SPUR ENERGY PARTNERS

W D MCINTYRE E SW

CLOSURE REPORT

RP NO. 2RP-5660
INCIDENT ID: NAB1928442677
Release Date: 09/12/2019

U/L N, Section 20, Township 17S, Range 30E
Eddy County, New Mexico

06/13/2020

Prepared by:

ESS

7 W Compress Road
Artesia, NM 88210

June 13, 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
C/O Braidy Moulder
920 Memorial City Way, Suite 1000
Houston, TX 77024

SUBJECT: Closure Request for Spur Energy Partners – WD McIntyre E SW
2RP-5660
U/L N, Section 20, Township 17S, Range 30E
Eddy County, New Mexico

To Whom It May Concern,

On behalf of Spur Energy Partners, Energy Staffing & Services (ESS) has prepared this CLOSURE REPORT that describes the assessment, delineation and remediation associated with the WD McIntyre E SW, dated September 12th, 2019 with RP# 2RP-5660. The filing of this environmental release was issued an Incident ID of NAB1928442677 by the NMOCD.

BACKGROUND

This site is located in Eddy County, New Mexico. The release was discovered on September 12th, 2019. The release was caused by an alarm failure which resulted in a tank overflow. The

release was within an unlined berm. Approximately 1bbl of crude oil and 34bbls of produced water were released. A vacuum truck was dispatched to the site and recovered approximately 0.5bbls of crude oil and 33bbls of produced water which were hauled to an approved disposal site and disposed of. The alarm was repaired. The approximate area of impact was 1061.925 sq. ft. The approved corresponding C-141 for the release is attached.

GROUNDWATER RESEARCH

ESS has conducted a groundwater study of this site. It has been determined that according to the New Mexico Office of the State Engineer that the closest well to the site is 1,092' with a water depth of 80'bgs (below ground surface). The top three wells are listed below:

RA 11914 POD1 is 1093' from the site with water depth of 80'bgs.
RA 11807 POD1 is 6674' from the site with water depth of 76'bgs.
RA 11590 POD4 is 9491' from the site showing no water depth.

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

The Closure Criteria for Soils Impacted by a Release is shown below. Based on groundwater of 80'bgs the site falls in the 50-100'depth criteria. Please see the groundwater data and map attached.

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

KARST RESEARCH

The Karst Mapping Data found for this site shows the site is located inside the low area marked in green. Please see the attached Karst Map. With the Karst and Ground Water Determination

for this site, the Closure Criteria remains as listed above in the Groundwater Section of this report.

DELINEATION AND REMEDIATION

On March 18th, 2020, Hungry Horse, LLC dispatched a crew to the location to begin delineation. The site was sampled both vertically and horizontally. There were six vertical sample points obtained. The site was sampled at 1' intervals by use of hand auger. The samples were tested in the field via the titration method as recommended by the NMOCD. A PID Meter was also on site to detect concentrations of TPH. In the table below, you will find the surface samples as titrated in the field:

Ver Sam ID	Depth	Titr/Chl
SP 1	SURF	800
SP 2	SURF	400
SP 3	SURF	160
SP 4	SURF	80
SP 5	SURF	160
SP 6	SURF	880

Following the testing of surface samples, the site was fully delineated vertically to determine the depth of the impacted soil. Each sample was titrated in the field then jarred and sent to Envirotech Laboratory for confirmation. Below you will find the verified samples as confirmed by Envirotech.

Ver Sam ID	Depth	Titr/Chl	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL
SP 1	5'	480	ND	ND	ND	ND	ND	273
SP 2	2'	320	ND	ND	ND	ND	ND	1490
SP 3	6'	80	0.276	1200	444	ND	1644	342
SP 4	3'	160	ND	111	62	ND	173	262
SP 5	2'	160	ND	ND	ND	ND	ND	ND
SP 6	10'	960	ND	ND	ND	ND	ND	811

As you can see, all of the confirmed samples were well within proscribed limits set forth in the Closure Criteria for Soil Impacted by a Release in the 50-100' range, except for SP3 where the DRO (Diesel Range Organics) were above the 1000 mg/kg required concentrations.

