



Folk State #011 Battery Closure Report/Deferral Request

API No. 30-015-37397

2RP-5527

Incident ID: NAB1919234395

Release Date: 06/12/2019

**U/L J, Section 17, Range 17S, Township 29E
Eddy County**

06/09/2020

Prepared by:



**7 W Compass Road
Artesia, NM 88210
575-746-9547**



June 09, 2020

New Mexico Energy, Minerals & Natural Resources
NMOCD District II
C/O Mike Bratcher, Robert Hamlet & Victoria Venegas
811 S. First Street
Artesia, NM 88220

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

**SUBJECT: Closure Request/Deferral for Spur Energy Partner – Folk State #011 Battery
API No. 30-015-37397
2RP-5527
Release Date: 06/12/2019
U/L J, Section 17, Range 17S, Township 29E
Eddy County**

To Whom It May Concern,

On behalf of Spur Energy Partners, Energy Staffing & Services (ESS) has prepared this CLOSURE REPORT/DEFERRAL REQUEST that describes the assessment delineation and remediation for the release associated with the Folk State #011 Battery, dated June 12th, 2019, with RP# 2RP-5527.

BACKGROUND

This site is located in Eddy County, New Mexico. The release was discovered on June 12th, 2019. The release was caused by a hole in the circulating line. The line has been repaired. Approximately 112bbls of crude oil was released into the lined containment. A vacuum truck was dispatched to the site and approximately 80bbls of fluid was recovered and then hauled to an approved disposal site. The approximate area of impact within the lined containment was 12,750.037 sq. ft. The approved corresponding C-141 for the release is attached.

GROUNDWATER RESEARCH

ESS has conducted a groundwater study of this area. It has been determined that according to the New Mexico Office of the State Engineer, the closest well to this site is 3173' with water depth of 76'bgs (below ground surface). The only two (2) wells with a 5000' radius are shown below:

RA 11807 POD1 is 3173' from the site with water depth of 76'bgs.

RA 12307 POD1 is 4214' from the site with water depth of 58'bgs.

With the data collected during the groundwater research protocol, there is verifiable record of groundwater in the vicinity of the site detailed herein. There is no eminent danger of groundwater impact found at this site.

The Closure Criteria for Soils Impacted by a Release is shown below, based on groundwater of 76'bgs the site falls into the 50-100' depth category. Please see the groundwater data and map attached.

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

KARST RESEARCH

The Karst Mapping Data found for this site indicates the site is located within the blue zone which designates this area as medium karst. This changes the Closure Criteria to the <50' depth category. That table is shown below.

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

DELINEATION AND REMEDIATION

On or about, January 28th, 2020, Hungry Horse, LLC dispatched a crew to the location to begin digging out the material that was previously placed over the lined containment. The site had previously been mapped and photographed. The impacted material inside the containment was excavated by hand. The contaminated material was stockpiled on plastic outside the lined

containment. Upon fully excavating the material on-top of the liner it became apparent that the liner contained numerous large holes and tears. At this time, it was determined that the liner was not worth patching or repairing. The liner was cut out and hauled to disposal. The area inside the containment then had to be fully delineated both vertically and horizontally. Thirteen (13) sample points were set inside the containment with eight (8) sidewall points. The site was sampled in 1' and 2' intervals. Both a hand-auger and mini track-hoe was used to delineate the site, due to electrical and production lines being in the area of impact.

Delineation began with the vertical sample points. Surface samples were obtained first and titrated in the field using the titration method recommended by the NMOCD. Surface samples are shown in the table below.

Surf ID	Depth	Tit/Chl
SP 1	SURF	160
SP 2	SURF	320
SP 3	SURF	240
SP 4	SURF	160
SP 5	SURF	240
SP 6	SURF	160
SP 7	SURF	240
SP 8	SURF	160
SP 9	SURF	240
SP 10	SURF	240
SP 11	SURF	240
SP 12	SURF	320
SP 13	SURF	ND

Vertical delineation continued after sample points were placed and surface samples were tested and logged. Each sample was titrated in the field, then jarred and sent to Envirotech Laboratory for confirmation. A PID Meter was also used to detect high concentrations of TPH. Below you will find the verified confirmation samples from Envirotech Laboratories:

Ver Sam ID	Depth	Tit/Chl	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL
SP 1	2'	400	8.9	8770	3660	162	12592	153
SP 2	6'	320	ND	1010	507	ND	1517	190
SP 3	2'	1040	ND	882	480	ND	1362	564
SP 4	2'	160	0.0951	5210	2460	ND	7670	28.1
SP 5	6'	240	ND	498	287	ND	785	98.7
SP 6	6'	240	ND	147	105	ND	252	ND
SP 7	6'	160	ND	386	231	ND	627	33.7
SP 8	6'	320	ND	ND	ND	ND	ND	ND
SP 9	6'	160	ND	ND	ND	ND	ND	ND
SP 10	6'	160	ND	46.2	ND	ND	46.2	ND
SP 11	4'	240	ND	ND	ND	ND	ND	135
SP 12	4'	480	ND	ND	ND	ND	ND	266
SP 13	4'	1440	ND	ND	ND	ND	ND	220

After obtaining the vertical samples, a full horizontal delineation began to ascertain the edges of the impacted area. Each sidewall was sampled in the field, using the titration method then jarred and sent to Envirotech Laboratory for confirmation. Below you will find the verified samples of the sidewalls:

Hor Sam ID	Depth	Tit/Chl	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL
SW 1	1'	160	ND	ND	ND	ND	ND	ND
SW 2	1'	80	ND	ND	ND	ND	ND	ND
SW 3	1'	240	ND	ND	ND	ND	ND	49.4
SW 4	1'	240	ND	ND	ND	ND	ND	33.3
SW 5	1'	2320	ND	ND	ND	ND	ND	2110
SW 6	1'	960	ND	34.9	ND	ND	ND	870
SW 7	1'	560	ND	ND	ND	ND	ND	462
SW 8	1'	320	ND	ND	ND	ND	ND	130

Upon receipt of the confirmed sidewall samples, it was agreed between Spur Energy Partners and Hungry Horse, LLC that only 1'bgs would be excavated from the containment. This would maintain the integrity of the tank battery and other production equipment within the containment. Excavation began using shovels and a mini track-hoe when possible. The impacted material was placed across the berm on plastic and stockpiled for haul off. Following excavation an email was sent to NMOCD requesting witnessing of closure samples. Approximately 240 cu.yds. of contaminated material was hauled to Lea Landfill for disposal and approximate 280 yards of clean soil was back-hauled and stockpiled on site. Following expiration of the 48-hour waiting period, closure samples were obtained. The area was divided into two halves, each half had 5 sample points that were then combined into the closure composite sample. Additionally, six sidewall samples were taken. Each sample was titrated on site, jarred and sent to Envirotech Laboratory for confirmation. The table below will illustrate the sample points, composites and the sidewall samples:

Clos Sam ID	Depth	Tit/Chl	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL
SW 1		160	ND	30.3	ND	ND	30.3	46.1
SW 2		160	ND	ND	ND	ND	ND	1260
SW 3		240	ND	ND	ND	ND	ND	2430
SW 4		80	ND	ND	ND	ND	ND	ND
SW 5		240	ND	ND	ND	ND	ND	165
SW 6		400	ND	41.8	ND	ND	41.8	490
NORTH								
SP 1		240	ND	11200	5010	ND	27410	25.1
SP 2		720	ND	3760	1860	ND	5620	ND
SP 3		160	ND	9690	1850	ND	11540	38.3
SP 4		160	ND	4750	1040	ND	5890	ND
SP 5		160	ND	4460	1980	ND	6440	ND

NORTH	COMP.	240	ND	7470	3210	ND	10980	150
SOUTH								
SP1		240	2.63	15600	6220	51.2	21871.2	ND
SP 2		720	ND	3970	1760	ND	5730	ND
SP 3		160	ND	1680	929	ND	2609	ND
SP 4		160	ND	1200	601	ND	1801	134
SP 5		160	ND	403	459	ND	862	147
SOUTH	COMP.	240	0.151	4250	1870	ND	6120	65.4

The sample data above indicates that contamination of the soil is still evident, that falls outside the closure criteria for this site. Therefore, a decision was made to backfill the excavated area and request a deferral of this release for the Folk State #11 Battery. Following receipt of the confirmed closure samples, the site was backfilled with approximately 280 cu. yds. of imported clean soil. The area was then leveled, production lines were stabilized and area was contoured back to its natural state. The berms were replaced to contain any future spills or releases.

SCOPE OF WORK AND LIMITATIONS

The scope of services consisted of the review of Hungry Horse site assessment, delineation and remediation as well as regulatory liaison and preparation of this Closure Report/Deferral by ESS. All work has been performed in accordance with NMOCDC Rules and Regulations for Spills and Releases dated August 14th, 2018 (19.15.29 NMAC).

On behalf of Spur Energy Partners and Energy Staffing & Services, we respectfully request a Deferral of this site. As shown in the Closure Sample Data (table above), some of the sample points and the composite samples are above the levels proscribed in the Closure Criteria for Soils Impacted by a Release at the <50'bgs depth category due to medium karst determination. The tank battery area will require further delineation and remediation once the location is decommissioned, tanks are removed and all other production equipment is removed or relocated. Due to safety precautions, live production lines and electrical sources, it is determined unsafe to compromise the production equipment with further excavation.

The information provided in this report can be used to determine further actions needed at time of abandonment. If you have questions or concerns, please contact me, Natalie Gladden, Director of Environmental and Regulatory Services for Energy Staffing & Services at the contact information listed below.

Sincerely,



Natalie Gladden
Energy Staffing & Services
7 W Compass Road
Artesia, NM 88210

ATTACHMENTS

Initial C-141

Site Map

Groundwater Data

Groundwater Map

Karst Map

Sample Data

Delineation Sample Map w/GPS

Closure Sample Map w/GPS

Laboratory Analytical Data

Photos of Site

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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input 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

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

SPUR ENERGY

FOLK STATE #011 BATTERY
DOR: 6.12.19





New Mexico Office of the State Engineer

Wells with Well Log Information

No wells found.

