054-0003 Project Manager: Fabian Franco	<b>Reported:</b> 01/03/20 12:05
--	---	------------------------------------

**Anions by 300.0/9056A - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2001002 - Anion Extraction EPA 300.0/9056A**

**Blank (2001002-BLK1)**

Prepared & Analyzed: 01/02/20 1

Chloride	ND	20.0	mg/kg							
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**LCS (2001002-BS1)**

Prepared: 01/02/20 1 Analyzed: 01/02/20 2

Chloride	254	20.0	mg/kg	250	1210	102	90-110			
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**Matrix Spike (2001002-MS1)**

Source: P001005-01

Prepared: 01/02/20 1 Analyzed: 01/02/20 2

Chloride	1560	20.0	mg/kg	250	1210	140	80-120			M2
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**Matrix Spike Dup (2001002-MSD1)**

Source: P001005-01

Prepared: 01/02/20 1 Analyzed: 01/02/20 2

Chloride	1500	20.0	mg/kg	250	1210	115	80-120	4.22	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.

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Spur	Project Name:	South Boyd 18	
PO box 1058	Project Number:	19054-0003	<b>Reported:</b>
Hobbs NM, 88240	Project Manager:	Fabian Franco	01/03/20 12:05

**Notes and Definitions**

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

\*\* Methods marked with \*\* are non-accredited methods.

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

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Released to Imaging: 7/21/2021 10:46:59 AM

Received by OED 5/7/2021 4:41:59 AM  
12 fo 02 aocd

Client: SPUR  
 Project: South Blvd 18  
 Project Manager: Fabian Franco  
 Address: PO BOX 1058  
 City, State, Zip: Hobbs NM  
 Phone: \_\_\_\_\_  
 Email: F.Franco@huni-horse.com

**Report Attention**  
 Report due by: \_\_\_\_\_  
 Attention: Natalie Golden  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: N.Golden@huni-hors

**Lab Use Only**  
 Lab WO# P 42082 Job Number 19054-0003  
 TAT 1D  3D   
 EPA Program RCRA  CWA  SDV

**Analysis and Method**  
 DRO/ORO by 8015  GRO/DRO by 8015  BTEX by 8021  VOC by 8260  Chloride 300.0  TCEQ 1005  BGDOC - NM  BGDOC - TX   
 State NM  CO  UT  AZ

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005	BGDOC - NM	BGDOC - TX	Remarks
8:58	12/27	soil	1	SW 1 -	1									
9:30				SW-2 -	2									
9:43				SW 3 -	3									
10:06				SW4 -	4									
10:19				SW5	5									
10:33				SW6	6									
10:59				SW7	7									
11:23				SW8	8									
11:52				SW9	9									
1:40				SW10	10									

Additional Instructions: soil

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

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

Relinquished by: (Signature) <u>Natalie Golden</u>	Date <u>12/30/19</u>	Time <u>11:45</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>12-30-19</u>	Time <u>1145</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>12-30-19</u>	Time <u>1505</u>	Received by: (Signature) <u>Rosita Lopez</u>	Date <u>12/31/19</u>	Time <u>9:30</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.



5796 US Highway 64, Farmington, NM 87401  
 24 Hour Emergency Response Phone (800) 362-1879

Ph (505) 632-1881 Fx (505) 632-1865

envirotech-inc.com  
 labadmin@envirotech-inc.com

Page 127 of 188

Client: <u>SPur</u>		Report Attention		Lab Use Only			TAT		EPA Program						
Project: <u>South Boyd</u>		Report due by:		Lab WO#		Job Number		1D	3D	RCRA	CWA	SDV			
Project Manager: <u>Fabian Franco</u>		Attention: <u>Natalie Gladden</u>		<u>P912082</u>		<u>19054-0003</u>			<input checked="" type="checkbox"/>						
Address:		Address:		Analysis and Method								State			
City, State, Zip		City, State, Zip		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005	BGDOC - NM	BGDOC - TX	NM	CO	UT	AZ
Phone:		Phone:		Remarks											
Email:		Email: <u>natalie</u>													

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005	BGDOC - NM	BGDOC - TX	Remarks
<u>2:15</u>	<u>12/27</u>	<u>soil</u>	<u>1</u>	<u>SW11</u>	<u>11</u>									
<u>2:25</u>	<u>12/27</u>	<u>soil</u>	<u>1</u>	<u>SW12</u>	<u>12</u>									

**Additional Instructions:**

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

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

Relinquished by: (Signature) <u>Natalie Gladden</u>	Date <u>12/30/19</u>	Time <u>11:45</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>12-30-19</u>	Time <u>1145</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>12-30-19</u>	Time <u>1505</u>	Received by: (Signature) <u>Raimon Lopez</u>	Date <u>12/31/19</u>	Time <u>9:30</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.

Report to:

Eddie Gayton

PO Box 1058

Hobbs, NM 88240



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## Analytical Report

### Spur

Project Name: South Boyd Federal Com Battery

Work Order: P006052

Job Number: 19054-0003

Received: 6/16/2020

Revision: 2

Report Reviewed By:

*Walter Hinchman*

Walter Hinchman

Laboratory Director

9/18/20

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.  
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Envirotech Inc, holds the Utah TNI certification NM009792018-1 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported.

Report to:

Brady Moulder

PO Box 1058

Hobbs, NM 88240



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## Analytical Report

### Spur

Project Name: South Boyd Federal Com Battery

Work Order: P006044

Job Number: 19054-0003

Received: 6/12/2020

Revision: 2

Report Reviewed By:

*Walter Hinchman*

Walter Hinchman

Laboratory Director

9/18/20

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.  
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Envirotech Inc, holds the Utah TNI certification NM009792018-1 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 9/18/20

Brady Moulder  
PO Box 1058  
Hobbs, NM 88240



Project Name: South Boyd Federal Com Battery  
Workorder: P006044  
Date Received: 6/12/2020 9:45:00AM

Brady Moulder,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/12/2020 9:45:00AM, under the Project Name: South Boyd Federal Com Battery.

The analytical test results summarized in this report with the Project Name: South Boyd Federal Com Battery 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](mailto:whinchman@envirotech-inc.com)

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Office: 505-632-1881  
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**Alexa Michaels**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Spur	Project Name:	South Boyd Federal Com Battery	<b>Reported:</b> 09/18/20 12:51
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Brady Moulder	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SWC-N-1'	P006044-01A	Soil	06/11/20	06/12/20	Glass Jar, 4 oz.



### Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:51:04PM
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**SWC-N-1'  
P006044-01 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RS		Batch: 2024026
Benzene	ND	0.0250	1	06/12/20	06/12/20	
Toluene	ND	0.0250	1	06/12/20	06/12/20	
Ethylbenzene	ND	0.0250	1	06/12/20	06/12/20	
p,m-Xylene	ND	0.0500	1	06/12/20	06/12/20	
o-Xylene	ND	0.0250	1	06/12/20	06/12/20	
Total Xylenes	ND	0.0250	1	06/12/20	06/12/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	50-150	06/12/20	06/12/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RS		Batch: 2024026
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/20	06/12/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	50-150	06/12/20	06/12/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2024027
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/20	06/12/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/12/20	06/12/20	
<i>Surrogate: n-Nonane</i>		101 %	50-200	06/12/20	06/12/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: NE		Batch: 2024025
Chloride	ND	20.0	1	06/12/20	06/12/20	
<b>Totals</b>	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/12/20	06/12/20	
Total BTEX	ND	0.0250		06/12/20	06/12/20	
Total TPH (C6-C40)	ND	20.0		06/12/20	06/12/20	



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:51:04PM
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#### Volatile Organics by EPA 8021B

Analyst: RS

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 (2024026-BLK1)

Prepared: 06/12/20 Analyzed: 06/12/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.23		8.00		103	50-150			

#### LCS (2024026-BS1)

Prepared: 06/12/20 Analyzed: 06/12/20

Benzene	5.23	0.0250	5.00		105	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
Ethylbenzene	5.20	0.0250	5.00		104	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
o-Xylene	5.20	0.0250	5.00		104	70-130			
Total Xylenes	15.6	0.0250	15.0		104	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.33		8.00		104	50-150			

#### Matrix Spike (2024026-MS1)

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Benzene	5.12	0.0250	5.00	ND	102	54.3-133			
Toluene	5.10	0.0250	5.00	ND	102	61.4-130			
Ethylbenzene	5.06	0.0250	5.00	ND	101	61.4-133			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63.3-131			
o-Xylene	5.07	0.0250	5.00	ND	101	63.3-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.39		8.00		105	50-150			

#### Matrix Spike Dup (2024026-MSD1)

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Benzene	5.05	0.0250	5.00	ND	101	54.3-133	1.37	20	
Toluene	5.02	0.0250	5.00	ND	100	61.4-130	1.55	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61.4-133	1.44	20	
p,m-Xylene	9.99	0.0500	10.0	ND	99.9	63.3-131	1.38	20	
o-Xylene	5.01	0.0250	5.00	ND	100	63.3-131	1.21	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	0-200	1.32	200	
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	50-150			



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:51:04PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RS

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 (2024026-BLK1)**

Prepared: 06/12/20 Analyzed: 06/12/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.4	50-150			

**LCS (2024026-BS2)**

Prepared: 06/12/20 Analyzed: 06/12/20

Gasoline Range Organics (C6-C10)	47.6	20.0	50.0		95.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.7	50-150			

**Matrix Spike (2024026-MS2)**

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	50-150			

**Matrix Spike Dup (2024026-MSD2)**

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.1	70-130	0.613	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	50-150			



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:51:04PM
--	--	--

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

Analyst: JL

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

**Blank (2024027-BLK1)**

Prepared: 06/12/20 Analyzed: 06/12/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: <i>n</i> -Nonane	52.0		50.0		104	50-200			

**LCS (2024027-BS1)**

Prepared: 06/12/20 Analyzed: 06/12/20

Diesel Range Organics (C10-C28)	444	25.0	500		88.7	38-132			
Surrogate: <i>n</i> -Nonane	47.6		50.0		95.3	50-200			

**Matrix Spike (2024027-MS1)**

Source: P006045-01 Prepared: 06/12/20 Analyzed: 06/12/20

Diesel Range Organics (C10-C28)	474	25.0	500	ND	94.8	38-132			
Surrogate: <i>n</i> -Nonane	47.1		50.0		94.1	50-200			

**Matrix Spike Dup (2024027-MSD1)**

Source: P006045-01 Prepared: 06/12/20 Analyzed: 06/12/20

Diesel Range Organics (C10-C28)	482	25.0	500	ND	96.4	38-132	1.64	20	
Surrogate: <i>n</i> -Nonane	47.3		50.0		94.6	50-200			



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:51:04PM
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#### Anions by EPA 300.0/9056A

Analyst: NE

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 (2024025-BLK1)**

Prepared: 06/12/20 Analyzed: 06/12/20

Chloride ND 20.0

**LCS (2024025-BS1)**

Prepared: 06/12/20 Analyzed: 06/12/20

Chloride 248 20.0 250 99.2 90-110

**Matrix Spike (2024025-MS1)**

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Chloride 265 20.0 250 ND 106 80-120

**Matrix Spike Dup (2024025-MSD1)**

Source: P006044-01 Prepared: 06/12/20 Analyzed: 06/12/20

Chloride 262 20.0 250 ND 105 80-120 1.06 20

QC Summary Report Comment:

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



## Definitions and Notes

Spur	Project Name:	South Boyd Federal Com Battery	
PO Box 1058	Project Number:	19054-0003	<b>Reported:</b>
Hobbs NM, 88240	Project Manager:	Brady Moulder	09/18/20 12:51

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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



Client: <u>SPur Energy</u>		Bill To		Lab Use Only		TAT		EPA Program							
Project: <u>South Blvd 18</u>		Attention: <u>Eddie gayton</u>		Lab WO#	Job Number	1D	3D	RCRA	CWA	SDWA					
Project Manager: <u>Brady Maulder</u>		Address: <u>4024 Plains Hwy</u>		<u>P006044</u>	<u>190540008X</u>										
Address:		City, State, Zip: <u>Louington NM</u>		Analysis and Method						State					
City, State, Zip		Phone: <u>575-441-0212</u>		DRO/ORO by 805	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	NM	CO	UT	AZ
Phone: <u>575 441 0212</u>		Email: <u>Egayton@Hungry-Horse.com</u>										TX	OK		
Email: <u>Egayton@Hungry-Horse.com</u>		Report due by: <u>Hungry Horse LLC</u>		Remarks											

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 805	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
11:00	6/11/20	S	1	SWC-N-1'	1							X		

**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) <u>[Signature]</u>	Date <u>6/11/2020</u>	Time <u>11:49</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>6-11-2020</u>	Time <u>1149</u>	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) <u>[Signature]</u>	Date <u>6-11-2020</u>	Time <u>1625</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>6/12/20</u>	Time <u>9:45</u>	
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.

Date Reported: 9/18/20

Eddie Gayton  
PO Box 1058  
Hobbs, NM 88240



Project Name: South Boyd Federal Com Battery  
Workorder: P006052  
Date Received: 6/16/2020 9:30:00AM

Eddie Gayton,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/16/2020 9:30:00AM, under the Project Name: South Boyd Federal Com Battery.

The analytical test results summarized in this report with the Project Name: South Boyd Federal Com Battery 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](mailto:whinchman@envirotech-inc.com)

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### Sample Summary

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Eddie Gayton	<b>Reported:</b> 09/18/20 12:51
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH-1	P006052-01A	Soil	06/15/20	06/16/20	Glass Jar, 4 oz.
BH-2	P006052-02A	Soil	06/15/20	06/16/20	Glass Jar, 4 oz.
BH-3	P006052-03A	Soil	06/15/20	06/16/20	Glass Jar, 4 oz.
BH-4	P006052-04A	Soil	06/15/20	06/16/20	Glass Jar, 4 oz.
BH-5	P006052-05A	Soil	06/15/20	06/16/20	Glass Jar, 4 oz.



### Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Eddie Gayton	<b>Reported:</b> 9/18/2020 12:51:42PM
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**BH-1**

**P006052-01 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RS		Batch: 2025002	
Benzene	ND	0.0250	1	06/16/20	06/16/20	
Toluene	ND	0.0250	1	06/16/20	06/16/20	
Ethylbenzene	ND	0.0250	1	06/16/20	06/16/20	
p,m-Xylene	ND	0.0500	1	06/16/20	06/16/20	
o-Xylene	ND	0.0250	1	06/16/20	06/16/20	
Total Xylenes	ND	0.0250	1	06/16/20	06/16/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	50-150	06/16/20	06/16/20	

<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RS		Batch: 2025002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/20	06/16/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.5 %	50-150	06/16/20	06/16/20	

<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2025007	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/20	06/16/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/15/20	06/16/20	
<i>Surrogate: n-Nonane</i>		96.2 %	50-200	06/15/20	06/16/20	

<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: NE		Batch: 2025010	
Chloride	ND	20.0	1	06/16/20	06/16/20	

<b>Totals</b>	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/16/20	06/16/20	
Total BTEX	ND	0.0250		06/16/20	06/16/20	
Total TPH (C6-C40)	ND	20.0		06/16/20	06/16/20	



### Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Eddie Gayton	<b>Reported:</b> 9/18/2020 12:51:42PM
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**BH-2**

**P006052-02 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RS		Batch: 2025002
Benzene	ND	0.0250	1	06/16/20	06/16/20	
Toluene	ND	0.0250	1	06/16/20	06/16/20	
Ethylbenzene	ND	0.0250	1	06/16/20	06/16/20	
p,m-Xylene	ND	0.0500	1	06/16/20	06/16/20	
o-Xylene	ND	0.0250	1	06/16/20	06/16/20	
Total Xylenes	ND	0.0250	1	06/16/20	06/16/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	50-150	06/16/20	06/16/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RS		Batch: 2025002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/20	06/16/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.7 %	50-150	06/16/20	06/16/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2025007
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/20	06/16/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/15/20	06/16/20	
<i>Surrogate: n-Nonane</i>		111 %	50-200	06/15/20	06/16/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: NE		Batch: 2025010
Chloride	ND	20.0	1	06/16/20	06/16/20	
<b>Totals</b>	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/16/20	06/16/20	
Total BTEX	ND	0.0250		06/16/20	06/16/20	
Total TPH (C6-C40)	ND	20.0		06/16/20	06/16/20	



### Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Eddie Gayton	<b>Reported:</b> 9/18/2020 12:51:42PM
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**BH-3**

**P006052-03 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2025002
Benzene	ND	0.0250	1	06/16/20	06/16/20	
Toluene	ND	0.0250	1	06/16/20	06/16/20	
Ethylbenzene	ND	0.0250	1	06/16/20	06/16/20	
p,m-Xylene	ND	0.0500	1	06/16/20	06/16/20	
o-Xylene	ND	0.0250	1	06/16/20	06/16/20	
Total Xylenes	ND	0.0250	1	06/16/20	06/16/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	50-150	06/16/20	06/16/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2025002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/20	06/16/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.0 %	50-150	06/16/20	06/16/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2025007
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/20	06/16/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/15/20	06/16/20	
<i>Surrogate: n-Nonane</i>						
		99.6 %	50-200	06/15/20	06/16/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2025010
Chloride	ND	20.0	1	06/16/20	06/16/20	
<b>Totals</b>						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/16/20	06/16/20	
Total BTEX	ND	0.0250		06/16/20	06/16/20	
Total TPH (C6-C40)	ND	20.0		06/16/20	06/16/20	



### Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Eddie Gayton	<b>Reported:</b> 9/18/2020 12:51:42PM
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**BH-4**

**P006052-04 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2025002
Benzene	ND	0.0250	1	06/16/20	06/16/20	
Toluene	ND	0.0250	1	06/16/20	06/16/20	
Ethylbenzene	ND	0.0250	1	06/16/20	06/16/20	
p,m-Xylene	ND	0.0500	1	06/16/20	06/16/20	
o-Xylene	ND	0.0250	1	06/16/20	06/16/20	
Total Xylenes	ND	0.0250	1	06/16/20	06/16/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	50-150	06/16/20	06/16/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2025002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/20	06/16/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.6 %	50-150	06/16/20	06/16/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2025007
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/20	06/16/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/15/20	06/16/20	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	06/15/20	06/16/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2025010
Chloride	ND	20.0	1	06/16/20	06/16/20	
<b>Totals</b>						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/16/20	06/16/20	
Total BTEX	ND	0.0250		06/16/20	06/16/20	
Total TPH (C6-C40)	ND	20.0		06/16/20	06/16/20	



### Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Eddie Gayton	<b>Reported:</b> 9/18/2020 12:51:42PM
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**BH-5**

**P006052-05 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2025002
Benzene	ND	0.0250	1	06/16/20	06/16/20	
Toluene	ND	0.0250	1	06/16/20	06/16/20	
Ethylbenzene	ND	0.0250	1	06/16/20	06/16/20	
p,m-Xylene	ND	0.0500	1	06/16/20	06/16/20	
o-Xylene	ND	0.0250	1	06/16/20	06/16/20	
Total Xylenes	ND	0.0250	1	06/16/20	06/16/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	50-150	06/16/20	06/16/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2025002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/20	06/16/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.1 %	50-150	06/16/20	06/16/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2025007
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/20	06/16/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/15/20	06/16/20	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	06/15/20	06/16/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2025010
Chloride	ND	20.0	1	06/16/20	06/16/20	
<b>Totals</b>						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/16/20	06/16/20	
Total BTEX	ND	0.0250		06/16/20	06/16/20	
Total TPH (C6-C40)	ND	20.0		06/16/20	06/16/20	



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Eddie Gayton	<b>Reported:</b> 9/18/2020 12:51:42PM
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#### Volatile Organics by EPA 8021B

Analyst: RS

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 (2025002-BLK1)

Prepared: 06/15/20 Analyzed: 06/15/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.49		8.00		106	50-150			

#### LCS (2025002-BS1)

Prepared: 06/15/20 Analyzed: 06/15/20

Benzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.07	0.0250	5.00		101	70-130			
Ethylbenzene	5.04	0.0250	5.00		101	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
o-Xylene	5.06	0.0250	5.00		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.63		8.00		108	50-150			

#### Matrix Spike (2025002-MS1)

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Benzene	5.20	0.0250	5.00	ND	104	54.3-133			
Toluene	5.19	0.0250	5.00	ND	104	61.4-130			
Ethylbenzene	5.16	0.0250	5.00	ND	103	61.4-133			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63.3-131			
o-Xylene	5.19	0.0250	5.00	ND	104	63.3-131			
Total Xylenes	15.5	0.0250	15.0	ND	103	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.77		8.00		110	50-150			

