



Twelve Pack Federal Com LBB #004H Closure Plan

**API No. 30-015-40966
2RP-5695
U/L E, Section 06, Township 17S, Range 30E
Eddy County**

05/12/2020

Prepared by:



**Hungry Horse, LLC
4024 Plains Highway
Lovington, NM 88260**



May 12, 2020

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

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

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

Subject: Closure Request for Spur Energy Partners – Twelve Pack Federal Com LBB #004H

To Whom It May Concern,

On behalf of Spur Energy Partners, Hungry Horse, LLC has prepared this CLOSURE REPORT that describes the assessment, delineation and remediation for the release associated with the Twelve Pack Federal Com LBB #004H, dated 10/06/2019 with RP# 2RP-5695.

Background

The site is located in Eddy County, New Mexico. COG Operating owned the site at the time of release and filed the initial C-141. Spur Energy Partners purchased the site from COG Operating and is responsible for remediation of the site. The release was caused by a gasket failure on the fire tube. The gasket has been replaced. The release was in the lined facility with over spray into the pasture. Approximately 20bbls of crude oil and 50bbls of produced water was released. A vacuum truck was dispatched to the site to removing any free-standing fluids. Approximately 19bbls of crude oil and 48bbls of produced water were removed and hauled to a

disposal site. The approximate area of impact was measured at 1627 sq. ft. The release was contained to the lined facility with over spray into the pasture area. The corresponding C-141 for the release is attached with RP# 2RP-5695.

Groundwater Information

Hungry Horse, LLC conducted a groundwater study of the area. It has been determined that according to the New Mexico Office of the State Engineer, the closest well to the site shows water depth of 80'bgs. The wells found are listed below:

RA 11914 POD 1 – is 5,515' from the site with groundwater level at 80'DGW.

RA 11807 POD 1 – is 6,740' from the site with groundwater level at 76'DGW.

RA 09342 – is 9,922' from the site with groundwater level at 110'DGW.

With the groundwater data collected during the groundwater search determined there is verifiable record of groundwater but was found from 5,515' to 9,992' from the site. No other groundwater was found in the vicinity of the release location. Specific water well data as shown above. Please see supporting groundwater documentation and groundwater map attached herein. Hungry Horse also viewed and researched the OSE POD Website and did not locate any other wells in the area. Therefore, there is no eminent danger of groundwater found at this site, as groundwater depth close to the site is unknown.

The Closure Criteria for Soils Impacted by a Release is below and based on the groundwater depth of 80'bgs, it falls under the 51'-100' depth category.

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 Mapping

The Karst Mapping data found for this site is located inside the medium marked area. When the site was delineated, it was fully delineated to meet NMOCD standards for Karst areas. Medium Karst Areas fall into the <50' DGW closure criteria. Please see the table shown below as well as the Karst Map attached herein.

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

Site Delineation

Hungry Horse, LLC began to fully delineate the impacted area on March 9th, 2020 using a hand auger and a backhoe. Soil was field tested for chlorides using the titration method. A PID meter was also used to indicate concentrations of BTEX/TPH. Soil samples were taken from eleven sample points in the pasture area. This area was sampled using 1' and 2' intervals dependent on the equipment usage availability. All of the delineation samples were sent to Envirotech Laboratory for confirmation. ***Please see sample trending data attached herein. Below you will find the vertical bottom hole samples which were confirmed by Envirotech Laboratory.

Ver Sam ID	Depth	CHL mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	E-Dro mg/kg	Ttl TPH mg/kg
SP1	4'	49.9	ND	ND	ND	ND	ND
SP2	4'	43	ND	ND	ND	ND	ND
SP3	14'	1800	0.127	ND	2860	1080	3940
SP4	6'	ND	ND	ND	ND	ND	ND
SP5	4'	ND	ND	ND	ND	ND	ND
SP6	6'	ND	ND	ND	35.1	ND	35.1
SP7	4'	ND	ND	ND	ND	ND	ND
SP8	4'	ND	ND	ND	ND	ND	ND
SP9	4'	ND	ND	ND	ND	ND	ND
SP10	4'	37.2	ND	ND	ND	ND	ND
SP11	ND	ND	ND	ND	ND	ND	ND

The vertical samples were well within the acceptable range with the exception of SP3. SP3 is located between a riser and two flow lines. The backhoe could not get into the area to excavate further, therefore this sample point was sampled using a hand auger, which maxed out at 14'bgs (please see sample map and photos).

Horizontal samples were then conducted to find the horizontal extent of the impacted area using 1' intervals. Soil was field tested for chlorides using the titration method. A PID meter was also used to indicate concentrations of BTEX/TPH. Each sample was sampled in the field and then sent to Envirotech Laboratory for confirmation. Below you will find the horizontal samples confirmed by Envirotech.

All of the confirmed sample data, except Sample Point 3, fell well with-in the limits set out in the Closure Criteria at the <50' DGW. It was agreed that no further delineation could be done on SP3, and no further delineation was required on the rest of the impacted area.

Hor Sam ID	Depth	CHL mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	E-Dro mg/kg	Ttl TPH mg/kg
SW 1	2'	ND	ND	ND	ND	ND	ND
SW 2	2'	26.3	ND	ND	ND	ND	ND
SW 3	2'	ND	ND	ND	ND	ND	ND
SW 4	2'	ND	ND	ND	ND	ND	ND
SW 5	2'	ND	ND	ND	ND	ND	ND
SW 6	2'	ND	ND	ND	ND	ND	ND

Background samples were taken of the pasture area to the north and south of the release 100' from the impacted area. These samples were field tested for chlorides and volatiles in the soil by use of the Titration Method as well as a PID Meter. These Samples were jarred and delivered to Envirotech Laboratory for confirmation.

On March 12th, 2020 an email was sent to NMOCD and BLM requesting witnessing of closure samples. On March 16th, 2020 Closure Samples were obtained and sent to Envirotech for confirmation. The results are listed in the table below.

SP ID	Depth	Titration	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL
BG 1	NORTH	360	ND	ND	ND	ND	ND	ND
BG 2	SOUTH	160	0.0284	ND	ND	ND	ND	ND
SP1	COMP	560						
SP2	COMP	160						
SP3	COMP	240						
SP4	COMP	240						
SP5	COMP	320						
MIX	COMP	240	ND	134	159	ND	293	ND
SW 1	COMP	400	ND	ND	ND	ND	ND	ND
SW 2	COMP	160	ND	ND	ND	ND	ND	ND
SW 3	COMP	160	ND	ND	ND	ND	ND	ND
SW 4	COMP	80	ND	ND	ND	ND	ND	ND

Remediation

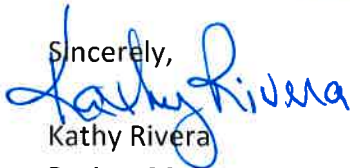
It was agreed between Spur Energy and Hungry Horse, LLC that 6"bgs would be excavated from the impacted area. Micro-Blaze was applied. Excavation then began. During the remediation phase, the liner in the battery was also inspected. No obvious defects or perforations were noted. 6"bgs was excavated and stockpiled on plastic. 256 cubic yards of contaminated material was hauled to Lea Landfill for disposal. Backfill was obtained from a near-by stockpile of clean caliche belonging to Spur Energy Partners. Micro-Blaze was applied a second time to the area around Sample Point 3, which is located in between a riser and two flow lines. The site was then recontoured to the natural slope of the area surrounding the pad.

Scope of Work and Limitations

The scope of our services consisted of the performance of assessment sampling, verification of release stabilization, regulatory liaison, delineation of the site, remediation activities and preparation of this closure report. All work has been performed in accordance with generally accepted professional environmental consulting and remediation practices. All work has been done in accordance with the NMOCD and BLM Rules and Regulations for spills and releases dated August 14, 2018.

On behalf of Spur Energy Partners and Hungry Horse, LLC, we respectfully request closure of the release associated with the Twelve Pack Federal Com LBB #004H, with the RP# 2RP-5695. If you have any questions or concerns, please contact Natalie Gladden, Director of Environmental and Regulatory Services for Hungry Horse, LLC. She can be reached via cell phone at (575) 390-6397 or via email at negladden@hungry-horse.com.

Sincerely,



Kathy Rivera

Project Manager

Hungry Horse, LLC

4024 Plains Highway

Lovington, NM 88260

Attachments:

- Initial C-141
- Groundwater data and map
- Karst and Site Map
- Sample Data w/GPS Sample Map
- Lab Analysis
- Before Photos
- During Photos
- After Photos
- Final C141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification 7CL9M-191015-C-1410

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: _____



New Mexico Office of the State Engineer

Wells with Well Log Information

No wells found.

UTMNAD83 Radius Search (in meters):

Easting (X): 591817.7

Northing (Y): 3636641.3

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 8:16 AM

WELLS WITH WELL LOG INFORMATION



New Mexico Office of the State Engineer

Wells with Well Log Information

No wells found.