UTMNAD83 Radius Search (in meters):

Easting (X): 584640.13

Northing (Y): 3633221.11

Radius: 1000

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

2/20/20 10:14 AM

WELLS WITH WELL LOG INFORMATION



New Mexico Office of the State Engineer

Wells with Well Log Information

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(in feet)

		POD			q q q										Log File	Depth	Depth		License
POD Number	Code	Subbasin	County	Source	6416 4	Sec	Tws	Rng	X	Y		Distance	Start Date	Finish Date	Date	Well	Water	Driller	Number
RA 11807 POD1		RA	ED	Shallow	1 2 3	22	17S	29E	587360	3631585	<input type="checkbox"/>	3173	11/23/2012	11/26/2012	03/26/2013	131	76	TAYLOR, CLINTON E.	1348
RA 12307 POD1		RA	ED	Shallow	4 2 2	14	17S	28E	580495	3633981	<input type="checkbox"/>	4214	09/28/2015	09/30/2015	10/07/2015	140	58	CLINTON KEY	1058

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 584640.13

Northing (Y): 3633221.11

Radius: 5000

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

2/20/20 10:15 AM

WELLS WITH WELL LOG INFORMATION



New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
RA 11807	POD1	1	2	3	22	17S	29E	587360	3631585

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

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

Casing Perforations:	Top	Bottom
	91	131



New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
RA 12307 POD1		4	2	2	14	17S	28E	580495	3633981

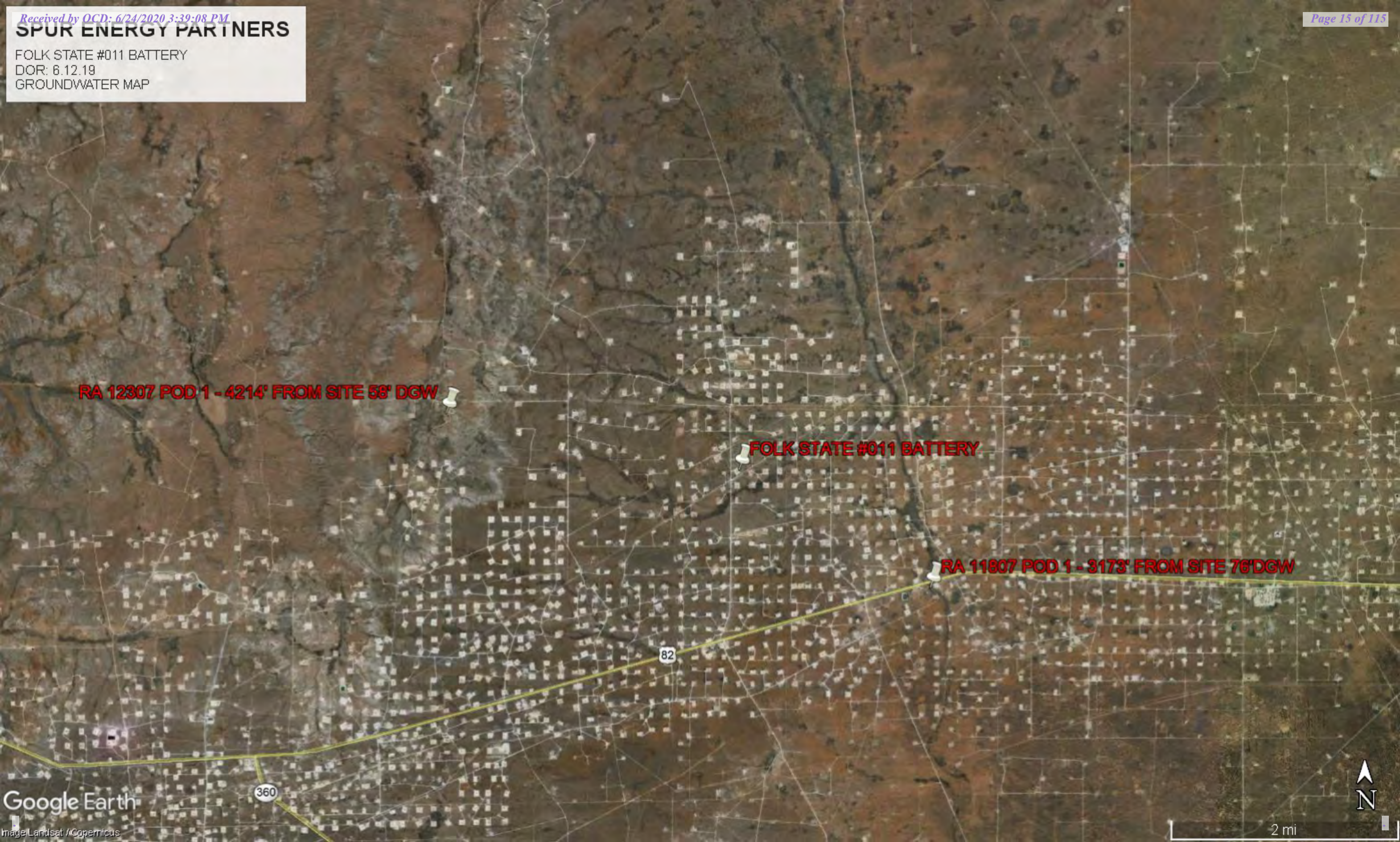
Driller License: 1058	Driller Company: KEY'S DRILLING & PUMP SERVICE	
Driller Name: CLINTON KEY		
Drill Start Date: 09/28/2015	Drill Finish Date: 09/30/2015	Plug Date:
Log File Date: 10/07/2015	PCW Rcv Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 30 GPM
Casing Size: 4.50	Depth Well: 140 feet	Depth Water: 58 feet

Water Bearing Stratifications:	Top	Bottom	Description
	80	100	Shale/Mudstone/Siltstone
	110	120	Sandstone/Gravel/Conglomerate
	120	140	Other/Unknown

Casing Perforations:	Top	Bottom
	120	140

SPUR ENERGY PARTNERS





FOLK STATE #011 BATTERY
DOR: 6.12.19
GROUNDWATER MAP

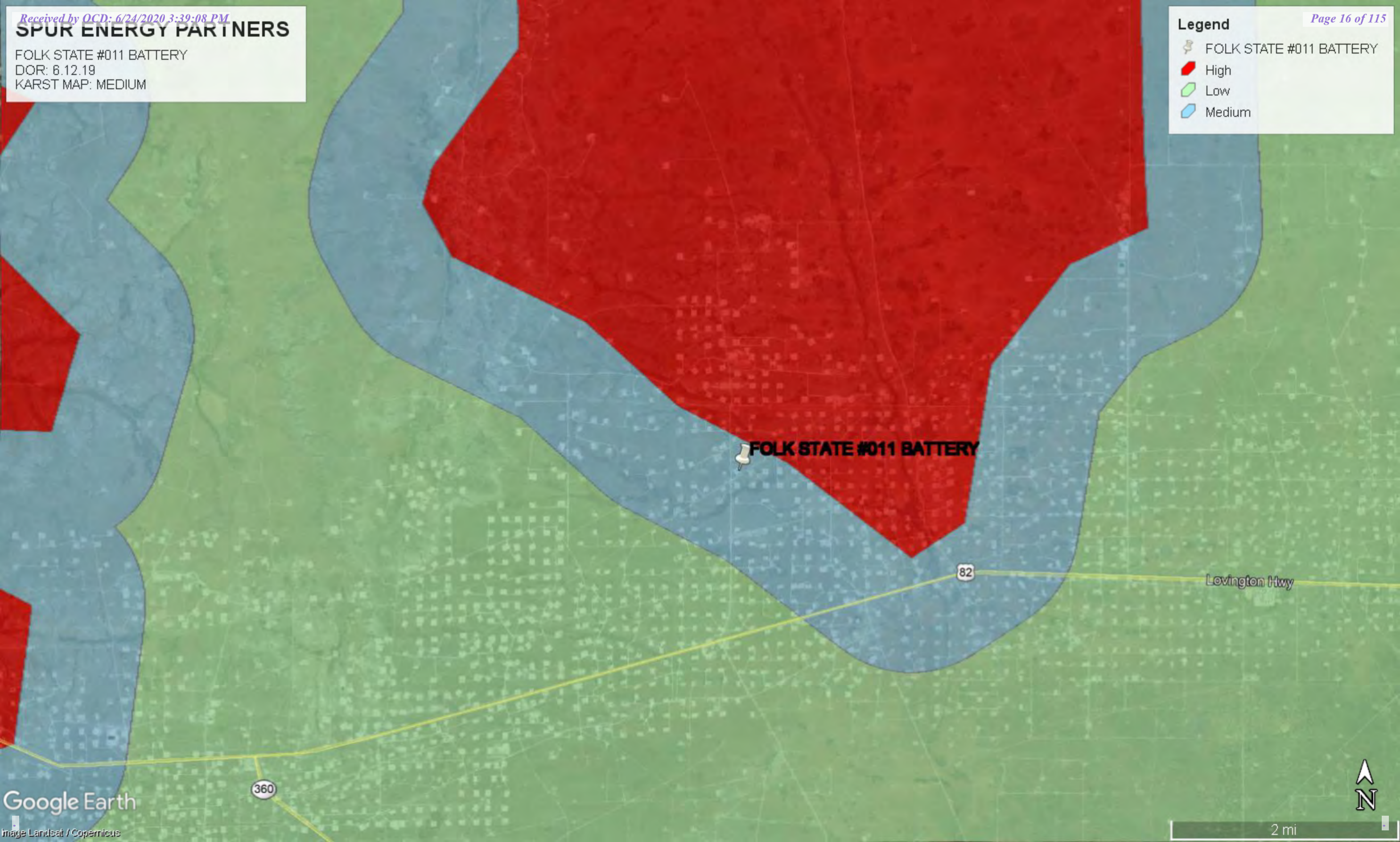


SPUR ENERGY PARTNERS

FOLK STATE #011 BATTERY
DOR: 6.12.19
KARST MAP: MEDIUM

Legend

-  FOLK STATE #011 BATTERY
-  High
-  Low
-  Medium



Company Name: **SPUR**Location Name: **FOLK STATE #011 BTY**Release Date: **6/12/2019**

SP ID	Depth	Tit	PID	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL	Soil	Notes
SP 1	SURF	160	TPH								
	1'	240	TPH								
	2'	400	TPH	8.9	8770	3660	162	12592.00	153		COULDN'T GO DEEPER - ROCK
SP 2	SURF	320	TPH								
	1'	400	TPH								
	2'	320	TPH								
	4'	320	TPH								
	6'	320	TPH	ND	1010	507	ND	1517.00	190		
SP 3	SURF	240	TPH								
	1'	1760	TPH								
	2'	1040	TPH	ND	882	480	ND	1362.00	564		
SP 4	SURF	160	TPH								
	1'	160	TPH								
	2'	160	TPH	0.0951	5210	2460	ND	7670.00	28.1		
SP 5	SURF	240	TPH								
	1'	240	TPH								
	2'	240	TPH								
	4'	240	TPH								
	6'	240	TPH	ND	498	287	ND	785.00	98.7		
SP 6	SURF	160	TPH								
	1'	160	TPH								
	2'	240	TPH								
	4'	240	TPH								
	6'	240	TPH	ND	147	105	ND	252.00	ND		
SP 7	SURF	240	TPH								

[illegible]

SP13	SURF	ND	TPH								
	1'	1440	TPH								
	2'	1200	TPH								
	4'	1440		ND	ND	ND	ND	ND	220		
BG		160		ND	ND	ND	ND	ND	21.3		

SW1	SURF	320									
	1'	160		ND	ND	ND	ND	ND	ND		

SW2	SURF	960									
	1'	80		ND	ND	ND	ND	ND	ND		

SW3	SURF	1050									
	1'	240		ND	ND	ND	ND	ND	49.4		

SW4	SURF	1200									
	1'	240		ND	ND	ND	ND	ND	33.3		

SW5	SURF	3600									
	1'	2320		ND	ND	ND	ND	ND	2110		

SW6	SURF	800									
	1'	960		ND	34.9	ND	ND	ND	870		

SW7	SURF	800									
	1'	560		ND	ND	ND	ND	ND	462		

SW8	SURF	320									
	1'	320		ND	ND	ND	ND	ND	130		

C SW 1		160		ND	30.3	ND	ND	30.30	46.1		
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C SW 2		160		ND	ND	ND	ND	ND	1260		
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C SW 3		240		ND	ND	ND	ND	ND	2430		
C SW 4		80		ND	ND	ND	ND	ND	ND		
C SW 5		240		ND	ND	ND	ND	ND	165		
C SW 6		400		ND	41.8	ND	ND	41.80	490		
NCSP 1		240		ND	11200	5010	ND	27410.00	25.1		
NCSP 2		720		ND	3760	1860	ND	5620.00	ND		
NCSP 3		160		ND	9690	1850	ND	11540.00	38.3		
NCSP 4		160		ND	4750	1040	ND	5890.00	ND		
NCSP 5		160		ND	4460	1980	ND	6440.00	ND		
CP N	COMP	240		ND	7470	3510	ND	10980.00	150		
SCSP1		240		2.63	15600	6220	51.2	21871.20	ND		
SCSP2		720		ND	3970	1760	ND	5730.00	ND		
SCSP3		160		ND	1680	929	ND	2609.00	ND		
SCSP4		160		ND	1200	601	ND	1801.00	134		
SCSP5		160		ND	403	459	ND	862.00	147		
CP S	COMP	240		0.151	4250	1870	ND	6120.00	65.4		