Following vertical delineation, full horizontal delineation began. The site was fully delineated horizontally to ascertain the outside edges of the impacted soil. Seven sidewall samples were

obtained using 1' increments. Each sample was titrated in the field then jarred and sent to Envirotech Laboratory for confirmation. Below you will find the verified samples as confirmed by Envirotech.

SP ID	Depth	Titration	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL
SW 1	2'	160	ND	ND	ND	ND	ND	218
SW 2	3'	160	ND	ND	ND	ND	ND	167
SW 3	2'	80	ND	ND	ND	ND	ND	28.2
SW 4	2'	240	ND	25.7	ND	ND	25.7	567
SW 5	2'	160	ND	ND	ND	ND	ND	176
SW 6	2'	80	ND	ND	ND	ND	ND	ND
SW 7	2'	160	ND	ND	ND	ND	ND	248

As shown in the above table of horizontally delineated sidewalls, all of the confirmed samples were well within the required limits set forth in the Closure Criteria for Soils Impacted by a Release in the 50-100' range.

Upon receipt of the confirmation sidewall samples, it was agreed between Spur Energy Partners and Hungry Horse, LLC that 2'bgs would be excavated from the impacted area. Excavating to 2'bgs would protect the integrity of the production equipment. Hungry Horse then proceeded with the excavation. Impacted soil was hand excavated by use of shovel and stockpiled onto plastic. The impacted soil was then hauled to Lea Landfill for disposal. Clean soil was backhauled and stockpiled. Once the site was fully excavated, an email was sent to NMOCD and BLM requesting witnessing of closure samples. Closure samples were obtained on March 23rd, 2020. A composite sample which included five bottom hole samples was obtained as well as sidewall samples. Each of the samples were tested in the field using the titration method. The samples were then jarred and sent to Envirotech Laboratory for final confirmation. The table below shows the results of the confirmed closure samples.

SP ID	Titration	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL
COMP	400	ND	27.2	ND	ND	27.2	49.5
SW1	400	ND	ND	ND	ND	ND	114
SW2	400	ND	ND	ND	ND	ND	204
SW3	240	ND	ND	ND	ND	ND	23.7
SW4	240	ND	ND	ND	ND	ND	ND

Following receipt of the confirmed closure sample data, the site was backfilled with clean soil.

During the site assessment, a small, incidental, non-reportable area of approximately 163.519 sq. ft. was located behind the facility berm which is located on the production pad. The area was excavated to 4'bgs, impacted soil was hauled to Lea Landfill for disposal and backfilled with

clean soil. No samples were taken due to this being a non-reportable release to the pad that was not associated with this reportable release.

SCOPE OF WORK AND LIMITATIONS

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

On behalf of Spur Energy Partners and Energy Staffing & Services, we respectfully request closure on the release associated with the WD McIntyre E SW. If you have any questions or concerns, please direct them to Natalie Gladden, Director of Environmental and Regulatory Services for Energy Staffing & Services. I can be contacted either via cell phone at (575) 390-6397 or via email at natalie@energystaffingllc.com.

Sincerely,

Natalie Gladden
Director of Environment & Regulatory Services
Energy Staffing & Services 7 W Compress Road
Artesia, NM 88210

ATTACHMENTS:

- Initial C-141
- Groundwater Data and Map
- Site Map
- Karst Map
- Sample Data
- Sample Map
- Lab Analysis
- Photo Pages
- 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 1JFRW-190925-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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

☐ The source of the release has been stopped.
☐ The impacted area has been secured to protect human health and the environment.
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: _____ Title: _____

Signature: DeAnn Grant _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: *Amalia Bustamante* _____ Date: *10/11/2019* _____

New Mexico Office of the State Engineer

Wells with Well Log Information

No wells found.