UTMNAD83 Radius Search (in meters):

Easting (X): 591817.7

Northing (Y): 3636641.3

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 8:17 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 Number	Code	POD		Source	q q q					X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number		
		Subbasin	County		64	16	4	Sec	Tws											Rng	
RA 11914 POD1		RA	ED	Shallow	2	4	2	20	17S	30E	594801	3632002	<input type="checkbox"/>	5515	03/19/2013	03/19/2013	04/09/2013	85	80	JOHN NORRIS	1682
RA 11807 POD1		RA	ED	Shallow	1	2	3	22	17S	29E	587360	3631585	<input type="checkbox"/>	6740	11/23/2012	11/26/2012	03/26/2013	131	76	TAYLOR, CLINTON E.	1348
RA 09342		RA	ED	Shallow	4	4	3	19	16S	29E	582737	3640640*	<input type="checkbox"/>	9922	05/02/1998	05/03/1998	05/08/1998	220	110	DELFORD MARTIN	1064

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 591817.7

Northing (Y): 3636641.3

Radius: 10000

*UTM location was derived from PLSS - see Help

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

2/20/20 8:17 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 11914	POD1	2	4	2	20	17S	30E	594801	3632002

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

Driller Name: JOHN NORRIS

Drill Start Date: 03/19/2013

Drill Finish Date: 03/19/2013

Plug Date:

Log File Date: 04/09/2013

PCW Rcv Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well: 85 feet

Depth Water: 80 feet

Water Bearing Stratifications: **Top Bottom Description**

11 85 Sandstone/Gravel/Conglomerate



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 09342		4	4	3	19	16S	29E	582737	3640640*

Driller License: 1064 **Driller Company:** DELFORD W. MARTIN

Driller Name: DELFORD MARTIN

Drill Start Date: 05/02/1998

Drill Finish Date: 05/03/1998

Plug Date:

Log File Date: 05/08/1998

PCW Rcv Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield: 30 GPM

Casing Size: 5.50

Depth Well: 220 feet

Depth Water: 110 feet

Water Bearing Stratifications:

Top Bottom Description

143	204	Shallow Alluvium/Basin Fill
-----	-----	-----------------------------

Casing Perforations:

Top Bottom

140	220
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*UTM location was derived from PLSS - see Help

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

SPUR ENERGY PARTNERS

TWELVE PACK FED COM LBB #004H
DOR: 10.6.19
GROUND WATER MAP



RA 09342 9922' FROM SITE 220 DGW

TWELVE PACK FED COM LBB #004H

RA 11807 POD 1 6740' FROM SITE 131' DGW

RA 11914 POD 1 5515' FROM SITE 85' DGW

82

Loco Hills

Livingston Hwy

529

Bermuda Rd

360

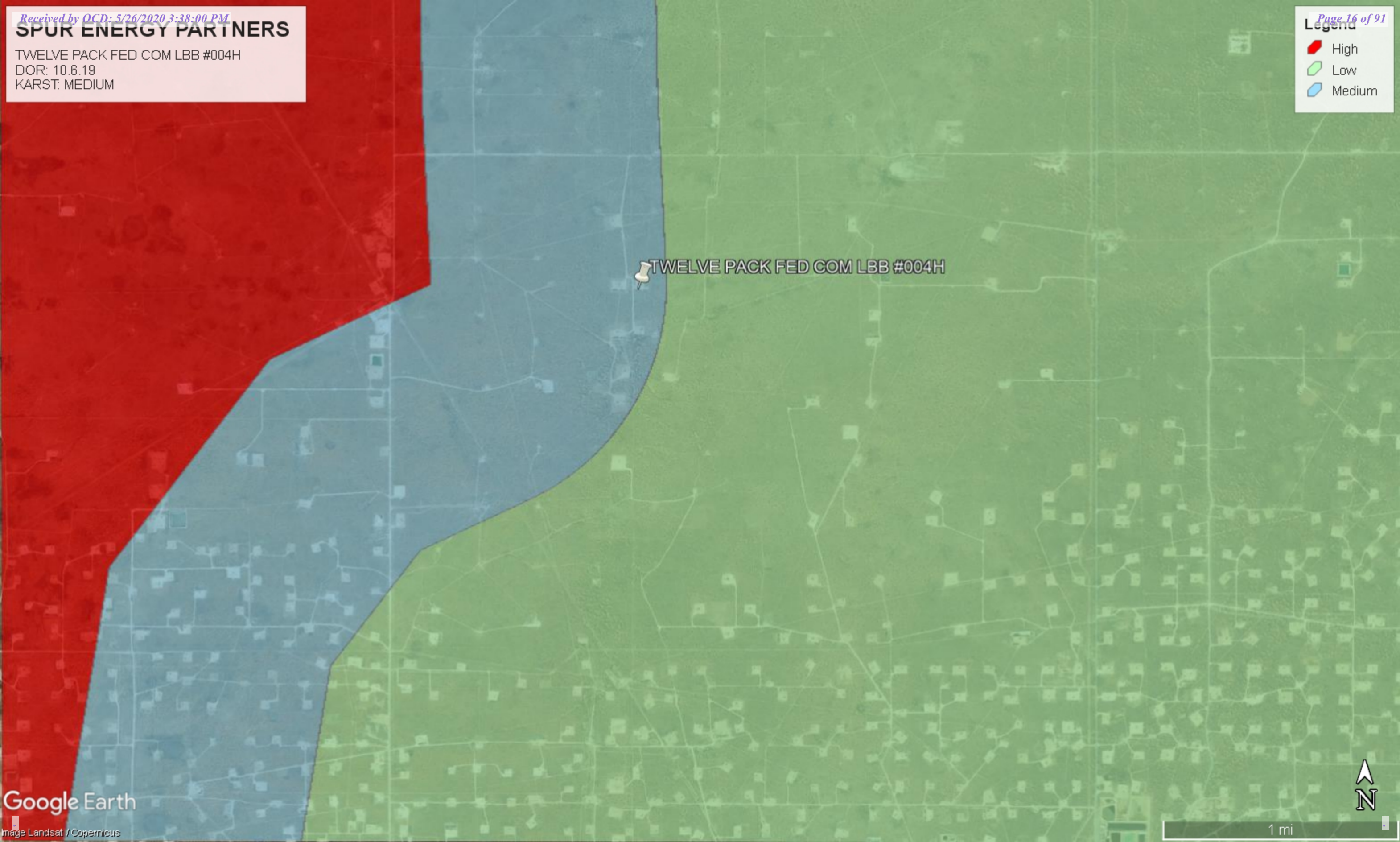
Bluestem Rd

SPUR ENERGY PARTNERS

TWELVE PACK FED COM LBB #004H
DOR: 10.6.19
KARST: MEDIUM

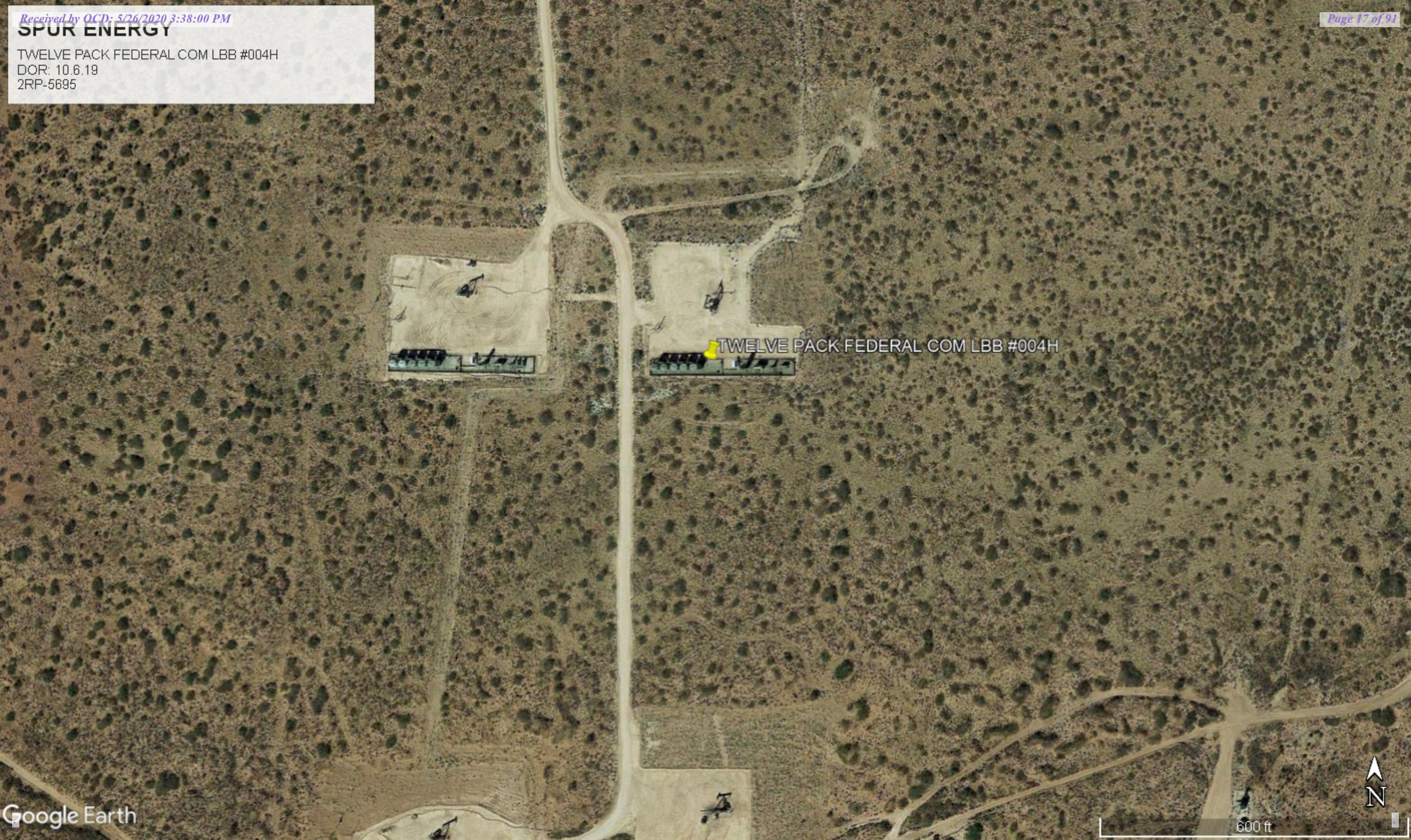
Legend

- High
- Low
- Medium



SPUR ENERGY

TWELVE PACK FEDERAL COM LBB #004H
DOR: 10.6.19
2RP-5695



10/6/2019

[illegible]