FOLK STATE BATTERY

DOR: 06/12/2019



SIDEWALL GPS

SW1: 32.834216 -104.095874
 SW2: 32.834129 -104.095726
 SW3: 32.833921 -104.095580
 SW4: 32.833689 -104.095408
 SW5: 32.833503 -104.095350
 SW6: 32.833619 -104.095535
 SW7: 32.833878 -104.095720
 SW8: 32.834076 -104.095861

• BG SAMPLE

BACKGROUND GPS
 32.834129 -104.095219

SAMPLE POINT GPS

SP1: 32.834151 -104.095837
 SP2: 32.834086 -104.095826
 SP3: 32.834091 -104.095741
 SP4: 32.833958 -104.095751
 SP5: 32.833938 -104.095655
 SP6: 32.833880 -104.095627
 SP7: 32.833812 -104.095588
 SP8: 32.833689 -104.095545
 SP9: 32.833713 -104.095459
 SP10: 32.833627 -104.095507
 SP11: 32.833625 -104.095407
 SP12: 32.833516 -104.095364

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0 5 10 20 30 40
 Yards

Legend

- Point_generic
- SamplePoint



Spur Energy Partners Folk State 011



CLOSURE SAMPLE MAP

NORTH COMPOSITE SAMPLE GPS

NCSP1: 32.834132 -104.095861

NCSP2: 32.834132 -104.095766

NCSP3: 32.834045 -104.095791

NCSP4: 32.833973 -104.095657

NCSP5: 32.833884 -104.095688

CLOSURE SIDEWALL GPS

CSW1: 32.834219 -104.095887

CSW2: 32.834078 -104.095666

CSW3: 32.833770 -104.095438

CSW4: 32.833494 -104.095346

CSW5: 32.833618 -104.095536

CSW6: 32.834004 -104.095820

SOUTH COMPOSITE SAMPLE GPS:

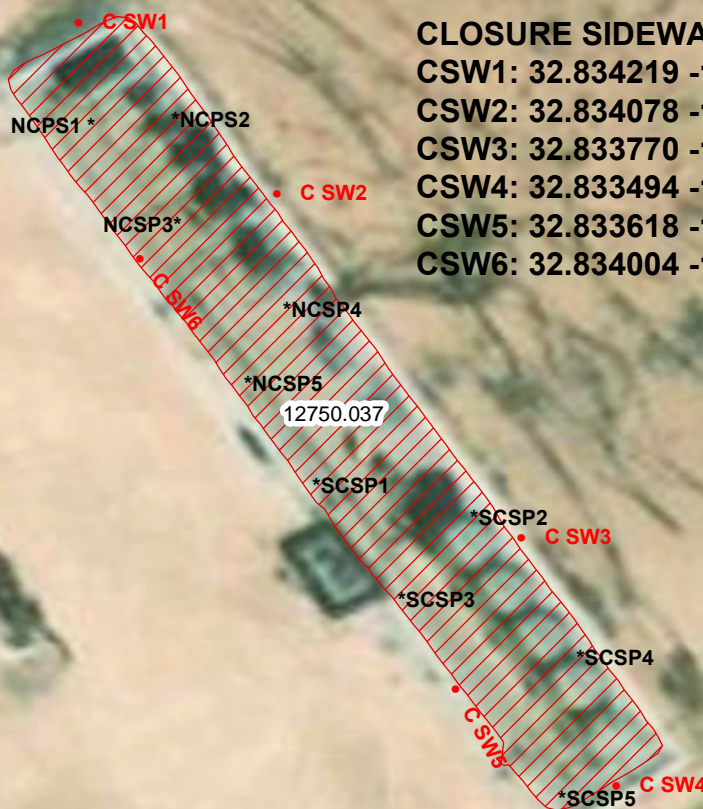
SCSP1: 32.833804 -104.095634

SCSP2: 32.833767 -104.095508

SCSP3: 32.833690 -104.095555

SCSP4: 32.833641 -104.095413

SCSP5: 32.833502 -104.095402



Legend

 Area_generic



Analytical Report

Report Summary

Client: Spur

Samples Received: 3/31/2020

Job Number: 19054-0003

Work Order: P003134

Project Name/Location: Folk State

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue horizontal line.

Date: 4/1/20

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
PO Box 1058
Hobbs NM, 88240

Project Name: Folk State
Project Number: 19054-0003
Project Manager: Natalie Gladden

Reported:
04/01/20 13:23

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1-1'	P003134-01A	Soil	03/28/20	03/31/20	Glass Jar, 4 oz.
SW2-1'	P003134-02A	Soil	03/28/20	03/31/20	Glass Jar, 4 oz.
SW3-1'	P003134-03A	Soil	03/28/20	03/31/20	Glass Jar, 4 oz.
SW4-1'	P003134-04A	Soil	03/28/20	03/31/20	Glass Jar, 4 oz.
SW5-2'	P003134-05A	Soil	03/28/20	03/31/20	Glass Jar, 4 oz.
SW6-1'	P003134-06A	Soil	03/28/20	03/31/20	Glass Jar, 4 oz.
SW7-1'	P003134-07A	Soil	03/28/20	03/31/20	Glass Jar, 4 oz.
SW8-1'	P003134-08A	Soil	03/28/20	03/31/20	Glass Jar, 4 oz.

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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:23

SW1-1'**P003134-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		101 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: Toluene-d8		105 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: Bromofluorobenzene		97.5 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		86.7 %		50-200	2014005	03/31/20	03/31/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		101 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: Toluene-d8		105 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: Bromofluorobenzene		97.5 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2014002	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:23

SW2-1'
P003134-02 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		97.2 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: Toluene-d8		104 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: Bromofluorobenzene		95.7 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		88.4 %		50-200	2014005	03/31/20	03/31/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		97.2 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: Toluene-d8		104 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: Bromofluorobenzene		95.7 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2014002	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:23

SW3-1'
P003134-03 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		99.5 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: Toluene-d8		106 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: Bromofluorobenzene		98.2 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		88.7 %		50-200	2014005	03/31/20	03/31/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		99.5 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: Toluene-d8		106 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: Bromofluorobenzene		98.2 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	49.4	20.0	mg/kg	1	2014002	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:23

SW4-1'
P003134-04 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		97.6 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: Toluene-d8		106 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: Bromofluorobenzene		96.4 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		90.8 %		50-200	2014005	03/31/20	03/31/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		97.6 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: Toluene-d8		106 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: Bromofluorobenzene		96.4 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	33.3	20.0	mg/kg	1	2014002	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:23

SW5-2'
P003134-05 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		105 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: Toluene-d8		106 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: Bromofluorobenzene		100 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		82.4 %		50-200	2014005	03/31/20	03/31/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		105 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: Toluene-d8		106 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: Bromofluorobenzene		100 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	2110	40.0	mg/kg	2	2014002	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:23

SW6-1'**P003134-06 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		98.8 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: Toluene-d8		106 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: Bromofluorobenzene		97.5 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	34.9	25.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		79.9 %		50-200	2014005	03/31/20	03/31/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		98.8 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: Toluene-d8		106 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: Bromofluorobenzene		97.5 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	870	20.0	mg/kg	1	2014002	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:23

SW7-1'
P003134-07 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		96.2 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: Toluene-d8		105 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: Bromofluorobenzene		97.9 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		86.5 %		50-200	2014005	03/31/20	03/31/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		96.2 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: Toluene-d8		105 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: Bromofluorobenzene		97.9 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	462	20.0	mg/kg	1	2014002	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:23

SW8-1'**P003134-08 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		96.8 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: Toluene-d8		107 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: Bromofluorobenzene		99.4 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		85.4 %		50-200	2014005	03/31/20	03/31/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		96.8 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: Toluene-d8		107 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: Bromofluorobenzene		99.4 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	130	20.0	mg/kg	1	2014002	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:23

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 2014007 - Purge and Trap EPA 5030A

Blank (2014007-BLK1)

Prepared: 03/31/20 0 Analyzed: 03/31/20 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	0.525		"	0.500		105	70-130			
Surrogate: Toluene-d8	0.534		"	0.500		107	70-130			
Surrogate: Bromofluorobenzene	0.493		"	0.500		98.5	70-130			

LCS (2014007-BS1)

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Benzene	2.26	0.0250	mg/kg	2.50		90.5	70-130			
Toluene	2.56	0.0250	"	2.50		102	70-130			
Ethylbenzene	2.56	0.0250	"	2.50		102	70-130			
p,m-Xylene	5.08	0.0500	"	5.00		102	70-130			
o-Xylene	2.51	0.0250	"	2.50		100	70-130			
Total Xylenes	7.59	0.0250	"	7.50		101	0-200			
Surrogate: 1,2-Dichloroethane-d4	0.502		"	0.500		100	70-130			
Surrogate: Toluene-d8	0.534		"	0.500		107	70-130			
Surrogate: Bromofluorobenzene	0.493		"	0.500		98.6	70-130			

Matrix Spike (2014007-MS1)

Source: P003134-01

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Benzene	2.32	0.0250	mg/kg	2.50	ND	92.9	48-131			
Toluene	2.58	0.0250	"	2.50	ND	103	48-130			
Ethylbenzene	2.59	0.0250	"	2.50	ND	104	45-135			
p,m-Xylene	5.16	0.0500	"	5.00	ND	103	43-135			
o-Xylene	2.56	0.0250	"	2.50	ND	103	43-135			
Total Xylenes	7.72	0.0250	"	7.50	ND	103	0-200			
Surrogate: 1,2-Dichloroethane-d4	0.533		"	0.500		107	70-130			
Surrogate: Toluene-d8	0.538		"	0.500		108	70-130			
Surrogate: Bromofluorobenzene	0.490		"	0.500		98.0	70-130			

Matrix Spike Dup (2014007-MSD1)

Source: P003134-01

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Benzene	2.31	0.0250	mg/kg	2.50	ND	92.3	48-131	0.626	23	
Toluene	2.54	0.0250	"	2.50	ND	102	48-130	1.35	24	
Ethylbenzene	2.54	0.0250	"	2.50	ND	102	45-135	1.97	27	
p,m-Xylene	5.09	0.0500	"	5.00	ND	102	43-135	1.39	27	
o-Xylene	2.52	0.0250	"	2.50	ND	101	43-135	1.93	27	
Total Xylenes	7.60	0.0250	"	7.50	ND	101	0-200	1.57	200	
Surrogate: 1,2-Dichloroethane-d4	0.505		"	0.500		101	70-130			
Surrogate: Toluene-d8	0.519		"	0.500		104	70-130			
Surrogate: Bromofluorobenzene	0.489		"	0.500		97.8	70-130			

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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:23

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 2014005 - DRO Extraction EPA 3570

Blank (2014005-BLK1)

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	51.0		"	50.0		102	50-200			

LCS (2014005-BS1)

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Diesel Range Organics (C10-C28)	457	25.0	mg/kg	500		91.3	38-132			
Surrogate: n-Nonane	48.5		"	50.0		97.0	50-200			

Matrix Spike (2014005-MS1)

Source: P003132-01

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Diesel Range Organics (C10-C28)	452	25.0	mg/kg	500	ND	90.5	38-132			
Surrogate: n-Nonane	49.0		"	50.0		97.9	50-200			

Matrix Spike Dup (2014005-MSD1)

Source: P003132-01

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Diesel Range Organics (C10-C28)	444	25.0	mg/kg	500	ND	88.8	38-132	1.90	20	
Surrogate: n-Nonane	47.7		"	50.0		95.4	50-200			