UTMNAD83 Radius Search (in meters):

Easting (X): 594025 **Northing (Y):** 3631232.54 **Radius:** 1000

New Mexico Office of the State Engineer

Wells with Well Log Information

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(in feet)

POD Number	Code	POD Subbasin	County	Source	q 64	q 16	q 4	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
RA 11914 POD1		RA	ED	Shallow	2	4	2	20	17S	30E	594801	3632002	1093	03/19/2013	03/19/2013	04/09/2013	85	80	JOHN NORRIS	1682

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 594025 **Northing (Y):** 3631232.54 **Radius:** 5000

New Mexico Office of the State Engineer

Wells with Well Log Information

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right) (R=POD has been replaced, O=orphaned, C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters) (in feet)

POD Number	Code	POD Subbasin	County	Source	q 64	q 16	q 4	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
RA 11914 POD1		RA	ED	Shallow	2	4	2	20	17S	30E	594801	3632002	1093	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	6674	11/23/2012	11/26/2012	03/26/2013	131	76	TAYLOR, CLINTON E.	1348
RA 11590 POD4		RA	ED		4	1	1	32	17S	31E	603308	3629253	9491	01/21/2010	01/22/2010	04/23/2010	55			225
RA 11590 POD1		RA	ED		2	1	3	32	17S	31E	603315	3628545	9670	01/20/2010	01/26/2010	04/23/2010	158			225

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 594025 **Northing (Y):** 3631232.54 **Radius:** 10000

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 **Plug Date:**

Log File Date: 03/26/2013 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 4 GPM

Casing Size: 4.50 **Depth Well:** 131 feet **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 11590 POD4	4	1	1	32	17S	31E	603308	3629253

Driller License: 225 **Driller Company:** RODGERS & CO., INC.
Driller Name:

Drill Start Date: 01/21/2010 **Drill Finish Date:** 01/22/2010 **Plug Date:**
Log File Date: 04/23/2010 **PCW Rcv Date:** **Source:**
Pump Type: **Pipe Discharge Size:** **Estimated Yield:**
Casing Size: **Depth Well:** 55 feet **Depth Water:**

SPUR ENERGY

WD MCINTYRE E SW BATTERY
DOR: 9.12.19
GROUND WATER MAP

RA 11087 POD 1 - 6674' FR SITE 76' DGW

RA 11914 POD 1 - 1092' FR SITE 85' DGW

WD MCINTYRE E SW BATTERY

82

Lovington Hwy

N

3 mi

Google Earth

SPUR ENERGY

WD MCINTYRE E SW BATTERY
DOR 9.12.19
2RP-5660

32.81507 -103.99559

N

300 ft

SPUR ENERGY

WD MCINTYRE E SW BATTERY
DOR: 9.12.19
KARST MAP: LOW

Legend
- High
- Low
- Medium
- WD MCINTYRE E SW BATTERY

172
249
121
31
Hwy 82
WD MCINTYRE E SW BATTERY
Loco Hills
82
529
Bermuda Rd
360
N
5 mi
Google Earth
Image Landsat / Copernicus

Company Name: SPUR Location Name: WD MCINTYRE E SW BTY Release Date: 9/12/2019

SP ID	Depth	Titr	PID	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL	Soil	Notes
SP 1	SURF	800									
	1'	3200									
	2'	5600									
	3'	2800									
	4'	800									
	5'	480		ND	ND	ND	ND	ND	273		LAB
SP 2	SURF	400									
	1'	360									
	2'	320		ND	ND	ND	ND	ND	1490		LAB
SP 3	SURF	160									
	1'	160									
	2'	80									TPH
	3'	80									TPH
	4'	80									TPH
	5'	80									
	6'	80		0.276	1200	444	ND	1644	342		LAB
SP 4	SURF	80									
	1'	400									
	2'	240									
	3'	160		ND	111	62	ND	173	262		LAB
SP 5	SURF	160									
	1'	160									
	2'	160		ND	ND	ND	ND	ND	ND		LAB
SP 6	SURF	880									
	1'	560									
	2'	2000									
	3'	2000									
	4'	2000									
	5'	2360									
	6'	2000									
	7'	1600									
	8'	1280									