#### Matrix Spike Dup (2025002-MSD1)

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Benzene	4.77	0.0250	5.00	ND	95.3	54.3-133	8.67	20	
Toluene	4.73	0.0250	5.00	ND	94.6	61.4-130	9.30	20	
Ethylbenzene	4.71	0.0250	5.00	ND	94.2	61.4-133	9.18	20	
p,m-Xylene	9.42	0.0500	10.0	ND	94.2	63.3-131	9.19	20	
o-Xylene	4.73	0.0250	5.00	ND	94.7	63.3-131	9.23	20	
Total Xylenes	14.2	0.0250	15.0	ND	94.3	0-200	9.20	200	
Surrogate: 4-Bromochlorobenzene-PID	8.71		8.00		109	50-150			



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Eddie Gayton	<b>Reported:</b> 9/18/2020 12:51:42PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RS

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

**Blank (2025002-BLK1)**

Prepared: 06/15/20 Analyzed: 06/15/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.2	50-150			

**LCS (2025002-BS2)**

Prepared: 06/15/20 Analyzed: 06/15/20

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.4	50-150			

**Matrix Spike (2025002-MS2)**

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2	50-150			

**Matrix Spike Dup (2025002-MSD2)**

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130	0.802	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	50-150			



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Eddie Gayton	<b>Reported:</b> 9/18/2020 12:51:42PM
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#### 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 (2025007-BLK1)**

Prepared: 06/15/20 Analyzed: 06/15/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: <i>n</i> -Nonane	56.9		50.0		114	50-200			

**LCS (2025007-BS1)**

Prepared: 06/15/20 Analyzed: 06/15/20

Diesel Range Organics (C10-C28)	442	25.0	500		88.4	38-132			
Surrogate: <i>n</i> -Nonane	51.5		50.0		103	50-200			

**Matrix Spike (2025007-MS1)**

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Diesel Range Organics (C10-C28)	7930	500	500	7770	31.0	38-132			M4
Surrogate: <i>n</i> -Nonane	56.4		50.0		113	50-200			

**Matrix Spike Dup (2025007-MSD1)**

Source: P006050-01 Prepared: 06/15/20 Analyzed: 06/15/20

Diesel Range Organics (C10-C28)	8050	500	500	7770	56.3	38-132	1.58	20	M4
Surrogate: <i>n</i> -Nonane	56.6		50.0		113	50-200			



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Eddie Gayton	<b>Reported:</b> 9/18/2020 12:51:42PM
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#### Anions by EPA 300.0/9056A

Analyst: NE

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 (2025010-BLK1)**

Prepared: 06/16/20 Analyzed: 06/16/20

Chloride ND 20.0

**LCS (2025010-BS1)**

Prepared: 06/16/20 Analyzed: 06/16/20

Chloride 253 20.0 250 101 90-110

**Matrix Spike (2025010-MS1)**

Source: P006046-01 Prepared: 06/16/20 Analyzed: 06/16/20

Chloride 1970 40.0 250 1660 124 80-120 M2

**Matrix Spike Dup (2025010-MSD1)**

Source: P006046-01 Prepared: 06/16/20 Analyzed: 06/16/20

Chloride 1770 40.0 250 1660 43.5 80-120 10.8 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	Project Name:	South Boyd Federal Com Battery	
PO Box 1058	Project Number:	19054-0003	<b>Reported:</b>
Hobbs NM, 88240	Project Manager:	Eddie Gayton	09/18/20 12:51

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference

Note (1): Methods marked with \*\* are non-accredited methods.  
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Client: <u>Star Energy</u> Project: <u>South Blvd 13</u> Project Manager: <u>Brady Mowbray</u> Address: _____ City, State, Zip _____ Phone: <u>575 441 0212</u> Email: <u>E.gayton@Hungry-Horse.com</u> Report due by: <u>Hungry Horse LLC</u>		Bill To Attention: <u>Eddie Gayton</u> Address: <u>4024 Plains Hwy</u> City, State, Zip <u>Lovington, NM</u> Phone: <u>575 441 0212</u> Email: <u>E.gayton@Hungry-Horse.com</u>		Lab Use Only Lab WO# <u>PC06052</u> Job Number <u>19054-0003</u> Analysis and Method _____		TAT 1D <input checked="" type="checkbox"/> 3D <input type="checkbox"/>		EPA Program RCRA <input type="checkbox"/> CWA <input type="checkbox"/> SDWA <input type="checkbox"/>		
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Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	State				Remarks	
														NM	CO	UT	AZ		
	6/15	S	1	BH-1	1							X							
				BH-2	2							X							
				BH-3	3							X							
				BH-4	4							X							
				BH-5	5							X							

**Additional Instructions:**

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

Relinquished by: (Signature) _____	Date <u>6/15/2020</u>	Time <u>10:51</u>	Received by: (Signature) _____	Date <u>6-15-2020</u>	Time <u>1051</u>	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) _____	Date <u>6-15-2020</u>	Time <u>16:05</u>	Received by: (Signature) <u>Alexis</u>	Date <u>6-16-20</u>	Time <u>9:30</u>	
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.

Report to:

Brady Moulder

PO Box 1058

Hobbs, NM 88240



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Spur

Project Name: South Boyd Federal Com Battery

Work Order: P006023

Job Number: 19054-0003

Received: 6/9/2020

Revision: 2

Report Reviewed By:

*Walter Hinchman*

Walter Hinchman

Laboratory Director

9/18/20

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 NM009792018-1 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 9/18/20

Brady Moulder  
PO Box 1058  
Hobbs, NM 88240



Project Name: South Boyd Federal Com Battery  
Workorder: P006023  
Date Received: 6/9/2020 10:00:00AM

Brady Moulder,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/9/2020 10:00:00AM, under the Project Name: South Boyd Federal Com Battery.

The analytical test results summarized in this report with the Project Name: South Boyd Federal Com Battery 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](mailto:whinchman@envirotech-inc.com)

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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 09/18/20 12:50
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SWC-N	P006023-01A	Soil	06/08/20	06/09/20	Glass Jar, 4 oz.
SWC-E	P006023-02A	Soil	06/08/20	06/09/20	Glass Jar, 4 oz.
SWC-W-2'	P006023-03A	Soil	06/08/20	06/09/20	Glass Jar, 4 oz.
SWE-W-1'	P006023-04A	Soil	06/08/20	06/09/20	Glass Jar, 4 oz.
SWE-N-2'	P006023-05A	Soil	06/08/20	06/09/20	Glass Jar, 4 oz.



## Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Brady Moulder	Reported: 9/18/2020 12:50:19PM
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### SWC-N

#### P006023-01 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2024004
Benzene	ND	0.0250	1	06/09/20	06/09/20	
Toluene	ND	0.0250	1	06/09/20	06/09/20	
Ethylbenzene	ND	0.0250	1	06/09/20	06/09/20	
p,m-Xylene	ND	0.0500	1	06/09/20	06/09/20	
o-Xylene	ND	0.0250	1	06/09/20	06/09/20	
Total Xylenes	ND	0.0250	1	06/09/20	06/09/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	50-150	06/09/20	06/09/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2024004
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/20	06/09/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.7 %	50-150	06/09/20	06/09/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2024006
Diesel Range Organics (C10-C28)	102	25.0	1	06/09/20	06/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/09/20	06/09/20	
<i>Surrogate: n-Nonane</i>						
		79.0 %	50-200	06/09/20	06/09/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2024005
Chloride	878	20.0	1	06/09/20	06/09/20	
<b>Totals</b>						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/09/20	06/09/20	
Total BTEX	ND	0.0250		06/09/20	06/09/20	
Total TPH (C6-C40)	102	20.0		06/09/20	06/09/20	



### Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:50:19PM
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**SWC-E**

**P006023-02 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RS		Batch: 2024004	
Benzene	ND	0.0250	1	06/09/20	06/09/20	
Toluene	<b>0.0379</b>	0.0250	1	06/09/20	06/09/20	
Ethylbenzene	<b>0.0252</b>	0.0250	1	06/09/20	06/09/20	
p,m-Xylene	ND	0.0500	1	06/09/20	06/09/20	
o-Xylene	ND	0.0250	1	06/09/20	06/09/20	
Total Xylenes	ND	0.0250	1	06/09/20	06/09/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	50-150	06/09/20	06/09/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RS		Batch: 2024004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/20	06/09/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.2 %	50-150	06/09/20	06/09/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2024006	
Diesel Range Organics (C10-C28)	<b>30.6</b>	25.0	1	06/09/20	06/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/09/20	06/09/20	
<i>Surrogate: n-Nonane</i>		87.4 %	50-200	06/09/20	06/09/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: NE		Batch: 2024005	
Chloride	<b>73.7</b>	20.0	1	06/09/20	06/09/20	
<b>Totals</b>	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/09/20	06/09/20	
Total BTEX	<b>0.0631</b>	0.0250		06/09/20	06/09/20	
Total TPH (C6-C40)	<b>30.6</b>	20.0		06/09/20	06/09/20	



### Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:50:19PM
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**SWC-W-2'**

**P006023-03 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2024004
Benzene	ND	0.0250	1	06/09/20	06/09/20	
Toluene	ND	0.0250	1	06/09/20	06/09/20	
Ethylbenzene	ND	0.0250	1	06/09/20	06/09/20	
p,m-Xylene	ND	0.0500	1	06/09/20	06/09/20	
o-Xylene	ND	0.0250	1	06/09/20	06/09/20	
Total Xylenes	ND	0.0250	1	06/09/20	06/09/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	50-150	06/09/20	06/09/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2024004
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/20	06/09/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.2 %	50-150	06/09/20	06/09/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2024006
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/20	06/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/09/20	06/09/20	
<i>Surrogate: n-Nonane</i>						
		92.1 %	50-200	06/09/20	06/09/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2024005
Chloride	ND	20.0	1	06/09/20	06/09/20	
<b>Totals</b>						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/09/20	06/09/20	
Total BTEX	ND	0.0250		06/09/20	06/09/20	
Total TPH (C6-C40)	ND	20.0		06/09/20	06/09/20	



### Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:50:19PM
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**SWE-W-1'**

**P006023-04 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RS		Batch: 2024004
Benzene	ND	0.0250	1	06/09/20	06/09/20	
Toluene	ND	0.0250	1	06/09/20	06/09/20	
Ethylbenzene	ND	0.0250	1	06/09/20	06/09/20	
p,m-Xylene	ND	0.0500	1	06/09/20	06/09/20	
o-Xylene	ND	0.0250	1	06/09/20	06/09/20	
Total Xylenes	ND	0.0250	1	06/09/20	06/09/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	50-150	06/09/20	06/09/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RS		Batch: 2024004
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/20	06/09/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.5 %	50-150	06/09/20	06/09/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2024006
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/20	06/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/09/20	06/09/20	
<i>Surrogate: n-Nonane</i>		92.4 %	50-200	06/09/20	06/09/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: NE		Batch: 2024005
Chloride	23.6	20.0	1	06/09/20	06/09/20	
<b>Totals</b>	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/09/20	06/09/20	
Total BTEX	ND	0.0250		06/09/20	06/09/20	
Total TPH (C6-C40)	ND	20.0		06/09/20	06/09/20	



### Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Batte Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:50:19PM
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**SWE-N-2'**

**P006023-05 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2024004
Benzene	ND	0.0250	1	06/09/20	06/09/20	
Toluene	ND	0.0250	1	06/09/20	06/09/20	
Ethylbenzene	ND	0.0250	1	06/09/20	06/09/20	
p,m-Xylene	ND	0.0500	1	06/09/20	06/09/20	
o-Xylene	ND	0.0250	1	06/09/20	06/09/20	
Total Xylenes	ND	0.0250	1	06/09/20	06/09/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	50-150	06/09/20	06/09/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2024004
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/20	06/09/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.6 %	50-150	06/09/20	06/09/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2024006
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/20	06/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/09/20	06/09/20	
<i>Surrogate: n-Nonane</i>		91.9 %	50-200	06/09/20	06/09/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2024005
Chloride	ND	20.0	1	06/09/20	06/09/20	
<b>Totals</b>						
	mg/kg	mg/kg				
Total Xylenes	ND	0.0250		06/09/20	06/09/20	
Total BTEX	ND	0.0250		06/09/20	06/09/20	
Total TPH (C6-C40)	ND	20.0		06/09/20	06/09/20	



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:50:19PM
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#### Volatile Organics by EPA 8021B

Analyst: RS

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 (2024004-BLK1)**

Prepared: 06/09/20 Analyzed: 06/09/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.33		8.00		104	50-150			

**LCS (2024004-BS1)**

Prepared: 06/09/20 Analyzed: 06/09/20

Benzene	5.21	0.0250	5.00		104	70-130			
Toluene	5.20	0.0250	5.00		104	70-130			
Ethylbenzene	5.17	0.0250	5.00		103	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
o-Xylene	5.19	0.0250	5.00		104	70-130			
Total Xylenes	15.5	0.0250	15.0		104	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.52		8.00		107	50-150			

**Matrix Spike (2024004-MS1)**

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Benzene	5.15	0.0250	5.00	ND	103	54.3-133			
Toluene	5.16	0.0250	5.00	ND	103	61.4-130			
Ethylbenzene	5.14	0.0250	5.00	ND	103	61.4-133			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63.3-131			
o-Xylene	5.14	0.0250	5.00	ND	103	63.3-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00		104	50-150			

**Matrix Spike Dup (2024004-MSD1)**

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Benzene	5.14	0.0250	5.00	ND	103	54.3-133	0.0797	20	
Toluene	5.12	0.0250	5.00	ND	102	61.4-130	0.765	20	
Ethylbenzene	5.10	0.0250	5.00	ND	102	61.4-133	0.769	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63.3-131	0.817	20	
o-Xylene	5.11	0.0250	5.00	ND	102	63.3-131	0.741	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	0-200	0.792	200	
Surrogate: 4-Bromochlorobenzene-PID	8.48		8.00		106	50-150			



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:50:19PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RS