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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:23

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 2014007 - Purge and Trap EPA 5030A

Blank (2014007-BLK1)

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	0.525		"	0.500		105	70-130			
Surrogate: Toluene-d8	0.534		"	0.500		107	70-130			
Surrogate: Bromofluorobenzene	0.493		"	0.500		98.5	70-130			

LCS (2014007-BS2)

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Gasoline Range Organics (C6-C10)	53.6	20.0	mg/kg	50.0		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		"	0.500		102	70-130			
Surrogate: Toluene-d8	0.542		"	0.500		108	70-130			
Surrogate: Bromofluorobenzene	0.477		"	0.500		95.3	70-130			

Matrix Spike (2014007-MS2)

Source: P003134-01

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Gasoline Range Organics (C6-C10)	52.3	20.0	mg/kg	50.0	ND	105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		"	0.500		95.7	70-130			
Surrogate: Toluene-d8	0.540		"	0.500		108	70-130			
Surrogate: Bromofluorobenzene	0.497		"	0.500		99.3	70-130			

Matrix Spike Dup (2014007-MSD2)

Source: P003134-01

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Gasoline Range Organics (C6-C10)	50.5	20.0	mg/kg	50.0	ND	101	70-130	3.50	20	
Surrogate: 1,2-Dichloroethane-d4	0.498		"	0.500		99.5	70-130			
Surrogate: Toluene-d8	0.537		"	0.500		107	70-130			
Surrogate: Bromofluorobenzene	0.491		"	0.500		98.1	70-130			

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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:23

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 2014002 - Anion Extraction EPA 300.0/9056A**Blank (2014002-BLK1)**

Prepared & Analyzed: 03/31/20 0

Chloride ND 20.0 mg/kg

LCS (2014002-BS1)

Prepared & Analyzed: 03/31/20 0

Chloride 240 20.0 mg/kg 250 95.9 90-110

Matrix Spike (2014002-MS1)

Source: P003132-01

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Chloride 247 20.0 mg/kg 250 ND 98.8 80-120

Matrix Spike Dup (2014002-MSD1)

Source: P003132-01

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Chloride 248 20.0 mg/kg 250 ND 99.1 80-120 0.295 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.

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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:23

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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Client: <u>SPUR</u>				Bill To				Lab Use Only				TAT		EPA Program					
Project: <u>FOIK State</u>				Attention:				Lab WO#		Job Number		1D	3D	RCRA	CWA	SDWA			
Project Manager:				Address:				Analysis and Method								State			
Address:				City, State, Zip				DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC - NM	BDOC - TX	NM	CO	UT	AZ
City, State, Zip				Phone:												TX	OK		
Email: <u>Natalie</u>				Email: <u>Natalie</u>															
Report due by:																			
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number													Remarks	
	3-28-20	S	1	SW1-1'	1										X				
				SW2-1'	2														
				SW3-1'	3														
				SW4-1'	4														
	3-29-20			SW5-2'	5														
	3-28-20			SW6-1'	6														
				SW7-1'	7														
				SW8-1'	8														
Additional Instructions:																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only							
<u>[Signature]</u>		3/30/20		1405		<u>[Signature]</u>		3-30-2020		1405		Received on ice: <u>Y</u> / N							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1							
<u>[Signature]</u>		3-30-2020		1640		<u>Rain Lopez</u>		3/31/20		9:30		T2							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T3							
<u>[Signature]</u>												AVG Temp °C <u>4</u>							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



Analytical Report

Report Summary

Client: Spur

Samples Received: 3/31/2020

Job Number: 19054-0003

Work Order: P003135

Project Name/Location: Folk State

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue horizontal line.

Date: 4/1/20

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:	Folk State	Reported: 04/01/20 15:58
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
SP1-6'	P003135-01A	Soil	03/30/20	03/31/20	Glass Jar, 4 oz.
SP2-6'	P003135-02A	Soil	03/30/20	03/31/20	Glass Jar, 4 oz.
SP3-2'	P003135-03A	Soil	03/30/20	03/31/20	Glass Jar, 4 oz.
SP4-2'	P003135-04A	Soil	03/30/20	03/31/20	Glass Jar, 4 oz.
SP5-6'	P003135-05A	Soil	03/30/20	03/31/20	Glass Jar, 4 oz.
SP6-6'	P003135-06A	Soil	03/30/20	03/31/20	Glass Jar, 4 oz.
SP7-6'	P003135-07A	Soil	03/30/20	03/31/20	Glass Jar, 4 oz.
SP8-6'	P003135-08A	Soil	03/30/20	03/31/20	Glass Jar, 4 oz.
SP9-6'	P003135-09A	Soil	03/30/20	03/31/20	Glass Jar, 4 oz.
SP10-6'	P003135-10A	Soil	03/30/20	03/31/20	Glass Jar, 4 oz.
SP11-6'	P003135-11A	Soil	03/30/20	03/31/20	Glass Jar, 4 oz.
SP12-4'	P003135-12A	Soil	03/30/20	03/31/20	Glass Jar, 4 oz.
SP13-4'	P003135-13A	Soil	03/30/20	03/31/20	Glass Jar, 4 oz.
Background	P003135-14A	Soil	03/30/20	03/31/20	Glass Jar, 4 oz.

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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 15:58

SP1-6'
P003135-01 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	0.138	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	0.991	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	1.96	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	5.26	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	3.64	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	8.90	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		<i>125 %</i>		<i>50-150</i>	<i>2014006</i>	<i>03/31/20</i>	<i>03/31/20</i>	<i>EPA 8021B</i>	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	8770	500	mg/kg	20	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	3660	1000	mg/kg	20	2014004	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>208 %</i>		<i>50-200</i>	<i>2014004</i>	<i>03/31/20</i>	<i>03/31/20</i>	<i>EPA 8015D</i>	<i>S5</i>

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	162	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		<i>106 %</i>		<i>50-150</i>	<i>2014006</i>	<i>03/31/20</i>	<i>03/31/20</i>	<i>EPA 8015D</i>	

Anions by 300.0/9056A

Chloride	153	100	mg/kg	5	2014003	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 15:58

SP2-6'
P003135-02 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %		50-150	2014006	03/31/20	03/31/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	1010	125	mg/kg	5	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	507	250	mg/kg	5	2014004	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		106 %		50-200	2014004	03/31/20	03/31/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.6 %		50-150	2014006	03/31/20	03/31/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	190	20.0	mg/kg	1	2014003	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 15:58

SP3-2'
P003135-03 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %		50-150	2014006	03/31/20	03/31/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	882	125	mg/kg	5	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	480	250	mg/kg	5	2014004	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		109 %		50-200	2014004	03/31/20	03/31/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.2 %		50-150	2014006	03/31/20	03/31/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	564	20.0	mg/kg	1	2014003	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 15:58

SP4-2'
P003135-04 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	0.0739	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	0.0698	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	0.0253	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	0.0951	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		<i>107 %</i>		<i>50-150</i>	<i>2014006</i>	<i>03/31/20</i>	<i>03/31/20</i>	<i>EPA 8021B</i>	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	5210	500	mg/kg	20	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	2460	1000	mg/kg	20	2014004	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>111 %</i>		<i>50-200</i>	<i>2014004</i>	<i>03/31/20</i>	<i>03/31/20</i>	<i>EPA 8015D</i>	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		<i>91.0 %</i>		<i>50-150</i>	<i>2014006</i>	<i>03/31/20</i>	<i>03/31/20</i>	<i>EPA 8015D</i>	

Anions by 300.0/9056A

Chloride	28.1	20.0	mg/kg	1	2014003	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 15:58

SP5-6'
P003135-05 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %		50-150	2014006	03/31/20	03/31/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	498	50.0	mg/kg	2	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	287	100	mg/kg	2	2014004	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		108 %		50-200	2014004	03/31/20	03/31/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.8 %		50-150	2014006	03/31/20	03/31/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	98.7	20.0	mg/kg	1	2014003	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 15:58

SP6-6'
P003135-06 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %		50-150	2014006	03/31/20	03/31/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	147	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	105	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		93.4 %		50-200	2014004	03/31/20	03/31/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.5 %		50-150	2014006	03/31/20	03/31/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	40.0	mg/kg	2	2014003	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 15:58

SP7-6'
P003135-07 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %		50-150	2014006	03/31/20	03/31/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	386	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	231	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		109 %		50-200	2014004	03/31/20	03/31/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.9 %		50-150	2014006	03/31/20	03/31/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	33.7	20.0	mg/kg	1	2014003	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 15:58

SP8-6'
P003135-08 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %		50-150	2014006	03/31/20	03/31/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		86.6 %		50-200	2014004	03/31/20	03/31/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.6 %		50-150	2014006	03/31/20	03/31/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	100	mg/kg	5	2014003	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 15:58

SP9-6'
P003135-09 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		<i>104 %</i>		<i>50-150</i>	<i>2014006</i>	<i>03/31/20</i>	<i>03/31/20</i>	<i>EPA 8021B</i>	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>84.2 %</i>		<i>50-200</i>	<i>2014004</i>	<i>03/31/20</i>	<i>03/31/20</i>	<i>EPA 8015D</i>	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		<i>87.2 %</i>		<i>50-150</i>	<i>2014006</i>	<i>03/31/20</i>	<i>03/31/20</i>	<i>EPA 8015D</i>	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2014003	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 15:58

SP10-6'
P003135-10 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		<i>103 %</i>		<i>50-150</i>	<i>2014006</i>	<i>03/31/20</i>	<i>03/31/20</i>	<i>EPA 8021B</i>	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	46.2	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>101 %</i>		<i>50-200</i>	<i>2014004</i>	<i>03/31/20</i>	<i>03/31/20</i>	<i>EPA 8015D</i>	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		<i>86.9 %</i>		<i>50-150</i>	<i>2014006</i>	<i>03/31/20</i>	<i>03/31/20</i>	<i>EPA 8015D</i>	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2014003	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 15:58

SP11-6'
P003135-11 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %		50-150	2014006	03/31/20	03/31/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		82.5 %		50-200	2014004	03/31/20	03/31/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.1 %		50-150	2014006	03/31/20	03/31/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	135	20.0	mg/kg	1	2014003	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 15:58

SP12-4'
P003135-12 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %		50-150	2014006	03/31/20	03/31/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		90.6 %		50-200	2014004	03/31/20	03/31/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.2 %		50-150	2014006	03/31/20	03/31/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	266	20.0	mg/kg	1	2014003	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 15:58

SP13-4'
P003135-13 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %		50-150	2014006	03/31/20	03/31/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		86.3 %		50-200	2014004	03/31/20	03/31/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.5 %		50-150	2014006	03/31/20	03/31/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	220	20.0	mg/kg	1	2014003	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 15:58

Background
P003135-14 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %		50-150	2014006	03/31/20	03/31/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		94.5 %		50-200	2014004	03/31/20	03/31/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.8 %		50-150	2014006	03/31/20	03/31/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	21.3	20.0	mg/kg	1	2014003	03/31/20	03/31/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State	Reported: 04/01/20 15:58
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	

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 2014006 - Purge and Trap EPA 5030A**Blank (2014006-BLK1)**

Prepared: 03/31/20 0 Analyzed: 03/31/20 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: 4-Bromochlorobenzene-PID	8.31		"	8.00		104	50-150			
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LCS (2014006-BS1)

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Benzene	5.06	0.0250	mg/kg	5.00		101	70-130			
Toluene	5.09	0.0250	"	5.00		102	70-130			
Ethylbenzene	5.10	0.0250	"	5.00		102	70-130			
p,m-Xylene	10.2	0.0500	"	10.0		102	70-130			
o-Xylene	5.11	0.0250	"	5.00		102	70-130			
Total Xylenes	15.3	0.0250	"	15.0		102	0-200			