	9'	1200									
	10'	960		ND	ND	ND	ND	ND	811		LAB
SW 1	SURF	160									
	1'	160									
	2'	160		ND	ND	ND	ND	ND	218		LAB
SW 2	SURF	80									
	1'	880									
	2'	400									
	3'	160		ND	ND	ND	ND	ND	167		LAB
SW 3	SURF	160									
	1'	80									
	2'	80		ND	ND	ND	ND	ND	28.2		LAB
SW 4	SURF	240									
	1'	240									
	2'			ND	25.7	ND	ND	25.7	567		LAB
SW 5	SURF	240									
	1'	1200									
	2'	160		ND	ND	ND	ND	ND	176		LAB
SW 6	SURF	160									
	1'	480									
	2'	80		ND	ND	ND	ND	ND	ND		LAB
SW 7	SURF	320									
	1'	80									
	2'	160		ND	ND	ND	ND	ND	248		LAB
COMPOSITES & BOTTOM HOLE SAMPLES											
SP1	COMP	560									
SP2	COMP	240									
SP3	COMP	400									
SP4	COMP	400									

SP5	COMP	320									
MIX	COMP	400		ND	27.2	ND	ND	27.2	49.5		
SW	1	400		ND	ND	ND	ND	ND	114		
SW	2	400		ND	ND	ND	ND	ND	204		
SW	3	240		ND	ND	ND	ND	ND	23.7		
SW	4	240		ND	ND	ND	ND	ND	ND		

Spur Energy Partners
WD Mcintyre E WS Tank Batt

Legend

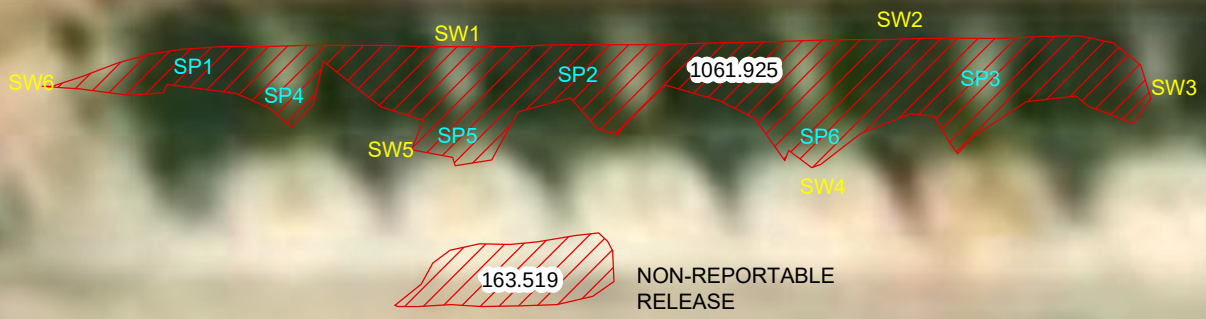
SpillArea

SAMPLE POINT GPS:

SP1: 32.815062 -103.995718
SP2: 32.815065 -103.995604
SP3: 32.815058 -103.995482
SP4: 32.815013 -103.995715
SP5: 32.815009 -103.995591
SP6: 32.815007 -103.995476

SIDEWALL SAMPLE POINT GPS:

SW1: 32.815072 -103.995682
SW2: 32.815073 -103.995550
SW3: 32.815025 -103.995463
SW4: 32.814999 -103.995528
SW5: 32.815002 -103.995656
SW6: 32.815025 -103.995786



0 4.25 8.5 17 25.5 34 Yards

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Spur

Samples Received: 3/19/2020
Job Number: 19054-0003
Work Order: P003100
Project Name/Location: WD McIntyre

Report Reviewed By: _____ Date: 3/20/20

Walter Hinchman, Laboratory Director

Supplement to analytical report generated on: 3/20/20 11:59 am

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.