	6'	360		ND	ND	ND	ND	ND	ND		
SP5	SUR	400									TPH
	2'	160									
	4'	80		ND	ND	ND	ND	ND	ND		
SP6	SUR	400	TPH								TPH
	2'	360	TPH								TPH
	4'	80	TPH								
	6'	80	TPH	ND	35.1	ND	ND	35.1	ND		
SP7	SUR	480									
	2'	240									
	4'	160		ND	ND	ND	ND	ND	ND		
SP 8	SURF	360									TPH
	2'	240									
	4'	160		ND	ND	ND	ND	ND	ND		
SP 9	SURF	400									
	2'	240									
	4'	160		ND	ND	ND	ND	ND	ND		
SP 10	SURF	400	TPH								
	2'	320	TPH								
	4'	160		ND	ND	ND	ND	ND	37.2		
SP 11	SURF	160									
	2'	160									
	4'	160		ND	ND	ND	ND	ND	ND		
SW 1	SURF	1680									
	1'	560									
	2'	240		ND	ND	ND	ND	ND	ND		

[illegible]

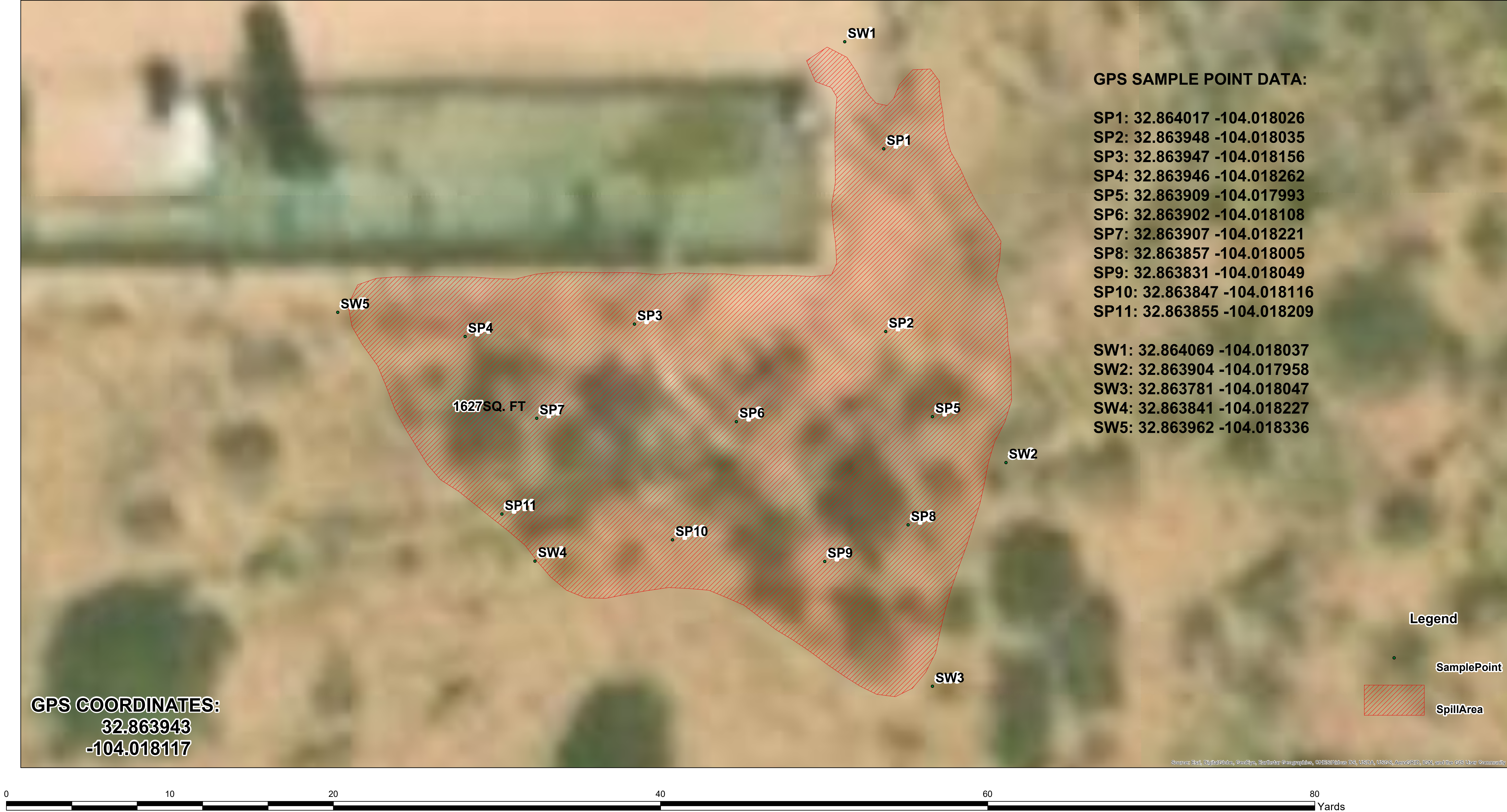


FIGURE 1
IMPACTED AREA



Analytical Report

Report Summary

Client: Spur

Samples Received: 3/11/2020

Job Number: 19054-0003

Work Order: P003054

Project Name/Location: Twelve Pack

Report Reviewed By:

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

Date: 3/12/20

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.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.



Spur	Project Name:	Twelve Pack	Reported: 03/12/20 15:32
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Sp1-4'	P003054-01A	Soil	03/08/20	03/11/20	Glass Jar, 4 oz.
Sp2-4'	P003054-02A	Soil	03/08/20	03/11/20	Glass Jar, 4 oz.
Sp3-14'	P003054-03A	Soil	03/08/20	03/11/20	Glass Jar, 4 oz.
Sp4-6'	P003054-04A	Soil	03/08/20	03/11/20	Glass Jar, 4 oz.
Sp5-4'	P003054-05A	Soil	03/08/20	03/11/20	Glass Jar, 4 oz.
Sp6-6'	P003054-06A	Soil	03/08/20	03/11/20	Glass Jar, 4 oz.
Sp7-4'	P003054-07A	Soil	03/08/20	03/11/20	Glass Jar, 4 oz.

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Spur	Project Name:	Twelve Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/12/20 15:32

Sp1-4'
P003054-01 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %		50-150	2011022	03/11/20	03/11/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011021	03/11/20	03/11/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011021	03/11/20	03/11/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		85.8 %		50-200	2011021	03/11/20	03/11/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.9 %		50-150	2011022	03/11/20	03/11/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	49.9	20.0	mg/kg	1	2011024	03/11/20	03/11/20	EPA 300.0/9056A	
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Spur	Project Name:	Twelve Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/12/20 15:32

Sp2-4'
P003054-02 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %		50-150	2011022	03/11/20	03/11/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011021	03/11/20	03/11/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011021	03/11/20	03/11/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		85.5 %		50-200	2011021	03/11/20	03/11/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.2 %		50-150	2011022	03/11/20	03/11/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	43.0	20.0	mg/kg	1	2011024	03/11/20	03/11/20	EPA 300.0/9056A	
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Spur	Project Name:	Twelve Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/12/20 15:32

Sp3-14'
P003054-03 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Ethylbenzene	0.0369	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
p,m-Xylene	0.0761	0.0500	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
o-Xylene	0.0514	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Total Xylenes	0.127	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		<i>113 %</i>		<i>50-150</i>	<i>2011022</i>	<i>03/11/20</i>	<i>03/11/20</i>	<i>EPA 8021B</i>	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	2860	500	mg/kg	20	2011021	03/11/20	03/11/20	EPA 8015D	
Oil Range Organics (C28-C40)	1080	1000	mg/kg	20	2011021	03/11/20	03/11/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>109 %</i>		<i>50-200</i>	<i>2011021</i>	<i>03/11/20</i>	<i>03/11/20</i>	<i>EPA 8015D</i>	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		<i>92.1 %</i>		<i>50-150</i>	<i>2011022</i>	<i>03/11/20</i>	<i>03/11/20</i>	<i>EPA 8015D</i>	

Anions by 300.0/9056A

Chloride	1800	20.0	mg/kg	1	2011024	03/11/20	03/11/20	EPA 300.0/9056A	
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Spur	Project Name:	Twelve Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/12/20 15:32