Surrogate: 4-Bromochlorobenzene-PID	8.53		"	8.00		107	50-150			
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Matrix Spike (2014006-MS1)

Source: P003133-01

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Benzene	4.80	0.0250	mg/kg	5.00	ND	96.0	54.3-133			
Toluene	4.82	0.0250	"	5.00	ND	96.3	61.4-130			
Ethylbenzene	4.81	0.0250	"	5.00	ND	96.1	61.4-133			
p,m-Xylene	9.60	0.0500	"	10.0	ND	96.0	63.3-131			
o-Xylene	4.83	0.0250	"	5.00	ND	96.6	63.3-131			
Total Xylenes	14.4	0.0250	"	15.0	ND	96.2	0-200			

Surrogate: 4-Bromochlorobenzene-PID	8.38		"	8.00		105	50-150			
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Matrix Spike Dup (2014006-MSD1)

Source: P003133-01

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Benzene	4.97	0.0250	mg/kg	5.00	ND	99.4	54.3-133	3.49	20	
Toluene	4.97	0.0250	"	5.00	ND	99.4	61.4-130	3.17	20	
Ethylbenzene	4.96	0.0250	"	5.00	ND	99.2	61.4-133	3.17	20	
p,m-Xylene	9.90	0.0500	"	10.0	ND	99.0	63.3-131	3.10	20	
o-Xylene	4.98	0.0250	"	5.00	ND	99.6	63.3-131	3.06	20	
Total Xylenes	14.9	0.0250	"	15.0	ND	99.2	0-200	3.09	200	

Surrogate: 4-Bromochlorobenzene-PID	8.42		"	8.00		105	50-150			
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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 15:58

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 2014004 - DRO Extraction EPA 3570

Blank (2014004-BLK1)

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	51.0		"	50.0		102	50-200			

LCS (2014004-BS1)

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Diesel Range Organics (C10-C28)	443	25.0	mg/kg	500		88.6	38-132			
Surrogate: n-Nonane	46.9		"	50.0		93.9	50-200			

Matrix Spike (2014004-MS1)

Source: P003133-01

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Diesel Range Organics (C10-C28)	468	25.0	mg/kg	500	ND	93.6	38-132			
Surrogate: n-Nonane	47.3		"	50.0		94.7	50-200			

Matrix Spike Dup (2014004-MSD1)

Source: P003133-01

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Diesel Range Organics (C10-C28)	490	25.0	mg/kg	500	ND	98.0	38-132	4.55	20	
Surrogate: n-Nonane	48.7		"	50.0		97.3	50-200			

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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 15:58

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 2014006 - Purge and Trap EPA 5030A

Blank (2014006-BLK1)

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		"	8.00		91.9	50-150			

LCS (2014006-BS2)

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Gasoline Range Organics (C6-C10)	44.7	20.0	mg/kg	50.0		89.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		"	8.00		92.2	50-150			

Matrix Spike (2014006-MS2)

Source: P003133-01

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Gasoline Range Organics (C6-C10)	45.3	20.0	mg/kg	50.0	ND	90.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		"	8.00		91.9	50-150			

Matrix Spike Dup (2014006-MSD2)

Source: P003133-01

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Gasoline Range Organics (C6-C10)	44.7	20.0	mg/kg	50.0	ND	89.5	70-130	1.25	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		"	8.00		92.3	50-150			

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Spur	Project Name:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 15:58

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 2014003 - Anion Extraction EPA 300.0/9056A**Blank (2014003-BLK1)**

Prepared & Analyzed: 03/31/20 0

Chloride	ND	20.0	mg/kg
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LCS (2014003-BS1)

Prepared & Analyzed: 03/31/20 0

Chloride	235	20.0	mg/kg	250	93.8	90-110
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Matrix Spike (2014003-MS1)**Source: P003131-01**

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Chloride	508	20.0	mg/kg	250	252	102	80-120
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Matrix Spike Dup (2014003-MSD1)**Source: P003131-01**

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Chloride	509	20.0	mg/kg	250	252	103	80-120	0.289	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:	Folk State	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 15:58

Notes and Definitions

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

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: <u>SPUR</u>				Bill To				Lab Use Only				TAT		EPA Program							
Project: <u>Folk State</u>				Attention:				Lab WO# <u>P003135</u>		Job Number <u>19054-0003</u>		1D <input checked="" type="checkbox"/> 3D <input type="checkbox"/>		RCRA		CWA		SDWA			
Project Manager:				Address:				Analysis and Method										State			
Address:				City, State, Zip														NM CO UT AZ			
City, State, Zip				Phone:														TX OK			
Phone:				Email: <u>Natalie</u>																	
Report due by:																					
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							
		<u>S</u>	<u>1</u>	<u>SP1-6'</u>	<u>1</u>							<u>X</u>									
		<u> </u>	<u> </u>	<u>SP2-6'</u>	<u>2</u>																
		<u> </u>	<u> </u>	<u>SP3-2'</u>	<u>3</u>																
		<u> </u>	<u> </u>	<u>SP4-2'</u>	<u>4</u>																
		<u> </u>	<u> </u>	<u>SP5-6'</u>	<u>5</u>																
		<u> </u>	<u> </u>	<u>SP6-6'</u>	<u>6</u>																
		<u> </u>	<u> </u>	<u>SP7-6'</u>	<u>7</u>																
		<u> </u>	<u> </u>	<u>SP8-6'</u>	<u>8</u>																
		<u> </u>	<u> </u>	<u>SP9-6'</u>	<u>9</u>																
		<u> </u>	<u> </u>	<u>SP10-6'</u>	<u>10</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)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only									
<u>Kelly Hwang</u>		<u>3/30/20</u>		<u>14:05</u>		<u>[Signature]</u>		<u>3.30.20</u>		<u>1405</u>		Received on ice: <u>Y</u> / N									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3									
<u>[Signature]</u>		<u>3.30.2020</u>		<u>1640</u>		<u>Rainer Lopez</u>		<u>3/31/20</u>		<u>9:30</u>											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C <u>4</u>									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

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



Analytical Report

Report Summary

Client: Spur

Samples Received: 4/6/2020

Job Number: 19054-0003

Work Order: P004015

Project Name/Location: Folk State Bty

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue horizontal line.

Date: 4/7/20

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:	Folk State Bty	Reported: 04/07/20 12:04
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
Comp South - SP1	P004015-01A	Soil	03/31/20	04/06/20	Glass Jar, 4 oz.
Comp South - SP2	P004015-02A	Soil	03/31/20	04/06/20	Glass Jar, 4 oz.
Comp South - SP3	P004015-03A	Soil	03/31/20	04/06/20	Glass Jar, 4 oz.
Comp South - SP4	P004015-04A	Soil	03/31/20	04/06/20	Glass Jar, 4 oz.
Comp South - SP5	P004015-05A	Soil	03/31/20	04/06/20	Glass Jar, 4 oz.
Comp South	P004015-06A	Soil	03/31/20	04/06/20	Glass Jar, 4 oz.

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Spur	Project Name:	Folk State Bty	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/07/20 12:04

**Comp South - SP1
P004015-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Toluene	0.125	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Ethylbenzene	0.759	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
p,m-Xylene	1.39	0.0500	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
o-Xylene	1.25	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Total Xylenes	2.63	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		<i>123 %</i>		<i>50-150</i>	<i>2015001</i>	<i>04/06/20</i>	<i>04/06/20</i>	<i>EPA 8021B</i>	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	15600	1250	mg/kg	50	2015002	04/06/20	04/06/20	EPA 8015D	
Oil Range Organics (C28-C40)	6220	2500	mg/kg	50	2015002	04/06/20	04/06/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>162 %</i>		<i>50-200</i>	<i>2015002</i>	<i>04/06/20</i>	<i>04/06/20</i>	<i>EPA 8015D</i>	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	51.2	20.0	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		<i>92.1 %</i>		<i>50-150</i>	<i>2015001</i>	<i>04/06/20</i>	<i>04/06/20</i>	<i>EPA 8015D</i>	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2015003	04/06/20	04/06/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State Bty	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/07/20 12:04

**Comp South - SP2
P004015-02 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Ethylbenzene	0.0543	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		<i>110 %</i>		<i>50-150</i>	<i>2015001</i>	<i>04/06/20</i>	<i>04/06/20</i>	<i>EPA 8021B</i>	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	3970	500	mg/kg	20	2015002	04/06/20	04/06/20	EPA 8015D	
Oil Range Organics (C28-C40)	1760	1000	mg/kg	20	2015002	04/06/20	04/06/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>100 %</i>		<i>50-200</i>	<i>2015002</i>	<i>04/06/20</i>	<i>04/06/20</i>	<i>EPA 8015D</i>	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		<i>92.1 %</i>		<i>50-150</i>	<i>2015001</i>	<i>04/06/20</i>	<i>04/06/20</i>	<i>EPA 8015D</i>	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2015003	04/06/20	04/06/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State Bty	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/07/20 12:04

Comp South - SP3**P004015-03 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %		50-150	2015001	04/06/20	04/06/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	1680	125	mg/kg	5	2015002	04/06/20	04/06/20	EPA 8015D	
Oil Range Organics (C28-C40)	929	250	mg/kg	5	2015002	04/06/20	04/06/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		107 %		50-200	2015002	04/06/20	04/06/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %		50-150	2015001	04/06/20	04/06/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	20.8	20.0	mg/kg	1	2015003	04/06/20	04/06/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State Bty	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/07/20 12:04

**Comp South - SP4
P004015-04 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %		50-150	2015001	04/06/20	04/06/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	1200	50.0	mg/kg	2	2015002	04/06/20	04/06/20	EPA 8015D	
Oil Range Organics (C28-C40)	601	100	mg/kg	2	2015002	04/06/20	04/06/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		106 %		50-200	2015002	04/06/20	04/06/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.9 %		50-150	2015001	04/06/20	04/06/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	134	20.0	mg/kg	1	2015003	04/06/20	04/06/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State Bty	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/07/20 12:04

Comp South - SP5**P004015-05 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %		50-150	2015001	04/06/20	04/06/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	503	125	mg/kg	5	2015002	04/06/20	04/06/20	EPA 8015D	
Oil Range Organics (C28-C40)	459	250	mg/kg	5	2015002	04/06/20	04/06/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		99.6 %		50-200	2015002	04/06/20	04/06/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %		50-150	2015001	04/06/20	04/06/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	147	20.0	mg/kg	1	2015003	04/06/20	04/06/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State Bty	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/07/20 12:04

Comp South
P004015-06 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Ethylbenzene	0.154	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
p,m-Xylene	0.0624	0.0500	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
o-Xylene	0.0888	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Total Xylenes	0.151	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		<i>111 %</i>		<i>50-150</i>	<i>2015001</i>	<i>04/06/20</i>	<i>04/06/20</i>	<i>EPA 8021B</i>	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	4250	250	mg/kg	10	2015002	04/06/20	04/06/20	EPA 8015D	
Oil Range Organics (C28-C40)	1870	500	mg/kg	10	2015002	04/06/20	04/06/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>109 %</i>		<i>50-200</i>	<i>2015002</i>	<i>04/06/20</i>	<i>04/06/20</i>	<i>EPA 8015D</i>	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		<i>92.5 %</i>		<i>50-150</i>	<i>2015001</i>	<i>04/06/20</i>	<i>04/06/20</i>	<i>EPA 8015D</i>	

Anions by 300.0/9056A

Chloride	65.4	20.0	mg/kg	1	2015003	04/06/20	04/06/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State Bty	Reported: 04/07/20 12:04
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	