envirotech
Analytical Laboratory

Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/20/20 14:31

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Sp1-5'	P003100-01A	Soil	03/18/20	03/19/20	Glass Jar, 4 oz.
Sp2-2'	P003100-02A	Soil	03/18/20	03/19/20	Glass Jar, 4 oz.
Sp3-6'	P003100-03A	Soil	03/18/20	03/19/20	Glass Jar, 4 oz.
Sp4-3'	P003100-04A	Soil	03/18/20	03/19/20	Glass Jar, 4 oz.
Sp5-2'	P003100-05A	Soil	03/18/20	03/19/20	Glass Jar, 4 oz.
Sp6 @ 10'	P003100-06A	Soil	03/18/20	03/19/20	Glass Jar, 4 oz.

envirotech
Analytical Laboratory

Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/20/20 14:31

Sp1-5'

P003100-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*		*50-150*	*2012028*	*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	2012027	03/19/20	03/19/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012027	03/19/20	03/19/20	EPA 8015D	
Surrogate: n-Nonane		*84.1 %*		*50-200*	*2012027*	*03/19/20*	*03/19/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*		*50-150*	*2012028*	*03/19/20*	*03/19/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**273**	20.0	mg/kg	1	2012026	03/19/20	03/19/20	EPA 300.0/9056A	

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/20/20 14:31

Sp2-2'

P003100-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*		*50-150*	*2012028*	*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	2012027	03/19/20	03/19/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012027	03/19/20	03/19/20	EPA 8015D	
Surrogate: n-Nonane		*86.5 %*		*50-200*	*2012027*	*03/19/20*	*03/19/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.0 %*		*50-150*	*2012028*	*03/19/20*	*03/19/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**1490**	40.0	mg/kg	2	2012026	03/19/20	03/19/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/20/20 14:31

Sp3-6'

P003100-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Ethylbenzene	**0.0860**	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
p,m-Xylene	**0.225**	0.0500	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
o-Xylene	**0.0511**	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Total Xylenes	**0.276**	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*		*50-150*	*2012028*	*03/19/20*	*03/19/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**1200**	25.0	mg/kg	1	2012027	03/19/20	03/19/20	EPA 8015D	
Oil Range Organics (C28-C40)	**444**	50.0	mg/kg	1	2012027	03/19/20	03/19/20	EPA 8015D	
Surrogate: n-Nonane		*97.7 %*		*50-200*	*2012027*	*03/19/20*	*03/19/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*		*50-150*	*2012028*	*03/19/20*	*03/19/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**342**	20.0	mg/kg	1	2012026	03/19/20	03/19/20	EPA 300.0/9056A	

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/20/20 14:31

Sp4-3'

P003100-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*		*50-150*	*2012028*	*03/19/20*	*03/19/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**111**	25.0	mg/kg	1	2012027	03/19/20	03/19/20	EPA 8015D	
Oil Range Organics (C28-C40)	**62.0**	50.0	mg/kg	1	2012027	03/19/20	03/19/20	EPA 8015D	
Surrogate: n-Nonane		*83.5 %*		*50-200*	*2012027*	*03/19/20*	*03/19/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.5 %*		*50-150*	*2012028*	*03/19/20*	*03/19/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**262**	20.0	mg/kg	1	2012026	03/19/20	03/19/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/20/20 14:31

Sp5-2'

P003100-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*		*50-150*	*2012028*	*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	2012027	03/19/20	03/19/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012027	03/19/20	03/19/20	EPA 8015D	
Surrogate: n-Nonane		*73.1 %*		*50-200*	*2012027*	*03/19/20*	*03/19/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.7 %*		*50-150*	*2012028*	*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:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/20/20 14:31

Sp6 @ 10'