Sp4-6'
P003054-04 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.0 %		50-150	2011022	03/11/20	03/11/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011021	03/11/20	03/11/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011021	03/11/20	03/11/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		78.7 %		50-200	2011021	03/11/20	03/11/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.6 %		50-150	2011022	03/11/20	03/11/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2011024	03/11/20	03/11/20	EPA 300.0/9056A	
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Spur	Project Name:	Twelve Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/12/20 15:32

Sp5-4'
P003054-05 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.3 %		50-150	2011022	03/11/20	03/11/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011021	03/11/20	03/11/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011021	03/11/20	03/11/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		83.7 %		50-200	2011021	03/11/20	03/11/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.5 %		50-150	2011022	03/11/20	03/11/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2011024	03/11/20	03/11/20	EPA 300.0/9056A	
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Spur	Project Name:	Twelve Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/12/20 15:32

Sp6-6'
P003054-06 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.8 %		50-150	2011022	03/11/20	03/11/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	35.1	25.0	mg/kg	1	2011021	03/11/20	03/11/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011021	03/11/20	03/11/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		83.8 %		50-200	2011021	03/11/20	03/11/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.1 %		50-150	2011022	03/11/20	03/11/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2011024	03/11/20	03/11/20	EPA 300.0/9056A	
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Spur	Project Name:	Twelve Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/12/20 15:32

Sp7-4'
P003054-07 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %		50-150	2011022	03/11/20	03/11/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011021	03/11/20	03/11/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011021	03/11/20	03/11/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		60.2 %		50-200	2011021	03/11/20	03/11/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011022	03/11/20	03/11/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.3 %		50-150	2011022	03/11/20	03/11/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2011024	03/11/20	03/11/20	EPA 300.0/9056A	
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Spur	Project Name:	Twelve Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/12/20 15:32

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 2011022 - Purge and Trap EPA 5030A

Blank (2011022-BLK1)

Prepared & Analyzed: 03/11/20 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 8.81 " 8.00 110 50-150

LCS (2011022-BS1)

Prepared & Analyzed: 03/11/20 1

Benzene	4.68	0.0250	mg/kg	5.00		93.6	70-130			
Toluene	4.90	0.0250	"	5.00		98.0	70-130			
Ethylbenzene	4.99	0.0250	"	5.00		99.8	70-130			
p,m-Xylene	9.98	0.0500	"	10.0		99.8	70-130			
o-Xylene	5.08	0.0250	"	5.00		102	70-130			
Total Xylenes	15.1	0.0250	"	15.0		100	0-200			

Surrogate: 4-Bromochlorobenzene-PID 8.59 " 8.00 107 50-150

Matrix Spike (2011022-MS1)

Source: P003053-01

Prepared: 03/11/20 1 Analyzed: 03/12/20 1

Benzene	4.38	0.0250	mg/kg	5.00	ND	87.5	54.3-133			
Toluene	4.72	0.0250	"	5.00	ND	94.5	61.4-130			
Ethylbenzene	4.86	0.0250	"	5.00	ND	97.3	61.4-133			
p,m-Xylene	9.73	0.0500	"	10.0	ND	97.3	63.3-131			
o-Xylene	4.91	0.0250	"	5.00	ND	98.2	63.3-131			
Total Xylenes	14.6	0.0250	"	15.0	ND	97.6	0-200			

Surrogate: 4-Bromochlorobenzene-PID 8.72 " 8.00 109 50-150

Matrix Spike Dup (2011022-MSD1)

Source: P003053-01

Prepared & Analyzed: 03/11/20 1

Benzene	4.53	0.0250	mg/kg	5.00	ND	90.7	54.3-133	3.54	20	
Toluene	4.76	0.0250	"	5.00	ND	95.3	61.4-130	0.842	20	
Ethylbenzene	4.85	0.0250	"	5.00	ND	97.1	61.4-133	0.191	20	
p,m-Xylene	9.70	0.0500	"	10.0	ND	97.0	63.3-131	0.264	20	
o-Xylene	4.89	0.0250	"	5.00	ND	97.8	63.3-131	0.424	20	
Total Xylenes	14.6	0.0250	"	15.0	ND	97.3	0-200	0.318	200	

Surrogate: 4-Bromochlorobenzene-PID 8.65 " 8.00 108 50-150

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Spur	Project Name:	Twelve Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/12/20 15:32

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 2011021 - DRO Extraction EPA 3570

Blank (2011021-BLK1)

Prepared: 03/11/20 0 Analyzed: 03/11/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	42.9		"	50.0		85.7	50-200			

LCS (2011021-BS1)

Prepared: 03/11/20 0 Analyzed: 03/11/20 1

Diesel Range Organics (C10-C28)	397	25.0	mg/kg	500		79.5	38-132			
Surrogate: n-Nonane	43.5		"	50.0		87.0	50-200			

Matrix Spike (2011021-MS1)

Source: P003053-01

Prepared: 03/11/20 0 Analyzed: 03/11/20 1

Diesel Range Organics (C10-C28)	397	25.0	mg/kg	500	ND	79.4	38-132			
Surrogate: n-Nonane	42.7		"	50.0		85.4	50-200			

Matrix Spike Dup (2011021-MSD1)

Source: P003053-01

Prepared: 03/11/20 0 Analyzed: 03/12/20 1

Diesel Range Organics (C10-C28)	411	25.0	mg/kg	500	ND	82.1	38-132	3.39	20	
Surrogate: n-Nonane	44.7		"	50.0		89.3	50-200			

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Spur	Project Name:	Twelve Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/12/20 15:32

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 2011022 - Purge and Trap EPA 5030A

Blank (2011022-BLK1)

Prepared & Analyzed: 03/11/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		"	8.00		95.9	50-150			

LCS (2011022-BS2)

Prepared & Analyzed: 03/11/20 1

Gasoline Range Organics (C6-C10)	49.0	20.0	mg/kg	50.0		98.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		"	8.00		95.9	50-150			

Matrix Spike (2011022-MS2)

Source: P003053-01

Prepared & Analyzed: 03/11/20 1

Gasoline Range Organics (C6-C10)	45.5	20.0	mg/kg	50.0	ND	91.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		"	8.00		95.2	50-150			

Matrix Spike Dup (2011022-MSD2)

Source: P003053-01

Prepared & Analyzed: 03/11/20 1

Gasoline Range Organics (C6-C10)	47.3	20.0	mg/kg	50.0	ND	94.6	70-130	3.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		"	8.00		94.9	50-150			

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Spur	Project Name:	Twelve Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/12/20 15:32

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 2011024 - Anion Extraction EPA 300.0/9056A**Blank (2011024-BLK1)**

Prepared & Analyzed: 03/11/20 1

Chloride ND 20.0 mg/kg

LCS (2011024-BS1)

Prepared & Analyzed: 03/11/20 1

Chloride 253 20.0 mg/kg 250 101 90-110

Matrix Spike (2011024-MS1)**Source: P003054-01**

Prepared & Analyzed: 03/11/20 1

Chloride 308 20.0 mg/kg 250 49.9 103 80-120

Matrix Spike Dup (2011024-MSD1)**Source: P003054-01**

Prepared & Analyzed: 03/11/20 1

Chloride 309 20.0 mg/kg 250 49.9 104 80-120 0.357 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:	Twelve Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/12/20 15:32

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>Two We Pack</u>					Attention: <u>Natali Gladden</u>					Lab WO# <u>P003054</u>				Job Number <u>19054-0003</u>		1D	3D	RCRA	CWA	SDWA															
Project Manager: <u>Linsey Salgado</u>					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		BGDOC - NM		BGDOC - TX		NM		CO		UT		AZ	
City, State, Zip					Phone:																														
Email: <u>lsalgado@hungryhorse.com</u>					Email: <u>Ngladden@hungryhorse.com</u>																														
Report due by:																																			
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number															Remarks															
8:30	3/8/20	S	1	Sp1-4'	1																														
9:25	3/8/20			Sp2-4'	2																														
11:27	3/8/20			Sp3-14'	3																														
12:24	3/8/20			Sp4-6'	4																														
1:37	3/8/20			Sp5-4'	5																														
2:11	3/8/20			Sp6-6'	6																														
2:33	3/8/20			Sp7-4'	7																														
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:																																			
Relinquished by: (Signature) <u>[Signature]</u>					Date <u>3/9/20</u> Time <u>0630</u>					Received by: (Signature) <u>[Signature]</u>					Date <u>3/9/20</u> Time <u>0630</u>					Lab Use Only															
Relinquished by: (Signature) <u>[Signature]</u>					Date <u>3/10/20</u> Time <u>1100</u>					Received by: (Signature) <u>[Signature]</u>					Date <u>3-10-2020</u> Time <u>1100</u>					Received on ice: <u>Y</u> N															
Relinquished by: (Signature) <u>[Signature]</u>					Date <u>3-10-2020</u> Time <u>1515</u>					Received by: (Signature) <u>[Signature]</u>					Date <u>3/10/20</u> Time <u>9:40</u>					T1 T2 T3															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																																			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																			



Analytical Report

Report Summary

Client: Spur

Samples Received: 3/12/2020

Job Number: 19054-0003

Work Order: P003062

Project Name/Location: 12-Pack

Report Reviewed By:

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

Date: 3/13/20

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:	12-Pack	Reported: 03/13/20 14:08
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Sp8-4	P003062-01A	Soil	03/08/20	03/12/20	Glass Jar, 4 oz.
Sp9-4	P003062-02A	Soil	03/08/20	03/12/20	Glass Jar, 4 oz.
Sp10-4	P003062-03A	Soil	03/08/20	03/12/20	Glass Jar, 4 oz.
Sp11-4	P003062-04A	Soil	03/08/20	03/12/20	Glass Jar, 4 oz.
SW1-2'	P003062-05A	Soil	03/08/20	03/12/20	Glass Jar, 4 oz.
SW2-2'	P003062-06A	Soil	03/08/20	03/12/20	Glass Jar, 4 oz.
SW3-2	P003062-07A	Soil	03/08/20	03/12/20	Glass Jar, 4 oz.
SW4-2	P003062-08A	Soil	03/08/20	03/12/20	Glass Jar, 4 oz.
SW5-2	P003062-09A	Soil	03/08/20	03/12/20	Glass Jar, 4 oz.
SW6-2	P003062-10A	Soil	03/08/20	03/12/20	Glass Jar, 4 oz.