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 2015001 - Purge and Trap EPA 5030A**Blank (2015001-BLK1)**

Prepared: 04/06/20 0 Analyzed: 04/06/20 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: 4-Bromochlorobenzene-PID	8.69		"	8.00		109	50-150			

LCS (2015001-BS1)

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Benzene	4.52	0.0250	mg/kg	5.00		90.3	70-130			
Toluene	4.62	0.0250	"	5.00		92.5	70-130			
Ethylbenzene	4.66	0.0250	"	5.00		93.2	70-130			
p,m-Xylene	9.33	0.0500	"	10.0		93.3	70-130			
o-Xylene	4.71	0.0250	"	5.00		94.3	70-130			
Total Xylenes	14.0	0.0250	"	15.0		93.6	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.50		"	8.00		106	50-150			

Matrix Spike (2015001-MS1)

Source: P004013-01

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Benzene	4.74	0.0250	mg/kg	5.00	ND	94.7	54.3-133			
Toluene	4.85	0.0250	"	5.00	ND	97.1	61.4-130			
Ethylbenzene	4.89	0.0250	"	5.00	ND	97.9	61.4-133			
p,m-Xylene	9.78	0.0500	"	10.0	ND	97.8	63.3-131			
o-Xylene	4.92	0.0250	"	5.00	ND	98.4	63.3-131			
Total Xylenes	14.7	0.0250	"	15.0	ND	98.0	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.69		"	8.00		109	50-150			

Matrix Spike Dup (2015001-MSD1)

Source: P004013-01

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Benzene	4.74	0.0250	mg/kg	5.00	ND	94.7	54.3-133	0.0243	20	
Toluene	4.83	0.0250	"	5.00	ND	96.7	61.4-130	0.422	20	
Ethylbenzene	4.87	0.0250	"	5.00	ND	97.4	61.4-133	0.495	20	
p,m-Xylene	9.72	0.0500	"	10.0	ND	97.2	63.3-131	0.591	20	
o-Xylene	4.90	0.0250	"	5.00	ND	97.9	63.3-131	0.430	20	
Total Xylenes	14.6	0.0250	"	15.0	ND	97.5	0-200	0.537	200	
Surrogate: 4-Bromochlorobenzene-PID	8.44		"	8.00		106	50-150			

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Spur	Project Name:	Folk State Bty	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/07/20 12:04

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 2015002 - DRO Extraction EPA 3570

Blank (2015002-BLK1)

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	46.4		"	50.0		92.8	50-200			

LCS (2015002-BS1)

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Diesel Range Organics (C10-C28)	411	25.0	mg/kg	500		82.3	38-132			
Surrogate: n-Nonane	46.4		"	50.0		92.8	50-200			

Matrix Spike (2015002-MS1)

Source: P004013-01

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Diesel Range Organics (C10-C28)	438	25.0	mg/kg	500	ND	87.6	38-132			
Surrogate: n-Nonane	44.3		"	50.0		88.6	50-200			

Matrix Spike Dup (2015002-MSD1)

Source: P004013-01

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Diesel Range Organics (C10-C28)	437	25.0	mg/kg	500	ND	87.3	38-132	0.278	20	
Surrogate: n-Nonane	46.4		"	50.0		92.9	50-200			

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Spur	Project Name:	Folk State Bty	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/07/20 12:04

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 2015001 - Purge and Trap EPA 5030A

Blank (2015001-BLK1)

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		"	8.00		93.0	50-150			

LCS (2015001-BS2)

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Gasoline Range Organics (C6-C10)	45.3	20.0	mg/kg	50.0		90.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		"	8.00		91.8	50-150			

Matrix Spike (2015001-MS2)

Source: P004013-01

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Gasoline Range Organics (C6-C10)	46.9	20.0	mg/kg	50.0	ND	93.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		"	8.00		93.8	50-150			

Matrix Spike Dup (2015001-MSD2)

Source: P004013-01

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Gasoline Range Organics (C6-C10)	46.5	20.0	mg/kg	50.0	ND	93.1	70-130	0.794	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		"	8.00		93.9	50-150			

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Spur	Project Name:	Folk State Bty	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/07/20 12:04

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 2015003 - Anion Extraction EPA 300.0/9056A**Blank (2015003-BLK1)**

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Chloride	ND	20.0	mg/kg							
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LCS (2015003-BS1)

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Chloride	253	20.0	mg/kg	250		101	90-110			
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Matrix Spike (2015003-MS1)**Source: P004013-01**

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Chloride	596	20.0	mg/kg	250	295	120	80-120			
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Matrix Spike Dup (2015003-MSD1)**Source: P004013-01**

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Chloride	607	20.0	mg/kg	250	295	125	80-120	1.75	20	M2
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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:	Folk State Bty	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/07/20 12:04

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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Client: <u>Sper Energy</u>				Bill To				Lab Use Only				TAT		EPA Program							
Project: <u>Folk State Bldg</u>				Attention: <u>Whale Gladden</u>				Lab WO# <u>P004015</u>				Job Number <u>19054-0003</u>		1D <input checked="" type="checkbox"/> 3D <input type="checkbox"/>		RCRA		CWA		SDWA	
Project Manager: <u>W. Gladden</u>				Address: <u>4024 Pharis Hwy</u>				Analysis and Method												State	
Address:				City, State, Zip																	
City, State, Zip				Phone: <u>390-4397</u>																	
Phone:				Email: <u>nygladden@</u>																	
Email:				<u>ape hungry-horse.com</u>																	
Report due by:																					

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
	3/31	soil	5	Camp South - SP1	1																
	3/31			Camp South - SP2	2																
				Camp South - SP3	3																
				Camp South - SP4	4																
				Camp South - SP5	5																
				Camp South	6																

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>Whale Gladden</u>	Date <u>4/3/20</u>	Time <u>11:50</u>	Received by: (Signature) <u>_____</u>	Date <u>4-3-2020</u>	Time <u>11:50</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>_____</u>	Date <u>4-3-2020</u>	Time <u>1420</u>	Received by: (Signature) <u>_____</u>	Date <u>4/6/20</u>	Time <u>7:30</u>	
Relinquished by: (Signature) <u>_____</u>	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: 4/9/2020

Job Number: 19054-0003

Work Order: P004024

Project Name/Location: Folk State SWD

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue horizontal line.

Date: 4/10/20

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:	Folk State SWD	Reported: 04/10/20 11:17
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Kenny Kidd	

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Composite North SP1	P004024-01A	Soil	04/02/20	04/09/20	Glass Jar, 4 oz.
Composite North SP2	P004024-02A	Soil	04/02/20	04/09/20	Glass Jar, 4 oz.
Composite North SP3	P004024-03A	Soil	04/02/20	04/09/20	Glass Jar, 4 oz.
Composite North SP4	P004024-04A	Soil	04/02/20	04/09/20	Glass Jar, 4 oz.
Composite North SP5	P004024-05A	Soil	04/02/20	04/09/20	Glass Jar, 4 oz.
Composite North	P004024-06A	Soil	04/02/20	04/09/20	Glass Jar, 4 oz.
CSW1	P004024-07A	Soil	04/02/20	04/09/20	Glass Jar, 4 oz.
CSW2	P004024-08A	Soil	04/02/20	04/09/20	Glass Jar, 4 oz.
CSW3	P004024-09A	Soil	04/02/20	04/09/20	Glass Jar, 4 oz.
CSW4	P004024-10A	Soil	04/02/20	04/09/20	Glass Jar, 4 oz.
CSW5	P004024-11A	Soil	04/02/20	04/09/20	Glass Jar, 4 oz.
CSW6	P004024-12A	Soil	04/02/20	04/09/20	Glass Jar, 4 oz.

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Spur	Project Name:	Folk State SWD	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/10/20 11:17

**Composite North SP1
P004024-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		93.1 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Toluene-d8		105 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Bromofluorobenzene		99.9 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	11200	1250	mg/kg	50	2015016	04/09/20	04/09/20	EPA 8015D	
Oil Range Organics (C28-C40)	5010	2500	mg/kg	50	2015016	04/09/20	04/09/20	EPA 8015D	
Surrogate: n-Nonane		116 %		50-200	2015016	04/09/20	04/09/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		93.1 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Toluene-d8		105 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Bromofluorobenzene		99.9 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	25.1	20.0	mg/kg	1	2015021	04/09/20	04/09/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State SWD	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/10/20 11:17

**Composite North SP2
P004024-02 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		99.7 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Toluene-d8		106 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Bromofluorobenzene		97.8 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	3760	250	mg/kg	10	2015016	04/09/20	04/09/20	EPA 8015D	
Oil Range Organics (C28-C40)	1860	500	mg/kg	10	2015016	04/09/20	04/09/20	EPA 8015D	
Surrogate: n-Nonane		96.1 %		50-200	2015016	04/09/20	04/09/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		99.7 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Toluene-d8		106 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Bromofluorobenzene		97.8 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	562	20.0	mg/kg	1	2015021	04/09/20	04/09/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State SWD	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/10/20 11:17

**Composite North SP3
P004024-03 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		93.7 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Toluene-d8		107 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Bromofluorobenzene		98.4 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	9690	500	mg/kg	20	2015016	04/09/20	04/09/20	EPA 8015D	
Oil Range Organics (C28-C40)	1850	1000	mg/kg	20	2015016	04/09/20	04/09/20	EPA 8015D	
Surrogate: n-Nonane		95.3 %		50-200	2015016	04/09/20	04/09/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		93.7 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Toluene-d8		107 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Bromofluorobenzene		98.4 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	38.3	20.0	mg/kg	1	2015021	04/09/20	04/09/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State SWD	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/10/20 11:17

**Composite North SP4
P004024-04 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		99.1 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Toluene-d8		103 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Bromofluorobenzene		99.2 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	4750	500	mg/kg	20	2015016	04/09/20	04/09/20	EPA 8015D	
Oil Range Organics (C28-C40)	1040	1000	mg/kg	20	2015016	04/09/20	04/09/20	EPA 8015D	
Surrogate: n-Nonane		92.2 %		50-200	2015016	04/09/20	04/09/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		99.1 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Toluene-d8		103 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Bromofluorobenzene		99.2 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2015021	04/09/20	04/09/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State SWD	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/10/20 11:17

**Composite North SP5
P004024-05 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		97.5 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Toluene-d8		105 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Bromofluorobenzene		99.5 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	4460	250	mg/kg	10	2015016	04/09/20	04/09/20	EPA 8015D	
Oil Range Organics (C28-C40)	1980	500	mg/kg	10	2015016	04/09/20	04/09/20	EPA 8015D	
Surrogate: n-Nonane		120 %		50-200	2015016	04/09/20	04/09/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		97.5 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Toluene-d8		105 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Bromofluorobenzene		99.5 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2015021	04/09/20	04/09/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State SWD	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/10/20 11:17

**Composite North
P004024-06 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		96.7 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Toluene-d8		107 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Bromofluorobenzene		97.2 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	7470	500	mg/kg	20	2015016	04/09/20	04/09/20	EPA 8015D	
Oil Range Organics (C28-C40)	3510	1000	mg/kg	20	2015016	04/09/20	04/09/20	EPA 8015D	
Surrogate: n-Nonane		108 %		50-200	2015016	04/09/20	04/09/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		96.7 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Toluene-d8		107 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Bromofluorobenzene		97.2 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	150	20.0	mg/kg	1	2015021	04/09/20	04/09/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State SWD	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/10/20 11:17

CSW1
P004024-07 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		98.0 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Toluene-d8		105 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Bromofluorobenzene		97.1 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	30.3	25.0	mg/kg	1	2015016	04/09/20	04/09/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2015016	04/09/20	04/09/20	EPA 8015D	
Surrogate: n-Nonane		86.2 %		50-200	2015016	04/09/20	04/09/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		98.0 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Toluene-d8		105 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Bromofluorobenzene		97.1 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	46.1	20.0	mg/kg	1	2015021	04/09/20	04/09/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State SWD	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/10/20 11:17