P003100-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*50-150*		*2012028*	*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	2012027	03/19/20	03/19/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012027	03/19/20	03/19/20	EPA 8015D	
Surrogate: n-Nonane		*76.0 %*	*50-200*		*2012027*	*03/19/20*	*03/19/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012028	03/19/20	03/19/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*50-150*		*2012028*	*03/19/20*	*03/19/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**811**	20.0	mg/kg	1	2012026	03/19/20	03/19/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/20/20 14:31

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
Batch 2012028 - Purge and Trap EPA 5030A										
Blank (2012028-BLK1)				Prepared & Analyzed: 03/19/20 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	*8.52*		*"*	*8.00*		*106*	*50-150*			
LCS (2012028-BS1)				Prepared & Analyzed: 03/19/20 1						
Benzene	4.98	0.0250	mg/kg	5.00		99.7	70-130			
Toluene	5.01	0.0250	"	5.00		100	70-130			
Ethylbenzene	5.02	0.0250	"	5.00		100	70-130			
p,m-Xylene	10.0	0.0500	"	10.0		100	70-130			
o-Xylene	5.03	0.0250	"	5.00		101	70-130			
Total Xylenes	15.1	0.0250	"	15.0		100	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.53*		*"*	*8.00*		*107*	*50-150*			
Matrix Spike (2012028-MS1)		**Source: P003099-01**		Prepared & Analyzed: 03/19/20 1						
Benzene	5.04	0.0250	mg/kg	5.00	ND	101	54.3-133			
Toluene	5.06	0.0250	"	5.00	ND	101	61.4-130			
Ethylbenzene	5.05	0.0250	"	5.00	ND	101	61.4-133			
p,m-Xylene	10.1	0.0500	"	10.0	ND	101	63.3-131			
o-Xylene	5.05	0.0250	"	5.00	ND	101	63.3-131			
Total Xylenes	15.1	0.0250	"	15.0	ND	101	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.61*		*"*	*8.00*		*108*	*50-150*			
Matrix Spike Dup (2012028-MSD1)		**Source: P003099-01**		Prepared & Analyzed: 03/19/20 1						
Benzene	4.82	0.0250	mg/kg	5.00	ND	96.4	54.3-133	4.47	20	
Toluene	4.82	0.0250	"	5.00	ND	96.4	61.4-130	4.88	20	
Ethylbenzene	4.82	0.0250	"	5.00	ND	96.4	61.4-133	4.78	20	
p,m-Xylene	9.63	0.0500	"	10.0	ND	96.3	63.3-131	4.73	20	
o-Xylene	4.83	0.0250	"	5.00	ND	96.6	63.3-131	4.49	20	
Total Xylenes	14.5	0.0250	"	15.0	ND	96.4	0-200	4.65	200	
Surrogate: 4-Bromochlorobenzene-PID	*8.46*		*"*	*8.00*		*106*	*50-150*			

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/20/20 14:31

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
Batch 2012027 - DRO Extraction EPA 3570										
Blank (2012027-BLK1)				Prepared & Analyzed: 03/19/20 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	*50.8*		*"*	*50.0*		*102*	*50-200*			
LCS (2012027-BS1)				Prepared & Analyzed: 03/19/20 1						
Diesel Range Organics (C10-C28)	412	25.0	mg/kg	500		82.4	38-132			
Surrogate: n-Nonane	*45.3*		*"*	*50.0*		*90.6*	*50-200*			
Matrix Spike (2012027-MS1)		**Source: P003099-01**		Prepared & Analyzed: 03/19/20 1						
Diesel Range Organics (C10-C28)	416	25.0	mg/kg	500	ND	83.3	38-132			
Surrogate: n-Nonane	*44.6*		*"*	*50.0*		*89.3*	*50-200*			
Matrix Spike Dup (2012027-MSD1)		**Source: P003099-01**		Prepared & Analyzed: 03/19/20 1						
Diesel Range Organics (C10-C28)	412	25.0	mg/kg	500	ND	82.4	38-132	1.12	20	
Surrogate: n-Nonane	*43.7*		*"*	*50.0*		*87.5*	*50-200*			