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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/13/20 14:08

Sp8-4
P003062-01 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		<i>109 %</i>		<i>50-150</i>	<i>2011032</i>	<i>03/12/20</i>	<i>03/12/20</i>	<i>EPA 8021B</i>	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011034	03/12/20	03/12/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011034	03/12/20	03/12/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>103 %</i>		<i>50-200</i>	<i>2011034</i>	<i>03/12/20</i>	<i>03/12/20</i>	<i>EPA 8015D</i>	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		<i>92.5 %</i>		<i>50-150</i>	<i>2011032</i>	<i>03/12/20</i>	<i>03/12/20</i>	<i>EPA 8015D</i>	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2011033	03/12/20	03/12/20	EPA 300.0/9056A	
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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/13/20 14:08

Sp9-4
P003062-02 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		<i>109 %</i>		<i>50-150</i>	<i>2011032</i>	<i>03/12/20</i>	<i>03/12/20</i>	<i>EPA 8021B</i>	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011034	03/12/20	03/12/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011034	03/12/20	03/12/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>89.3 %</i>		<i>50-200</i>	<i>2011034</i>	<i>03/12/20</i>	<i>03/12/20</i>	<i>EPA 8015D</i>	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		<i>94.4 %</i>		<i>50-150</i>	<i>2011032</i>	<i>03/12/20</i>	<i>03/12/20</i>	<i>EPA 8015D</i>	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2011033	03/12/20	03/12/20	EPA 300.0/9056A	
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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/13/20 14:08

Sp10-4
P003062-03 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %		50-150	2011032	03/12/20	03/12/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011034	03/12/20	03/12/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011034	03/12/20	03/12/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		86.0 %		50-200	2011034	03/12/20	03/12/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.2 %		50-150	2011032	03/12/20	03/12/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	37.2	20.0	mg/kg	1	2011033	03/12/20	03/12/20	EPA 300.0/9056A	
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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/13/20 14:08

Sp11-4
P003062-04 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		<i>110 %</i>		<i>50-150</i>	<i>2011032</i>	<i>03/12/20</i>	<i>03/12/20</i>	<i>EPA 8021B</i>	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011034	03/12/20	03/12/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011034	03/12/20	03/12/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>88.6 %</i>		<i>50-200</i>	<i>2011034</i>	<i>03/12/20</i>	<i>03/12/20</i>	<i>EPA 8015D</i>	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		<i>94.0 %</i>		<i>50-150</i>	<i>2011032</i>	<i>03/12/20</i>	<i>03/12/20</i>	<i>EPA 8015D</i>	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2011033	03/12/20	03/12/20	EPA 300.0/9056A	
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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/13/20 14:08

SW1-2'
P003062-05 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %		50-150	2011032	03/12/20	03/12/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011034	03/12/20	03/12/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011034	03/12/20	03/12/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		85.2 %		50-200	2011034	03/12/20	03/12/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.2 %		50-150	2011032	03/12/20	03/12/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2011033	03/12/20	03/12/20	EPA 300.0/9056A	
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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/13/20 14:08

SW2-2'
P003062-06 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %		50-150	2011032	03/12/20	03/12/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011034	03/12/20	03/12/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011034	03/12/20	03/12/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		86.7 %		50-200	2011034	03/12/20	03/12/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.2 %		50-150	2011032	03/12/20	03/12/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	26.3	20.0	mg/kg	1	2011033	03/12/20	03/12/20	EPA 300.0/9056A	
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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/13/20 14:08

SW3-2
P003062-07 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %		50-150	2011032	03/12/20	03/12/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011034	03/12/20	03/12/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011034	03/12/20	03/12/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		86.5 %		50-200	2011034	03/12/20	03/12/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.8 %		50-150	2011032	03/12/20	03/12/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2011033	03/12/20	03/12/20	EPA 300.0/9056A	
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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/13/20 14:08

SW4-2
P003062-08 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %		50-150	2011032	03/12/20	03/12/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011034	03/12/20	03/12/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011034	03/12/20	03/12/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		80.3 %		50-200	2011034	03/12/20	03/12/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.1 %		50-150	2011032	03/12/20	03/12/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2011033	03/12/20	03/12/20	EPA 300.0/9056A	
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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/13/20 14:08

SW5-2
P003062-09 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %		50-150	2011032	03/12/20	03/12/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011034	03/12/20	03/12/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011034	03/12/20	03/12/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		82.5 %		50-200	2011034	03/12/20	03/12/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.9 %		50-150	2011032	03/12/20	03/12/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2011033	03/12/20	03/12/20	EPA 300.0/9056A	
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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/13/20 14:08

SW6-2
P003062-10 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %		50-150	2011032	03/12/20	03/12/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011034	03/12/20	03/12/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011034	03/12/20	03/12/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		82.4 %		50-200	2011034	03/12/20	03/12/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011032	03/12/20	03/12/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.5 %		50-150	2011032	03/12/20	03/12/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2011033	03/12/20	03/12/20	EPA 300.0/9056A	
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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/13/20 14:08

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 2011032 - Purge and Trap EPA 5030A

Blank (2011032-BLK1)

Prepared: 03/12/20 0 Analyzed: 03/12/20 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 8.45 " 8.00 106 50-150

LCS (2011032-BS1)

Prepared: 03/12/20 0 Analyzed: 03/12/20 1

Benzene	4.41	0.0250	mg/kg	5.00		88.2	70-130			
Toluene	4.79	0.0250	"	5.00		95.9	70-130			
Ethylbenzene	4.96	0.0250	"	5.00		99.2	70-130			
p,m-Xylene	9.90	0.0500	"	10.0		99.0	70-130			
o-Xylene	5.01	0.0250	"	5.00		100	70-130			
Total Xylenes	14.9	0.0250	"	15.0		99.4	0-200			

Surrogate: 4-Bromochlorobenzene-PID 8.70 " 8.00 109 50-150

Matrix Spike (2011032-MS1)

Source: P003058-01

Prepared: 03/12/20 0 Analyzed: 03/12/20 1

Benzene	4.25	0.0250	mg/kg	5.00	ND	85.0	54.3-133			
Toluene	4.64	0.0250	"	5.00	ND	92.8	61.4-130			
Ethylbenzene	4.81	0.0250	"	5.00	ND	96.2	61.4-133			
p,m-Xylene	9.61	0.0500	"	10.0	ND	96.1	63.3-131			
o-Xylene	4.86	0.0250	"	5.00	ND	97.1	63.3-131			
Total Xylenes	14.5	0.0250	"	15.0	ND	96.4	0-200			

Surrogate: 4-Bromochlorobenzene-PID 8.89 " 8.00 111 50-150

Matrix Spike Dup (2011032-MSD1)

Source: P003058-01

Prepared: 03/12/20 0 Analyzed: 03/12/20 1

Benzene	4.34	0.0250	mg/kg	5.00	ND	86.8	54.3-133	2.04	20	
Toluene	4.74	0.0250	"	5.00	ND	94.7	61.4-130	2.03	20	
Ethylbenzene	4.92	0.0250	"	5.00	ND	98.3	61.4-133	2.20	20	
p,m-Xylene	9.82	0.0500	"	10.0	ND	98.2	63.3-131	2.18	20	
o-Xylene	4.97	0.0250	"	5.00	ND	99.4	63.3-131	2.28	20	
Total Xylenes	14.8	0.0250	"	15.0	ND	98.6	0-200	2.21	200	

Surrogate: 4-Bromochlorobenzene-PID 8.67 " 8.00 108 50-150

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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/13/20 14:08

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 2011034 - DRO Extraction EPA 3570

Blank (2011034-BLK1)

Prepared & Analyzed: 03/12/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	44.3		"	50.0		88.5	50-200			

LCS (2011034-BS1)

Prepared & Analyzed: 03/12/20 1

Diesel Range Organics (C10-C28)	442	25.0	mg/kg	500		88.3	38-132			
Surrogate: n-Nonane	48.5		"	50.0		97.1	50-200			

Matrix Spike (2011034-MS1)

Source: P003062-01

Prepared & Analyzed: 03/12/20 1

Diesel Range Organics (C10-C28)	425	25.0	mg/kg	500	ND	85.1	38-132			
Surrogate: n-Nonane	46.3		"	50.0		92.6	50-200			