CSW2
P004024-08 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		98.8 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Toluene-d8		106 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Bromofluorobenzene		97.8 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2015016	04/09/20	04/09/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2015016	04/09/20	04/09/20	EPA 8015D	
Surrogate: n-Nonane		104 %		50-200	2015016	04/09/20	04/09/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		98.8 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Toluene-d8		106 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Bromofluorobenzene		97.8 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	1260	20.0	mg/kg	1	2015021	04/09/20	04/09/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State SWD	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/10/20 11:17

CSW3
P004024-09 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		96.9 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Toluene-d8		106 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Bromofluorobenzene		96.8 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2015016	04/09/20	04/09/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2015016	04/09/20	04/09/20	EPA 8015D	
Surrogate: n-Nonane		91.9 %		50-200	2015016	04/09/20	04/09/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		96.9 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Toluene-d8		106 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Bromofluorobenzene		96.8 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	2430	100	mg/kg	5	2015021	04/09/20	04/09/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State SWD	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/10/20 11:17

CSW4
P004024-10 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		93.9 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Toluene-d8		106 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Bromofluorobenzene		97.6 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2015016	04/09/20	04/09/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2015016	04/09/20	04/09/20	EPA 8015D	
Surrogate: n-Nonane		108 %		50-200	2015016	04/09/20	04/09/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		93.9 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Toluene-d8		106 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Bromofluorobenzene		97.6 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2015021	04/09/20	04/09/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State SWD	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/10/20 11:17

CSW5
P004024-11 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		102 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Toluene-d8		106 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Bromofluorobenzene		99.7 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2015016	04/09/20	04/09/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2015016	04/09/20	04/09/20	EPA 8015D	
Surrogate: n-Nonane		88.5 %		50-200	2015016	04/09/20	04/09/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		102 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Toluene-d8		106 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Bromofluorobenzene		99.7 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	165	100	mg/kg	5	2015021	04/09/20	04/09/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State SWD	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/10/20 11:17

CSW6
P004024-12 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		93.2 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Toluene-d8		107 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	
Surrogate: Bromofluorobenzene		95.3 %		70-130	2015019	04/09/20	04/09/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	41.8	25.0	mg/kg	1	2015016	04/09/20	04/09/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2015016	04/09/20	04/09/20	EPA 8015D	
Surrogate: n-Nonane		89.3 %		50-200	2015016	04/09/20	04/09/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		93.2 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Toluene-d8		107 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	
Surrogate: Bromofluorobenzene		95.3 %		70-130	2015019	04/09/20	04/09/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	490	40.0	mg/kg	2	2015021	04/09/20	04/09/20	EPA 300.0/9056A	
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Spur	Project Name:	Folk State SWD	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/10/20 11:17

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 2015019 - Purge and Trap EPA 5030A

Blank (2015019-BLK1)

Prepared: 04/09/20 0 Analyzed: 04/09/20 2

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	0.512		"	0.500		102	70-130			
Surrogate: Toluene-d8	0.531		"	0.500		106	70-130			
Surrogate: Bromofluorobenzene	0.491		"	0.500		98.2	70-130			

LCS (2015019-BS1)

Prepared: 04/09/20 0 Analyzed: 04/09/20 2

Benzene	2.15	0.0250	mg/kg	2.50		85.9	70-130			
Toluene	2.41	0.0250	"	2.50		96.4	70-130			
Ethylbenzene	2.42	0.0250	"	2.50		97.0	70-130			
p,m-Xylene	4.80	0.0500	"	5.00		95.9	70-130			
o-Xylene	2.40	0.0250	"	2.50		96.1	70-130			
Total Xylenes	7.20	0.0250	"	7.50		96.0	0-200			
Surrogate: 1,2-Dichloroethane-d4	0.490		"	0.500		98.0	70-130			
Surrogate: Toluene-d8	0.543		"	0.500		109	70-130			
Surrogate: Bromofluorobenzene	0.483		"	0.500		96.6	70-130			

Matrix Spike (2015019-MS1)

Source: P004024-01

Prepared: 04/09/20 0 Analyzed: 04/09/20 2

Benzene	2.10	0.0250	mg/kg	2.50	ND	84.1	48-131			
Toluene	2.36	0.0250	"	2.50	ND	94.5	48-130			
Ethylbenzene	2.39	0.0250	"	2.50	ND	95.6	45-135			
p,m-Xylene	4.74	0.0500	"	5.00	ND	94.7	43-135			
o-Xylene	2.36	0.0250	"	2.50	ND	94.5	43-135			
Total Xylenes	7.10	0.0250	"	7.50	ND	94.6	0-200			
Surrogate: 1,2-Dichloroethane-d4	0.495		"	0.500		99.0	70-130			
Surrogate: Toluene-d8	0.531		"	0.500		106	70-130			
Surrogate: Bromofluorobenzene	0.487		"	0.500		97.4	70-130			

Matrix Spike Dup (2015019-MSD1)

Source: P004024-01

Prepared: 04/09/20 0 Analyzed: 04/10/20 0

Benzene	2.30	0.0250	mg/kg	2.50	ND	91.8	48-131	8.82	23	
Toluene	2.62	0.0250	"	2.50	ND	105	48-130	10.4	24	
Ethylbenzene	2.65	0.0250	"	2.50	ND	106	45-135	10.3	27	
p,m-Xylene	5.24	0.0500	"	5.00	ND	105	43-135	10.1	27	
o-Xylene	2.63	0.0250	"	2.50	ND	105	43-135	10.7	27	
Total Xylenes	7.87	0.0250	"	7.50	ND	105	0-200	10.3	200	
Surrogate: 1,2-Dichloroethane-d4	0.505		"	0.500		101	70-130			
Surrogate: Toluene-d8	0.535		"	0.500		107	70-130			
Surrogate: Bromofluorobenzene	0.494		"	0.500		98.7	70-130			

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Spur	Project Name:	Folk State SWD	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/10/20 11:17

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 2015016 - DRO Extraction EPA 3570

Blank (2015016-BLK1)

Prepared & Analyzed: 04/09/20 0

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	44.4		"	50.0		88.8	50-200			

LCS (2015016-BS1)

Prepared: 04/09/20 0 Analyzed: 04/09/20 1

Diesel Range Organics (C10-C28)	471	25.0	mg/kg	500		94.2	38-132			
Surrogate: n-Nonane	47.3		"	50.0		94.7	50-200			

Matrix Spike (2015016-MS1)

Source: P004024-07

Prepared: 04/09/20 0 Analyzed: 04/09/20 1

Diesel Range Organics (C10-C28)	520	25.0	mg/kg	500	30.3	97.9	38-132			
Surrogate: n-Nonane	44.7		"	50.0		89.3	50-200			

Matrix Spike Dup (2015016-MSD1)

Source: P004024-07

Prepared: 04/09/20 0 Analyzed: 04/09/20 2

Diesel Range Organics (C10-C28)	531	25.0	mg/kg	500	30.3	100	38-132	2.08	20	
Surrogate: n-Nonane	49.8		"	50.0		99.6	50-200			

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Spur	Project Name:	Folk State SWD	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/10/20 11:17

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 2015019 - Purge and Trap EPA 5030A

Blank (2015019-BLK1)

Prepared: 04/09/20 0 Analyzed: 04/09/20 2

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	0.512		"	0.500		102	70-130			
Surrogate: Toluene-d8	0.531		"	0.500		106	70-130			
Surrogate: Bromofluorobenzene	0.491		"	0.500		98.2	70-130			

LCS (2015019-BS2)

Prepared: 04/09/20 0 Analyzed: 04/09/20 2

Gasoline Range Organics (C6-C10)	52.2	20.0	mg/kg	50.0		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		"	0.500		98.1	70-130			
Surrogate: Toluene-d8	0.541		"	0.500		108	70-130			
Surrogate: Bromofluorobenzene	0.475		"	0.500		95.0	70-130			

Matrix Spike (2015019-MS2)

Source: P004024-01

Prepared: 04/09/20 0 Analyzed: 04/10/20 0

Gasoline Range Organics (C6-C10)	52.8	20.0	mg/kg	50.0	ND	106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		"	0.500		96.9	70-130			
Surrogate: Toluene-d8	0.539		"	0.500		108	70-130			
Surrogate: Bromofluorobenzene	0.485		"	0.500		97.0	70-130			

Matrix Spike Dup (2015019-MSD2)

Source: P004024-01

Prepared: 04/09/20 0 Analyzed: 04/10/20 0

Gasoline Range Organics (C6-C10)	51.9	20.0	mg/kg	50.0	ND	104	70-130	1.57	20	
Surrogate: 1,2-Dichloroethane-d4	0.505		"	0.500		101	70-130			
Surrogate: Toluene-d8	0.524		"	0.500		105	70-130			
Surrogate: Bromofluorobenzene	0.492		"	0.500		98.3	70-130			

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Spur	Project Name:	Folk State SWD	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/10/20 11:17

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 2015021 - Anion Extraction EPA 300.0/9056A**Blank (2015021-BLK1)**

Prepared: 04/09/20 0 Analyzed: 04/09/20 2

Chloride ND 20.0 mg/kg

LCS (2015021-BS1)

Prepared: 04/09/20 0 Analyzed: 04/09/20 2

Chloride 255 20.0 mg/kg 250 102 90-110

Matrix Spike (2015021-MS1)**Source: P004024-01**

Prepared: 04/09/20 0 Analyzed: 04/09/20 2

Chloride 278 20.0 mg/kg 250 25.1 101 80-120

Matrix Spike Dup (2015021-MSD1)**Source: P004024-01**

Prepared: 04/09/20 0 Analyzed: 04/09/20 2

Chloride 280 20.0 mg/kg 250 25.1 102 80-120 0.416 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.

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Spur	Project Name:	Folk State SWD	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/10/20 11:17

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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P004024

Client: <u>Spon Energy</u>				Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Fish State SWD</u>				Attention: <u>Natalie Gladden</u>		Lab WO# <u>RL</u>		1D 3D		RCRA		CWA		SDWA	
Project Manager: <u>Henry Kich</u>				Address:		<u>P004024</u>		<u>19054-0003</u>							
Address:				City, State, Zip		<u>4/9/20</u>		Analysis and Method				State			
City, State, Zip				Phone:								NM		CO	
Phone:				Email: <u>ngladden@Hungry-Horse.com</u>								TX		OK	
Email:															
Report due by:															
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC - NM	BDOC - TX	Remarks	
	4.2.2020	S	G	Composite North SPI	1							X			
				Composite North SP2	2										
				Composite North SP3	3										
				Composite North SP4	4										
				Composite North SP5	5										
				Composite North	6										
				CSW 1	7										
				CSW 2	8										
				CSW 3	9										
	4.2.2020	S	G	CSW 4	10							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: [Signature]

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<u>[Signature]</u>	April 2, 2020	3:48	<u>Natalie Gladden</u>	4/7/20	3:48	Received on ice: <u>(Y)</u> N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1
<u>Natalie Gladden</u>	4/8/20	1:05	<u>[Signature]</u>	4.8.2020	1305	T2
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T3
<u>[Signature]</u>	4.8.2020	1640	<u>Rene Lopez</u>	4/9/20	9:30	AVG Temp °C <u>4</u>