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 (2024004-BLK1)**

Prepared: 06/09/20 Analyzed: 06/09/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	50-150			

**LCS (2024004-BS2)**

Prepared: 06/09/20 Analyzed: 06/09/20

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	50-150			

**Matrix Spike (2024004-MS2)**

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	50-150			

**Matrix Spike Dup (2024004-MSD2)**

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.6	70-130	0.745	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	50-150			



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:50:19PM
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#### 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 (2024006-BLK1)**

Prepared: 06/09/20 Analyzed: 06/09/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	45.7		50.0		91.4	50-200			

**LCS (2024006-BS1)**

Prepared: 06/09/20 Analyzed: 06/09/20

Diesel Range Organics (C10-C28)	451	25.0	500		90.1	38-132			
Surrogate: n-Nonane	48.8		50.0		97.7	50-200			

**Matrix Spike (2024006-MS1)**

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Diesel Range Organics (C10-C28)	539	25.0	500	102	87.4	38-132			
Surrogate: n-Nonane	41.6		50.0		83.3	50-200			

**Matrix Spike Dup (2024006-MSD1)**

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Diesel Range Organics (C10-C28)	535	25.0	500	102	86.7	38-132	0.716	20	
Surrogate: n-Nonane	45.2		50.0		90.4	50-200			



### QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: South Boyd Federal Com Battery Project Number: 19054-0003 Project Manager: Brady Moulder	<b>Reported:</b> 9/18/2020 12:50:19PM
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#### Anions by EPA 300.0/9056A

Analyst: NE

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 (2024005-BLK1)**

Prepared: 06/09/20 Analyzed: 06/09/20

Chloride ND 20.0

**LCS (2024005-BS1)**

Prepared: 06/09/20 Analyzed: 06/09/20

Chloride 249 20.0 250 99.5 90-110

**Matrix Spike (2024005-MS1)**

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Chloride 1020 20.0 250 878 57.3 80-120 M2

**Matrix Spike Dup (2024005-MSD1)**

Source: P006023-01 Prepared: 06/09/20 Analyzed: 06/09/20

Chloride 1120 20.0 250 878 98.5 80-120 9.62 20

QC Summary Report Comment:

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



### Definitions and Notes

Spur	Project Name:	South Boyd Federal Com Battery	
PO Box 1058	Project Number:	19054-0003	<b>Reported:</b>
Hobbs NM, 88240	Project Manager:	Brady Moulder	09/18/20 12:50

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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



Client: <u>SPur Energy</u>		Bill To		Lab Use Only		TAT		EPA Program							
Project: <u>South David 18</u>		Attention: <u>Edele Gaytan</u>		Lab WO#		1D 3D		RCRA	CWA	SDWA					
Project Manager: <u>Brady Moulder</u>		Address: <u>4024 Plains Hwy</u>		Job Number		<input checked="" type="checkbox"/>									
Address:		City, State, Zip		Analysis and Method						State					
City, State, Zip		Phone: <u>575-441-0212</u>		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	NM	CO	UT	AZ
Phone: <u>575-441-0212</u>		Email: <u>Egaytan@Hungry-Horse.com</u>										TX	OK		
Report due by: <u>Hungry Horse LLC</u>												Remarks			

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks	
8:46	6/8/2020	S	1	SWC-N	1							X			
8:55	}	}	}	SWC-E	2							X			
10:52				SWC-W-2'	3								X		
9:44				SWE-W-1'	4								X		
10:58				SWE-N-2'	5								X		

**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: Caleb Pitcher

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>6/8/2020</u>	Time <u>12:40</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>6-8-2020</u>	Time <u>1240</u>	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) <u>[Signature]</u>	Date <u>6-8-2020</u>	Time <u>1620</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>6/9/20</u>	Time <u>10:00</u>	
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.



5796 US Highway 64, Farmington, NM 87401  
24 Hour Emergency Response Phone: (800) 362-1879

Ph (505) 632-1881 Fx (505) 632-1865



Released to Imaging: 7/21/2021 10:46:59 AM

Received by OCD: 5/7/2021 4:41:59 AM

Page 15 of 15

Page 169 of 188

# SPUR ENERGY PARTNERS

SOUTH BOYD FED COM BTY  
EXCAVATION MAP

## Legend

- BOTTOM HOLE COMPOSITE
- COMP EXCV AREA
- SIDEWALL COMPOSITE

BH1: 32.622990 -104.467537  
BH2: 32.622983 -104.467507  
BH3: 32.622961 -104.467479  
BH4: 32.622932 -104.467451  
BH5: 32.622904 -104.467420  
SWC-N: 32.622973 -104.467458  
SWC-E: 32.622886 -104.467394  
SWC-W: 32.622996 -104.467557  
SWC-N (S): 32.622926 -104.467481



## Spur Energy Weights Statement - Total Received

<i>Receive Date</i>	<i>Manifest Number</i>	<i>Lease Name</i>	<i>Weight (lbs.)</i>	<i>Weight (Tons)</i>
6/1/2020	137244	South Boyd Fed Com Battery	25,420	12.71
6/2/2020	137262	South Boyd Fed Com Battery	41,600	20.80
6/3/2020	137282	South Boyd Fed Com Battery	40,520	20.26
		<b>TOTALS:</b>	<b>107,540</b>	<b>53.77</b>
			<i>lbs.</i>	<i>Tons</i>

**Lea Land Landfill New Mexico**

Mile Market # 64 US Highway 62/180

30 miles East of Carlsbad, NM \* (505) 887-4048

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER 64 U.S. HWY 62 180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1700 WINGENSON STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

*J. Forse*

NON-HAZARDOUS WASTE MANIFEST

137244

1 PAGE OF

2 TRAILER NO. *DTF*

G E	3. COMPANY NAME <b>Spur Energy</b>	4. ADDRESS <b>320 Memorial City Way</b>	5. PICK-UP DATE <b>6/1/2020</b>
	PHONE NO. <b>(833) 930-8602</b>	CITY STATE ZIP <b>Houston Tx. 77024</b>	6. TNRCC I.D. NO.

N E R	7. NAME OR DESCRIPTION OF WASTE SHIPPED <b>Non-Regulated, Non Hazardous Waste</b>	8. CONTAINERS No. Type <b>1 CM</b>	9. TOTAL QUANTITY	10. UNIT Wt/Vol	11. TEXAS WASTE ID #
	b.				
	c.				

*Wt: 25420*

A	12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>SOUTH BOYD FED COM BATTERY</b>	13. WASTE PROFILE NO.
---	--	-----------------------

T	14. IN CASE OF EMERGENCY OR SPILL, CONTACT		
	NAME <b>JOE ONTIVEROS</b>	PHONE NO. <b>575-887-3048</b>	24-HOUR EMERGENCY NO.

15. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, labeled, and placarded in proper condition for transport by highway according to applicable international and national governmental regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

R	PRINTED/TYPED NAME <b>CO. MAN: JERRY MATHEWS</b>	SIGNATURE	DATE
---	---	-----------	------

T R A N S P O R T E R S	16. TRANSPORTER (1) NAME: <b>HUNGRY HORSE</b>	17. TRANSPORTER (2) NAME
	TEXAS I.D. NO. <b>VERNON BLACK</b>	TEXAS I.D. NO.
	IN CASE OF EMERGENCY CONTACT EMERGENCY PHONE: <b>(575) 881-2268</b>	IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE:

T R A N S P O R T E R S	18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
	PRINTED/TYPED NAME <i>David Hernandez</i>	PRINTED/TYPED NAME
	SIGNATURE <i>David Hernandez</i> DATE <b>6/1/2020</b>	SIGNATURE DATE

D I S P O S I T A R Y	DISPOSAL FACILITY NAME <b>Lea Land, LLC</b>	ADDRESS <b>Mile Marker 64, U.S. Hwy 62 180, 30 Miles East of Carlsbad, NM</b>	PHONE: <b>575-887-4048</b>
---	--	--	-------------------------------

D I S P O S I T A R Y	PERMIT NO. <b>WM-01-035 - New Mexico</b>	10. COMMENTS
---	---	--------------

11. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes. (405) 524-4242

D I S P O S I T A R Y	AUTHORIZED SIGNATURE <i>Santa Gonzalez</i>	CELL NO.	DATE <b>6/1/2020</b>	TIME <i>1:05</i>
---	---	----------	-------------------------	---------------------

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER 64, U.S. HWY 62-180, 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

*J. Forse*

### NON-HAZARDOUS WASTE MANIFEST

137262

1 PAGE OF

2 TRAILER NO. *DT-7*

G E	3. COMPANY NAME <b>Spur Energy</b>		4. ADDRESS <b>920 Memorial City Way</b>			5. PICK-UP DATE <b>8/2/2020</b>				
	PHONE NO. <b>(833) 830-8502</b>		CITY <b>Houston</b>	STATE <b>Tx.</b>	ZIP <b>77024</b>	6. TNRCC I.D. NO.				
N E R	7. NAME OR DESCRIPTION OF WASTE SHIPPED <b>Non-Regulated, Non Hazardous Waste</b>					8. CONTAINERS No. <b>1</b> Type <b>CM</b>	9. TOTAL QUANTITY	10. UNIT Wt/Vol	11. TEXAS WASTE ID #	
	b.									
	c.									
A T O R	12. COMMENTS OR SPECIAL INSTRUCTIONS <b>SOUTH BOYD FED COM BATTERY</b>					13. WASTE PROFILE NO.				
	14. IN CASE OF EMERGENCY OR SPILL, CONTACT NAME <b>JOE ONTIVEROS</b> PHONE NO. <b>575-887-4048</b> 24-HOUR EMERGENCY NO.									
15. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this consignment are fully and accurately described above by proper shipping name and are classed, packaged, marked, labeled, and are in all respects in proper condition for transport by highway according to applicable international and national regulatory requirements, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC.										
PRINTED/TYPED NAME <b>CO. MAN: JERRY MATHEWS</b>					SIGNATURE			DATE		
T R A N S P O R T E R S	16. TRANSPORTER (1) NAME: <b>HUNGRY HORSE</b>				17. TRANSPORTER (2)					
	TEXAS I.D. NO.				NAME					
	IN CASE OF EMERGENCY CONTACT <b>VERNON BLACK</b> <b>(575) 831-2253</b>				TEXAS I.D. NO.					
	EMERGENCY PHONE				IN CASE OF EMERGENCY CONTACT					
18. TRANSPORTER (1): Acknowledgment of receipt of material					19. TRANSPORTER (2): Acknowledgment of receipt of material					
PRINTED TYPED NAME <i>Donald Hornum</i>					PRINTED TYPED NAME					
SIGNATURE <i>Donald Hornum</i> DATE <b>8/2/2020</b>					SIGNATURE DATE					
D I S P O S I T A R Y	Lea Land, LLC		ADDRESS <b>Mile Marker 64, U.S. Hwy 62-180, 30 Miles East of Carlsbad, NM</b>			PHONE <b>575-887-4048</b>				
	PERMITS NO. <b>WM-01-035 - New Mexico</b>					20. COMMENTS				
	21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.									
	22. AUTHORIZED SIGNATURE <i>Santos Gonzalez</i>					CELL NO.		DATE <b>8/2/2020</b>		TIME <b>11:30</b>

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER 64, US HWY 62, 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

100 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

*Yungui Yorse*  
DT-7

**NON-HAZARDOUS WASTE MANIFEST**

137282

1 PAGE OF

TRAILER NO.

G E N E R A T O R	3. COMPANY NAME <b>Spur Energy</b>	4. ADDRESS <b>920 Memorial City Way</b>	5. PICK-UP DATE <b>8/3/2020</b>			
	PHONE NO. <b>(833) 930-8502</b>	CITY STATE ZIP <b>Houston Tx 77024</b>	6. TNRCC I.D. NO.			
N E M O S T R A N S P O R T E R S	7. NAME OR DESCRIPTION OF WASTE SHIPPED: <b>Non-Regulated, Non Hazardous Waste</b>		8. CONTAINERS No. Type <b>1 CM</b>	9. TOTAL QUANTITY	10. UNIT Wt/Vol	11. TEXAS WASTE ID #
	12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>SOUTH BOYD FED COM BATTERY</b>		13. WASTE PROFILE NO.			
	14. IN CASE OF EMERGENCY OR SPILL, CONTACT NAME: <b>JOE ONTIVEROS</b> PHONE NO: <b>575-887-4048</b>		24-HOUR EMERGENCY NO.			
15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name, and are of sufficient quantity to classify, label, and pack in all respects in proper condition for transport by highway according to applicable international and national governmental regulations, including applicable hazard regulations, and are the same materials previously approved by LEA LAND, LLC.						
PRINTED/TYPED NAME: <b>CO. MAN: JERRY MATHEWS</b>			SIGNATURE		DATE	
T R A N S P O R T E R S	16. TRANSPORTER (1) NAME: <b>HUNGRY HORSE</b>			17. TRANSPORTER (2)		
	TEXAS I.D. NO.			TEXAS I.D. NO.		
	IN CASE OF EMERGENCY CONTACT: <b>VERNON BLACK</b>			IN CASE OF EMERGENCY CONTACT:		
	EMERGENCY PHONE: <b>(575) 684-2253</b>			EMERGENCY PHONE:		
18. TRANSPORTER (1): Acknowledgment of receipt of material PRINTED/TYPED NAME: <i>Daniel Hernandez</i>			19. TRANSPORTER (2): Acknowledgment of receipt of material PRINTED/TYPED NAME:			
SIGNATURE: <i>Daniel Hernandez</i> DATE: <b>8/3/2020</b>			SIGNATURE: DATE:			
D I S P O S I T O R Y	Lea Land, LLC		ADDRESS: <b>Mile Marker 64, US Hwy 62 180, 30 Miles East of Carlsbad, NM</b>		PHONE: <b>575-887-4048</b>	
	PERMIT NO: <b>WM-01-035 - New Mexico</b>		16. COMMENTS			
	21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.					
M. THE RECEIVING FACILITY'S NAME: <i>Santa Morales</i>			CELL NO.	DATE: <b>8/3/2020</b>	TIME: <b>9:55</b>	