Matrix Spike Dup (2011034-MSD1)

Source: P003062-01

Prepared & Analyzed: 03/12/20 1

Diesel Range Organics (C10-C28)	421	25.0	mg/kg	500	ND	84.2	38-132	1.01	20	
Surrogate: n-Nonane	46.1		"	50.0		92.3	50-200			

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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/13/20 14:08

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 2011032 - Purge and Trap EPA 5030A

Blank (2011032-BLK1)

Prepared: 03/12/20 0 Analyzed: 03/12/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		"	8.00		92.5	50-150			

LCS (2011032-BS2)

Prepared: 03/12/20 0 Analyzed: 03/12/20 1

Gasoline Range Organics (C6-C10)	48.8	20.0	mg/kg	50.0		97.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		"	8.00		95.6	50-150			

Matrix Spike (2011032-MS2)

Source: P003058-01

Prepared: 03/12/20 0 Analyzed: 03/12/20 1

Gasoline Range Organics (C6-C10)	46.8	20.0	mg/kg	50.0	ND	93.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		"	8.00		94.0	50-150			

Matrix Spike Dup (2011032-MSD2)

Source: P003058-01

Prepared: 03/12/20 0 Analyzed: 03/12/20 1

Gasoline Range Organics (C6-C10)	47.5	20.0	mg/kg	50.0	ND	95.0	70-130	1.52	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		"	8.00		94.8	50-150			

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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/13/20 14:08

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 2011033 - Anion Extraction EPA 300.0/9056A**Blank (2011033-BLK1)**

Prepared & Analyzed: 03/12/20 1

Chloride ND 20.0 mg/kg

LCS (2011033-BS1)

Prepared & Analyzed: 03/12/20 1

Chloride 253 20.0 mg/kg 250 101 90-110

Matrix Spike (2011033-MS1)**Source: P003062-01**

Prepared & Analyzed: 03/12/20 1

Chloride 257 20.0 mg/kg 250 ND 103 80-120

Matrix Spike Dup (2011033-MSD1)**Source: P003062-01**

Prepared & Analyzed: 03/12/20 1

Chloride 255 20.0 mg/kg 250 ND 102 80-120 0.629 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:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/13/20 14:08

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>12-pack</u>					Attention: <u>Natalie Gladdey</u>					Lab WO# <u>P003062</u>				Job Number <u>19054-0003</u>		1D <u>✓</u> 3D <u>✓</u>		RCRA		CWA		SDWA	
Project Manager: <u>Luis Salgado</u>					Address:					Analysis and Method													
Address:					City, State, Zip																		
City, State, Zip					Phone:																		
Phone:					Email: <u>Ngladdey@shungny-hor.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			BDOC - NM	BDOC - TX								
8:29	3/8/20	S	1	Sp8-4	1									Y									
9:00				Sp9-4	2									X									
9:23				Sp10-4	3									X									
9:49				Sp11-4	4									X									
10:23				SW1-2	5									X									
11:13				SW2-2	6									X									
11:43				SW3-2	7									X									
12:17				SW4-2	8									X									
1:20				SW5-2	9									X									
1:45				SW6-2	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:												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>		<u>3/11/20</u>		<u>0600</u>		<u>[Signature]</u>		<u>3/11/20</u>		<u>0600</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>3/11/20</u>		<u>1250</u>		<u>[Signature]</u>		<u>3-11-2020</u>		<u>1250</u>													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C <u>4</u>											
<u>[Signature]</u>		<u>3-11-2020</u>		<u>1510</u>		<u>[Signature]</u>		<u>3/12/20</u>		<u>9:45</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: 3/13/2020

Job Number: 19054-0003

Work Order: P003072

Project Name/Location: 12-Pack

Report Reviewed By:

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

Date: 3/16/20

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:	12-Pack	Reported: 03/16/20 16:43
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Background North	P003072-01A	Soil	03/11/20	03/13/20	Glass Jar, 4 oz.
Background South	P003072-02A	Soil	03/11/20	03/13/20	Glass Jar, 4 oz.

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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/16/20 16:43

**Background North
P003072-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011045	03/13/20	03/13/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011045	03/13/20	03/13/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011045	03/13/20	03/13/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011045	03/13/20	03/13/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011045	03/13/20	03/13/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011045	03/13/20	03/13/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.1 %		50-150	2011045	03/13/20	03/13/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011044	03/13/20	03/13/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011044	03/13/20	03/13/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		85.0 %		50-200	2011044	03/13/20	03/13/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011045	03/13/20	03/13/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.4 %		50-150	2011045	03/13/20	03/13/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2011041	03/13/20	03/13/20	EPA 300.0/9056A	
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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/16/20 16:43

**Background South
P003072-02 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2011045	03/13/20	03/13/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011045	03/13/20	03/13/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011045	03/13/20	03/13/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011045	03/13/20	03/13/20	EPA 8021B	
o-Xylene	0.0284	0.0250	mg/kg	1	2011045	03/13/20	03/13/20	EPA 8021B	
Total Xylenes	0.0284	0.0250	mg/kg	1	2011045	03/13/20	03/13/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		<i>107 %</i>		<i>50-150</i>	<i>2011045</i>	<i>03/13/20</i>	<i>03/13/20</i>	<i>EPA 8021B</i>	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011044	03/13/20	03/13/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011044	03/13/20	03/13/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>84.5 %</i>		<i>50-200</i>	<i>2011044</i>	<i>03/13/20</i>	<i>03/13/20</i>	<i>EPA 8015D</i>	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011045	03/13/20	03/13/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		<i>86.1 %</i>		<i>50-150</i>	<i>2011045</i>	<i>03/13/20</i>	<i>03/13/20</i>	<i>EPA 8015D</i>	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2011041	03/13/20	03/13/20	EPA 300.0/9056A	
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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/16/20 16:43

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 2011045 - Purge and Trap EPA 5030A

Blank (2011045-BLK1)

Prepared & Analyzed: 03/13/20 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 8.36 " 8.00 104 50-150

LCS (2011045-BS1)

Prepared & Analyzed: 03/13/20 1

Benzene	5.00	0.0250	mg/kg	5.00		99.9	70-130			
Toluene	5.12	0.0250	"	5.00		102	70-130			
Ethylbenzene	5.08	0.0250	"	5.00		102	70-130			
p,m-Xylene	10.1	0.0500	"	10.0		101	70-130			
o-Xylene	5.04	0.0250	"	5.00		101	70-130			
Total Xylenes	15.1	0.0250	"	15.0		101	0-200			

Surrogate: 4-Bromochlorobenzene-PID 8.66 " 8.00 108 50-150

Matrix Spike (2011045-MS1)

Source: P003066-01

Prepared: 03/13/20 1 Analyzed: 03/16/20 1

Benzene	5.03	0.0250	mg/kg	5.00	ND	101	54.3-133			
Toluene	5.08	0.0250	"	5.00	ND	102	61.4-130			
Ethylbenzene	4.96	0.0250	"	5.00	ND	99.1	61.4-133			
p,m-Xylene	9.83	0.0500	"	10.0	ND	98.3	63.3-131			
o-Xylene	4.97	0.0250	"	5.00	ND	99.4	63.3-131			
Total Xylenes	14.8	0.0250	"	15.0	ND	98.7	0-200			

Surrogate: 4-Bromochlorobenzene-PID 8.01 " 8.00 100 50-150

Matrix Spike Dup (2011045-MSD1)

Source: P003066-01

Prepared & Analyzed: 03/13/20 1

Benzene	5.01	0.0250	mg/kg	5.00	ND	100	54.3-133	0.382	20	
Toluene	5.07	0.0250	"	5.00	ND	101	61.4-130	0.0975	20	
Ethylbenzene	5.04	0.0250	"	5.00	ND	101	61.4-133	1.64	20	
p,m-Xylene	9.99	0.0500	"	10.0	ND	99.9	63.3-131	1.59	20	
o-Xylene	4.98	0.0250	"	5.00	ND	99.7	63.3-131	0.265	20	
Total Xylenes	15.0	0.0250	"	15.0	ND	99.8	0-200	1.15	200	

Surrogate: 4-Bromochlorobenzene-PID 8.77 " 8.00 110 50-150

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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/16/20 16:43

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 2011044 - DRO Extraction EPA 3570

Blank (2011044-BLK1)

Prepared & Analyzed: 03/13/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	42.6		"	50.0		85.1	50-200			

LCS (2011044-BS1)

Prepared & Analyzed: 03/13/20 1

Diesel Range Organics (C10-C28)	448	25.0	mg/kg	500		89.6	38-132			
Surrogate: n-Nonane	47.3		"	50.0		94.6	50-200			

Matrix Spike (2011044-MS1)

Source: P003072-01

Prepared & Analyzed: 03/13/20 1

Diesel Range Organics (C10-C28)	422	25.0	mg/kg	500	ND	84.4	38-132			
Surrogate: n-Nonane	40.4		"	50.0		80.8	50-200			

Matrix Spike Dup (2011044-MSD1)

Source: P003072-01

Prepared & Analyzed: 03/13/20 1

Diesel Range Organics (C10-C28)	418	25.0	mg/kg	500	ND	83.5	38-132	0.991	20	
Surrogate: n-Nonane	40.1		"	50.0		80.3	50-200			