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

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

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



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

Client: <u>Spur Energy</u>					Bill To					Lab Use Only				TAT		EPA Program				
Project: <u>Fair State SWD</u>					Attention: <u>Natalie Glaessen</u>					Lab WO#		Job Number		1D	3D	RCRA	CWA	SDWA		
Project Manager:					Address:					<u>P004024</u>		<u>19054-0003</u>		<u>X</u>						
Address:					City, State, Zip					Analysis and Method								State		
City, State, Zip					Phone:					DRO/ORO by 8015	GRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	BGDOC - TX		
Email:					Email: <u>nglaessen@Husky-Horse.com</u>															
Report due by:																				
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number															
	<u>4.2 2020</u>	<u>S</u>	<u>G</u>	<u>CSW5</u>	<u>11</u>											<u>X</u>				
	<u>4.2 2020</u>	<u>S</u>	<u>G</u>	<u>CSW6</u>	<u>12</u>											<u>X</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: [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 5 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<u>[Signature]</u>	<u>4.2 2020</u>	<u>3:48</u>	<u>[Signature]</u>	<u>4/7/20</u>	<u>3:48</u>	Received on ice: <u>(Y)/ N</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1
<u>[Signature]</u>	<u>4/8/20</u>	<u>1:05</u>	<u>[Signature]</u>	<u>4-8-2020</u>	<u>1305</u>	T2
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T3
<u>[Signature]</u>	<u>4-8-2020</u>	<u>1640</u>	<u>Rainer Lopez</u>	<u>4/9/20</u>	<u>9:30</u>	AVG Temp °C <u>4</u>

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

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

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



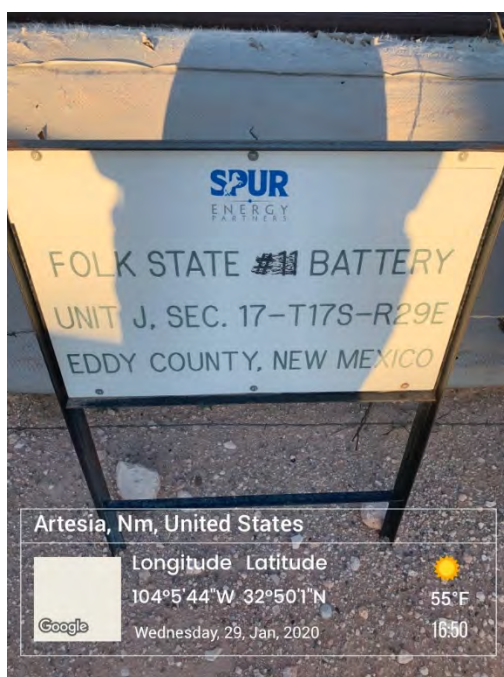
5796 US Highway 64, Farmington, NM 87401
24 Hour Emergency Response Phone: (800) 362-1879

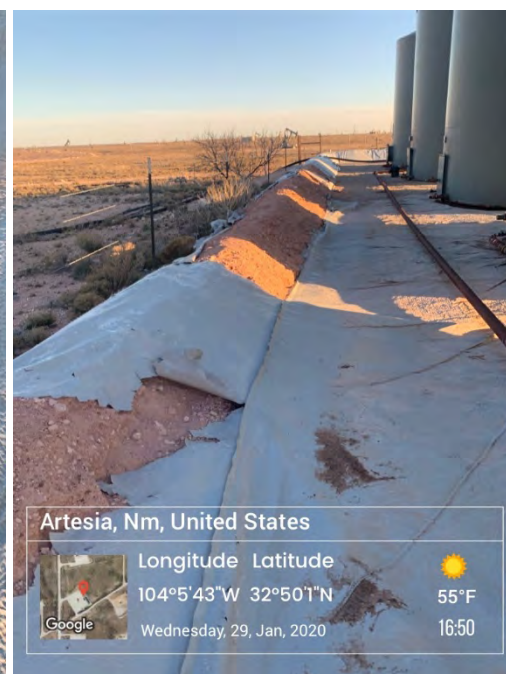
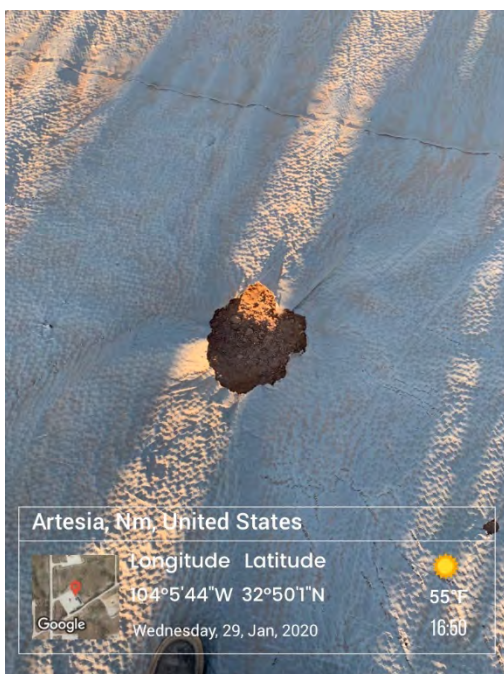
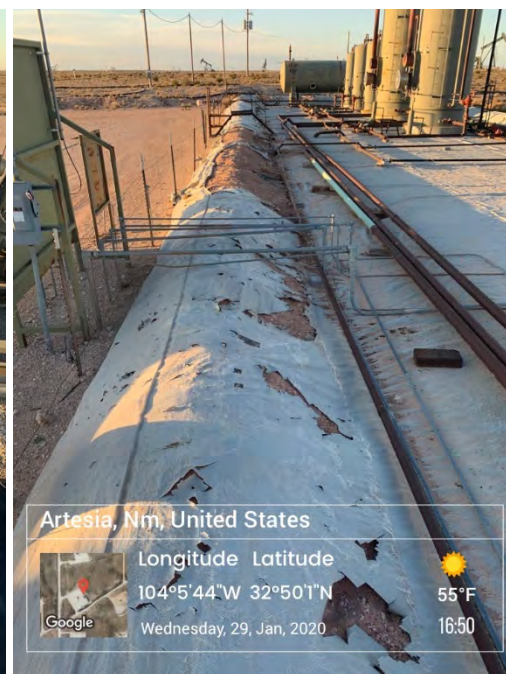
Ph (505) 632-1881 Fx (505) 632-1865

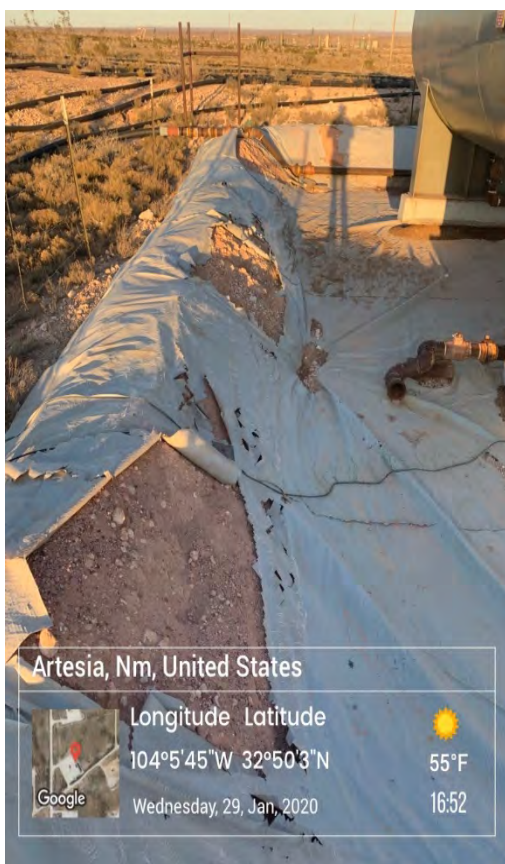
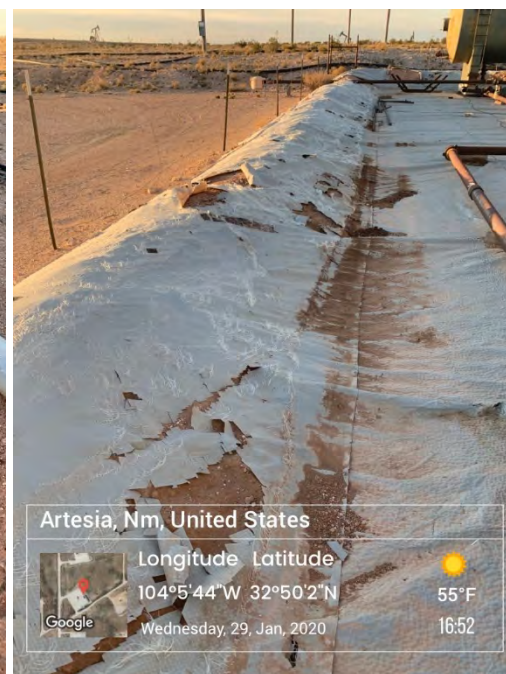
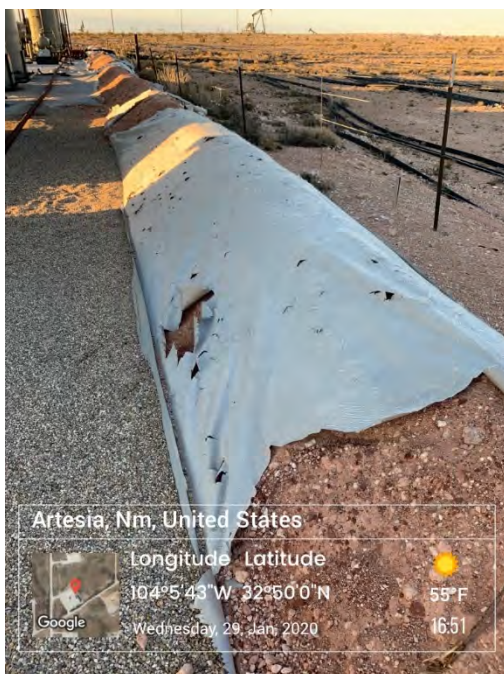
envirotech-inc.com
labadmin@envirotech-inc.com



FOLK STATE #011
BEGINNING PHOTOS





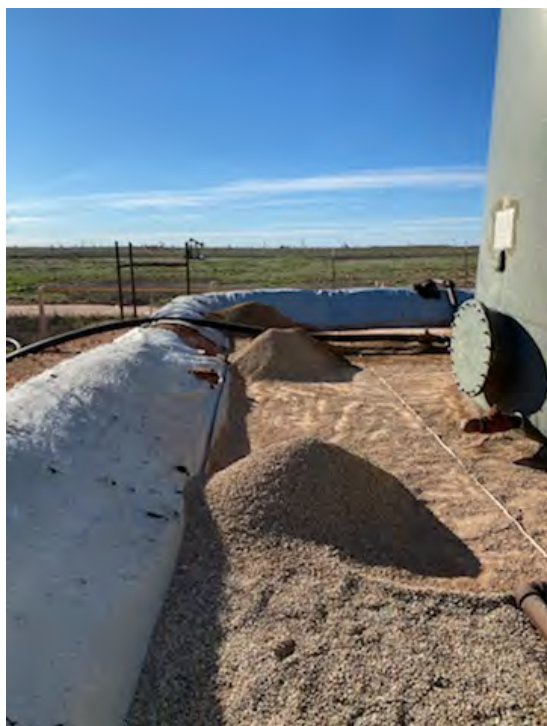








FOLK STATE #011
DURING PHOTOS – RELEASE DATE 06/12/2019















FOLK STATE #011 BATTERY

FINAL PHOTOS









State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	76 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
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: 6/24/20

email: natalie@energystaffing.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 & RegulatorySignature:  Date: 6/24/2020email: natalie@energystaffingllc.com Telephone: 575-390-6397**OCD Only**

Received by: _____ Date: _____

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

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

Signature:  Date: 6/24/2020

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: _____