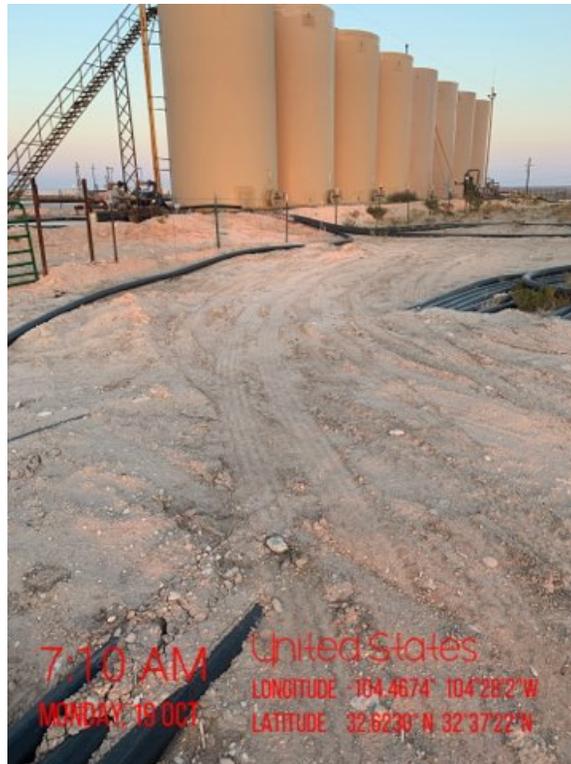


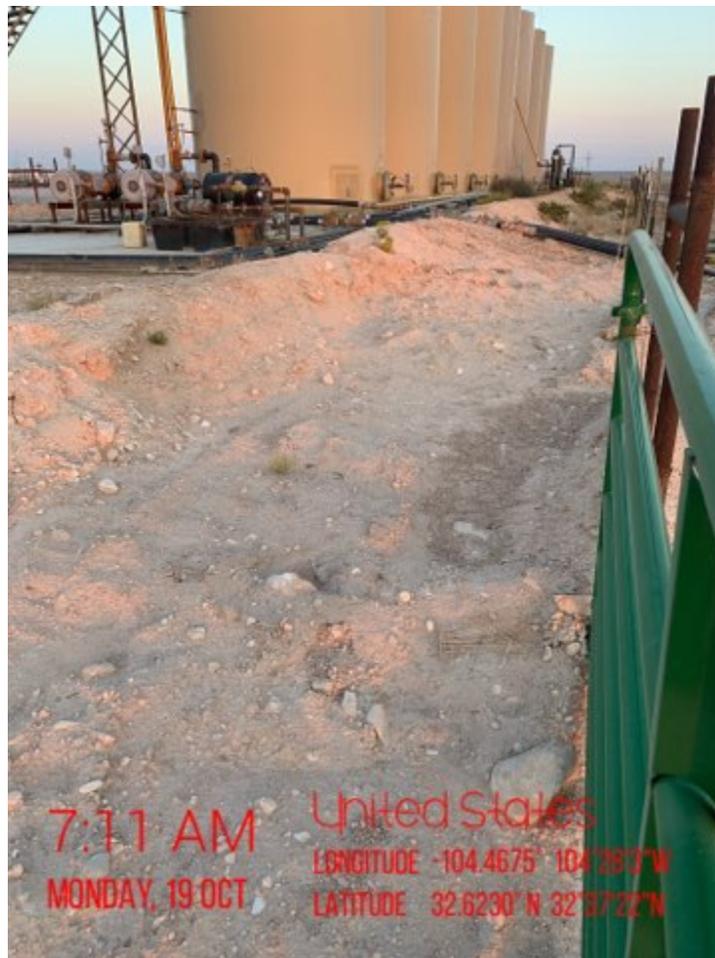


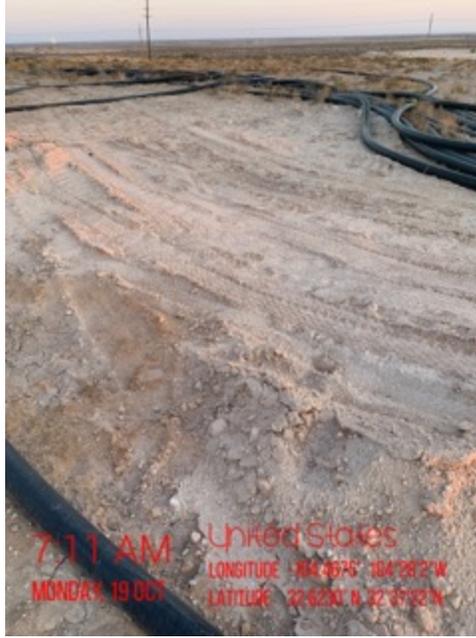
# SPUR ENERGY

## SOUTH BOYD FEDERAL COM BATTERY

### FINAL SITE PHOTOS













7:15 AM  
MONDAY, 19 OCT

United States  
LONGITUDE -104.4678° 104°28'4"W  
LATITUDE 32.6229° N 32°37'22"N

Incident ID	
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	UNK (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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: Natalie Gladden Title: Director of Environmental and Regulatory

Signature:  Date: 5-6-21

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

**OCD Only**

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

Incident ID	
District RP	
Facility ID	
Application ID	

## Remediation Plan

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

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

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

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

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

Printed Name: Natalie Gladden Title: Director of Environmental and Regulatory

Signature:  Date: 5-6-21

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

**OCD Only**

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

- Approved       Approved with Attached Conditions of Approval       Denied       Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	
District RP	
Facility ID	
Application ID	

### Closure

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

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

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

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

Printed Name: Natalie Gladden Title: Director of Environmental and Regulatory

Signature:  Date: 5-6-21

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

**OCD Only**

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

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Incident ID	NRH2003450480
District RP	
Facility ID	
Application ID	

## Closure

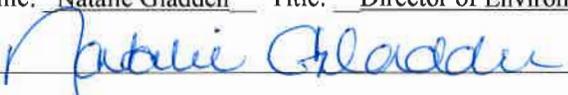
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**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

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- Description of remediation activities

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Printed Name: Natalie Gladden Title: Director of Environmental and Regulatory

Signature:  Date: 5-6-21

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

**OCD Only**

Received by: Robert Hamlet Date: 7/21/2021

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

Closure Approved by: Robert Hamlet Date: 7/21/2021

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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

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

CONDITIONS

Action 27247

**CONDITIONS**

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 27247
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	The Closure Report is approved. On future releases, if rock refusal hinders delineation/excavation, use a hydrovac to clean contaminated soil off rock. After rock surface is clean, layer rock with microbial strains to digest organics and hydrocarbons if present. Back-fill with clean material. Please make sure this process is incorporated into remediation projects and included on future closure report summaries if rock refusal is encountered.	7/21/2021