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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/16/20 16:43

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 2011045 - Purge and Trap EPA 5030A

Blank (2011045-BLK1)

Prepared & Analyzed: 03/13/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.88		"	8.00		86.0	50-150			

LCS (2011045-BS2)

Prepared & Analyzed: 03/13/20 1

Gasoline Range Organics (C6-C10)	44.6	20.0	mg/kg	50.0		89.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.88		"	8.00		86.0	50-150			

Matrix Spike (2011045-MS2)

Source: P003066-01

Prepared & Analyzed: 03/13/20 1

Gasoline Range Organics (C6-C10)	46.0	20.0	mg/kg	50.0	ND	92.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.08		"	8.00		88.5	50-150			

Matrix Spike Dup (2011045-MSD2)

Source: P003066-01

Prepared & Analyzed: 03/13/20 1

Gasoline Range Organics (C6-C10)	47.3	20.0	mg/kg	50.0	ND	94.5	70-130	2.64	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.08		"	8.00		88.4	50-150			

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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/16/20 16:43

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 2011041 - Anion Extraction EPA 300.0/9056A**Blank (2011041-BLK1)**

Prepared: 03/13/20 0 Analyzed: 03/14/20 0

Chloride	ND	20.0	mg/kg							
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LCS (2011041-BS1)

Prepared: 03/13/20 0 Analyzed: 03/13/20 1

Chloride	252	20.0	mg/kg	250		101	90-110			
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Matrix Spike (2011041-MS1)**Source: P003065-01**

Prepared: 03/13/20 0 Analyzed: 03/13/20 1

Chloride	283	20.0	mg/kg	250	30.4	101	80-120			
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Matrix Spike Dup (2011041-MSD1)**Source: P003065-01**

Prepared: 03/13/20 0 Analyzed: 03/13/20 1

Chloride	285	20.0	mg/kg	250	30.4	102	80-120	0.518	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:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/16/20 16:43

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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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 3/11/20	Time	Received by: (Signature) _____	Date 3/11/20	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) _____	Date 3/12/20	Time 10:30	Received by: (Signature) _____	Date 3-12-2020	Time 1030	
Relinquished by: (Signature) _____	Date 3-12-2020	Time 1500	Received by: (Signature) _____	Date 3/13/20	Time 10:30	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.						



Analytical Report

Report Summary

Client: Spur

Samples Received: 3/19/2020

Job Number: 19054-0003

Work Order: P003098

Project Name/Location: 12-Pack

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is placed over a light blue rectangular background.

Date: 3/19/20

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:	12-Pack	Reported: 03/19/20 15:55
PO Box 1058	Project Number:	19054-0003	
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Composite Mix	P003098-01A	Soil	03/16/20	03/19/20	Glass Jar, 4 oz.
SW1- Composite	P003098-02A	Soil	03/16/20	03/19/20	Glass Jar, 4 oz.
SW2- Composite	P003098-03A	Soil	03/16/20	03/19/20	Glass Jar, 4 oz.
SW3- Composite	P003098-04A	Soil	03/16/20	03/19/20	Glass Jar, 4 oz.
SW4- Composite	P003098-05A	Soil	03/16/20	03/19/20	Glass Jar, 4 oz.

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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/19/20 15:55

**Composite Mix
P003098-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %		50-150	2012025	03/19/20	03/19/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	134	25.0	mg/kg	1	2012019	03/19/20	03/19/20	EPA 8015D	
Oil Range Organics (C28-C40)	159	50.0	mg/kg	1	2012019	03/19/20	03/19/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		81.3 %		50-200	2012019	03/19/20	03/19/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.6 %		50-150	2012025	03/19/20	03/19/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2012026	03/19/20	03/19/20	EPA 300.0/9056A	
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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/19/20 15:55

**SW1- Composite
P003098-02 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		<i>102 %</i>		<i>50-150</i>	<i>2012025</i>	<i>03/19/20</i>	<i>03/19/20</i>	<i>EPA 8021B</i>	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2012019	03/19/20	03/19/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012019	03/19/20	03/19/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>74.9 %</i>		<i>50-200</i>	<i>2012019</i>	<i>03/19/20</i>	<i>03/19/20</i>	<i>EPA 8015D</i>	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		<i>86.5 %</i>		<i>50-150</i>	<i>2012025</i>	<i>03/19/20</i>	<i>03/19/20</i>	<i>EPA 8015D</i>	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2012026	03/19/20	03/19/20	EPA 300.0/9056A	
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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/19/20 15:55

**SW2- Composite
P003098-03 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %		50-150	2012025	03/19/20	03/19/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2012019	03/19/20	03/19/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012019	03/19/20	03/19/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		82.5 %		50-200	2012019	03/19/20	03/19/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.7 %		50-150	2012025	03/19/20	03/19/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2012026	03/19/20	03/19/20	EPA 300.0/9056A	
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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/19/20 15:55

**SW3- Composite
P003098-04 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %		50-150	2012025	03/19/20	03/19/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2012019	03/19/20	03/19/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012019	03/19/20	03/19/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		74.1 %		50-200	2012019	03/19/20	03/19/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.9 %		50-150	2012025	03/19/20	03/19/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2012026	03/19/20	03/19/20	EPA 300.0/9056A	
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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/19/20 15:55

**SW4- Composite
P003098-05 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %		50-150	2012025	03/19/20	03/19/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2012019	03/19/20	03/19/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012019	03/19/20	03/19/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		80.8 %		50-200	2012019	03/19/20	03/19/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012025	03/19/20	03/19/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %		50-150	2012025	03/19/20	03/19/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2012026	03/19/20	03/19/20	EPA 300.0/9056A	
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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/19/20 15:55

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 2012025 - Purge and Trap EPA 5030A

Blank (2012025-BLK1)

Prepared & Analyzed: 03/18/20 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 8.09 " 8.00 101 50-150

LCS (2012025-BS1)

Prepared & Analyzed: 03/18/20 1

Benzene	5.10	0.0250	mg/kg	5.00		102	70-130			
Toluene	5.12	0.0250	"	5.00		102	70-130			
Ethylbenzene	5.12	0.0250	"	5.00		102	70-130			
p,m-Xylene	10.2	0.0500	"	10.0		102	70-130			
o-Xylene	5.12	0.0250	"	5.00		102	70-130			
Total Xylenes	15.4	0.0250	"	15.0		102	0-200			

Surrogate: 4-Bromochlorobenzene-PID 8.40 " 8.00 105 50-150

Matrix Spike (2012025-MS1)

Source: P003095-01

Prepared & Analyzed: 03/18/20 1

Benzene	5.21	0.0250	mg/kg	5.00	ND	104	54.3-133			
Toluene	5.23	0.0250	"	5.00	ND	105	61.4-130			
Ethylbenzene	5.23	0.0250	"	5.00	ND	105	61.4-133			
p,m-Xylene	10.4	0.0500	"	10.0	ND	104	63.3-131			
o-Xylene	5.23	0.0250	"	5.00	ND	105	63.3-131			
Total Xylenes	15.7	0.0250	"	15.0	ND	104	0-200			

Surrogate: 4-Bromochlorobenzene-PID 8.43 " 8.00 105 50-150

Matrix Spike Dup (2012025-MSD1)

Source: P003095-01

Prepared & Analyzed: 03/18/20 1

Benzene	5.04	0.0250	mg/kg	5.00	ND	101	54.3-133	3.23	20	
Toluene	5.04	0.0250	"	5.00	ND	101	61.4-130	3.67	20	
Ethylbenzene	5.03	0.0250	"	5.00	ND	101	61.4-133	3.80	20	
p,m-Xylene	10.1	0.0500	"	10.0	ND	101	63.3-131	3.77	20	
o-Xylene	5.05	0.0250	"	5.00	ND	101	63.3-131	3.52	20	
Total Xylenes	15.1	0.0250	"	15.0	ND	101	0-200	3.68	200	

Surrogate: 4-Bromochlorobenzene-PID 8.52 " 8.00 106 50-150

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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/19/20 15:55

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 2012019 - DRO Extraction EPA 3570

Blank (2012019-BLK1)

Prepared & Analyzed: 03/18/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	43.7		"	50.0		87.3	50-200			

LCS (2012019-BS1)

Prepared: 03/18/20 1 Analyzed: 03/18/20 2

Diesel Range Organics (C10-C28)	432	25.0	mg/kg	500		86.4	38-132			
Surrogate: n-Nonane	46.0		"	50.0		92.0	50-200			

Matrix Spike (2012019-MS1)

Source: P003096-01

Prepared: 03/18/20 1 Analyzed: 03/18/20 2

Diesel Range Organics (C10-C28)	419	25.0	mg/kg	500	ND	83.9	38-132			
Surrogate: n-Nonane	44.9		"	50.0		89.7	50-200			

Matrix Spike Dup (2012019-MSD1)

Source: P003096-01

Prepared: 03/18/20 1 Analyzed: 03/18/20 2

Diesel Range Organics (C10-C28)	424	25.0	mg/kg	500	ND	84.8	38-132	1.08	20	
Surrogate: n-Nonane	44.0		"	50.0		87.9	50-200			

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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/19/20 15:55

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 2012025 - Purge and Trap EPA 5030A

Blank (2012025-BLK1)

Prepared & Analyzed: 03/18/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		"	8.00		94.6	50-150			

LCS (2012025-BS2)

Prepared & Analyzed: 03/18/20 1

Gasoline Range Organics (C6-C10)	47.1	20.0	mg/kg	50.0		94.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		"	8.00		92.8	50-150			

Matrix Spike (2012025-MS2)

Source: P003095-01

Prepared & Analyzed: 03/18/20 1

Gasoline Range Organics (C6-C10)	47.1	20.0	mg/kg	50.0	ND	94.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		"	8.00		95.1	50-150			

Matrix Spike Dup (2012025-MSD2)

Source: P003095-01

Prepared & Analyzed: 03/18/20 1

Gasoline Range Organics (C6-C10)	47.3	20.0	mg/kg	50.0	ND	94.6	70-130	0.442	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		"	8.00		94.3	50-150			

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Spur	Project Name:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/19/20 15:55

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 2012026 - Anion Extraction EPA 300.0/9056A**Blank (2012026-BLK1)**

Prepared & Analyzed: 03/19/20 0

Chloride	ND	20.0	mg/kg							
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LCS (2012026-BS1)

Prepared: 03/19/20 0 Analyzed: 03/19/20 1

Chloride	252	20.0	mg/kg	250		101	90-110			
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Matrix Spike (2012026-MS1)**Source: P003097-01**

Prepared: 03/19/20 0 Analyzed: 03/19/20 1

Chloride	262	20.0	mg/kg	250	ND	105	80-120			
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Matrix Spike Dup (2012026-MSD1)**Source: P003097-01**

Prepared: 03/19/20 0 Analyzed: 03/19/20 1

Chloride	261	20.0	mg/kg	250	ND	104	80-120	0.210	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:	12-Pack	
PO Box 1058	Project Number:	19054-0003	Reported:
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/19/20 15:55

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.

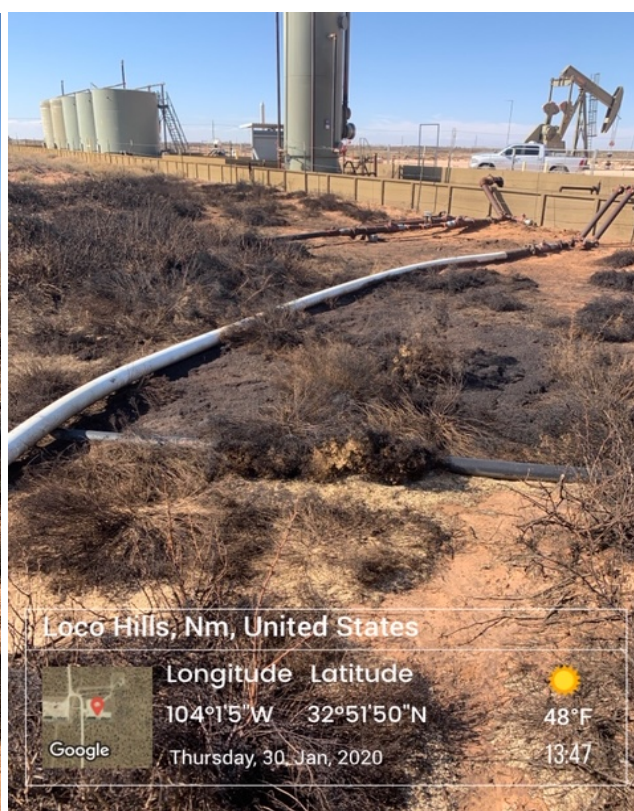
Soil data is reported on an "as received" weight basis, unless reported otherwise.

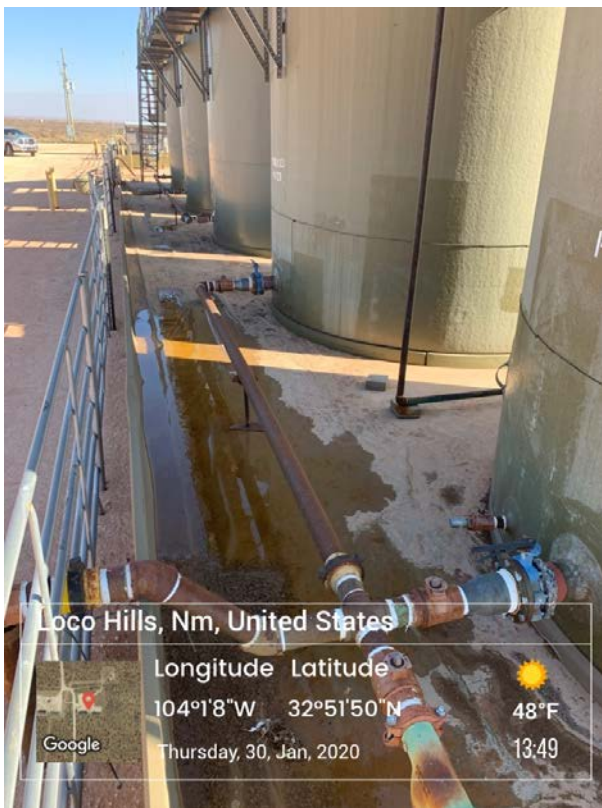
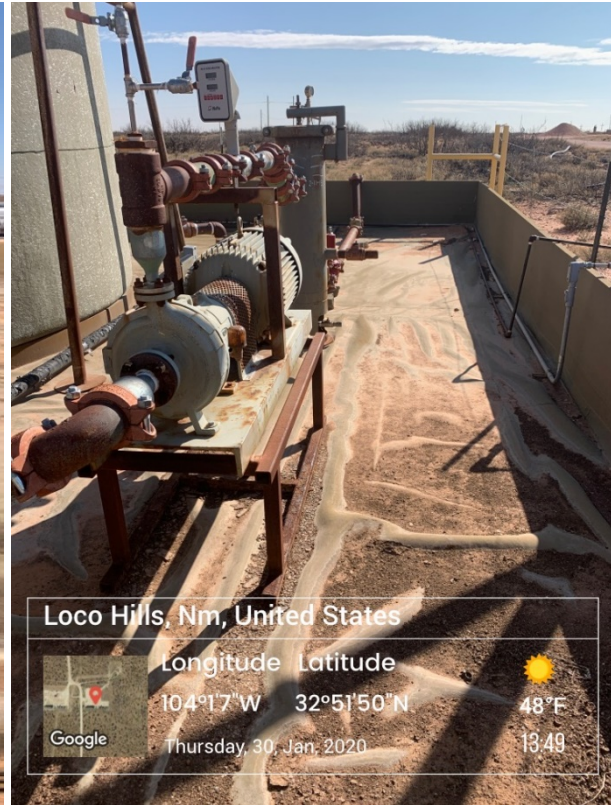
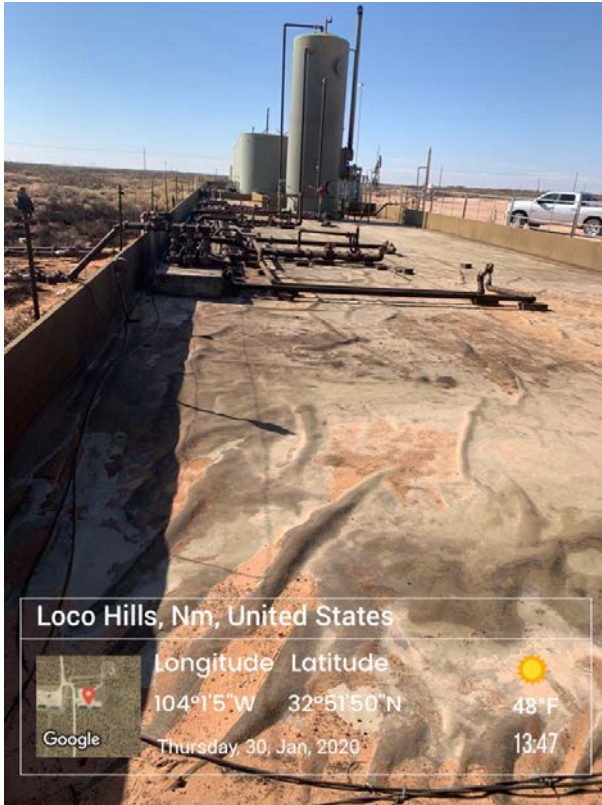
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envirotech
Analytical Laboratory

**TWELVE-PACK FEDERAL COM #4H BATTERY****BEGINNING PHOTOS – RELEASE DATE 10/06/2019**







TWELVE-PACK FEDERAL COM #4H BATTERY
DURING PHOTOS – RELEASE DATE 10/06/2019











TWELVE PACK FEDERAL COM #4H BATTERY

FINAL PHOTOS – RELEASE DATE 10/06/2019





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?	80' (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas 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 1/2-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: Natalie Gladden Title: Environmental and Regulatory Director

Signature:

Natalie Gladden

Date:

5-13-2020

email: ngladden@hungry-horse.com

Telephone: 575-390-6397

OCD Only

Received by: _____

Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

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

Signature: Natalie Gladden Date: 5-13-2020email: nagladden@hungry-horse.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 RegulatorySignature:  Date: 5-13-20email: ngladden@hungry-horse.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: _____