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/20/20 14:31

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2012028 - Purge and Trap EPA 5030A										
Blank (2012028-BLK1)				Prepared & Analyzed: 03/19/20 1						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.37*		*"*	*8.00*		*92.1*	*50-150*			
LCS (2012028-BS2)				Prepared & Analyzed: 03/19/20 1						
Gasoline Range Organics (C6-C10)	51.2	20.0	mg/kg	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		*"*	*8.00*		*94.1*	*50-150*			
Matrix Spike (2012028-MS2)		**Source: P003099-01**		Prepared & Analyzed: 03/19/20 1						
Gasoline Range Organics (C6-C10)	46.5	20.0	mg/kg	50.0	ND	93.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.60*		*"*	*8.00*		*95.0*	*50-150*			
Matrix Spike Dup (2012028-MSD2)		**Source: P003099-01**		Prepared & Analyzed: 03/19/20 1						
Gasoline Range Organics (C6-C10)	47.2	20.0	mg/kg	50.0	ND	94.5	70-130	1.48	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.36*		*"*	*8.00*		*92.0*	*50-150*			

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/20/20 14:31

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2012026 - Anion Extraction EPA 300.0/9056A										
Blank (2012026-BLK1)				Prepared & Analyzed: 03/19/20 0						
Chloride	ND	20.0	mg/kg							
LCS (2012026-BS1)				Prepared: 03/19/20 0 Analyzed: 03/19/20 1						
Chloride	252	20.0	mg/kg	250		101	90-110			
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			
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	

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 my differ slightly.

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Lindsey Salgado	03/20/20 14:31

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.

Project Information

Chain of Custody

Page 1 of 1

Hungry Horse

Client: Spur	Bill To
Project: WD NE Indore	Attention: Natalie Gladden
Project Manager: Lindsey Salgado	Address:
Address:	City, State, Zip
City, State, Zip	Phone:
Phone:	Email: ngladden@hungry-horse.com
Email:	
Report due by: LSalgado@hungry-horse.com	

Lab Use Only		TAT		EPA Program		
Lab WO#	Job Number	1D	3D	RCRA	CWA	SDWA
P003D0	19054-0003	X				

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
10:47	3/17/20	S	1	Sp1 - 5'	1									X				
8:53				Sp2 - 3'	2													
10:07				Sp3 - 6'	3													
11:22				Sp4 - 3'	4													
12:01				Sp5 - 2'	5													
2:03				Sp6 - 2'	6													

Analysis and Method										State			
										NM	CO	UT	AZ
										TX	OK		

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
Natalie Gladden	3.18.2020	1430		3.18.2020	1430
	3.18.2020	1605	Robin Lopez	3/19/20	9:30

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

envirotech Analytical Laboratory
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labadmin@envirotech-inc.com

Project Information

Chain of Custody

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Hungry Horse

Client: Spur	Bill To
Project: WD McIntyre	Attention: Natalie Gladden
Project Manager: Lindsey Salgado	Address:
Address:	City, State, Zip
City, State, Zip	Phone:
Phone:	Email: ngladden@hungry-horse.com
Email:	
Report due by: LSalgado@hungry-horse.com	

Lab Use Only		TAT		EPA Program		
Lab WO#	Job Number	1D	3D	RCRA	CWA	SDWA
P00300	19054-0003	X				

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
10:47	3/17/20	S	1	Sp1 - 5'	1									X				
8:53				Sp2 - 3'	2													
10:07				Sp3 - 6'	3													
11:22				Sp4 - 3'	4													
12:01				Sp5 - 2'	5													
2:03				~~Sp6 - 2'~~ Sp6@ 10' per Client 3/20/20 RL	6													

State			
NM	CO	UT	AZ
TX	OK		

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
Natalie Gladden	3.18.2020	1430		3.18.2020	1430
	3.18.2020	1605	Robin Lopez	3/19/20	9:30

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401
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labadmin@envirotech-inc.com

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Analytical Laboratory

Analytical Report

Report Summary

Client: Spur

Samples Received: 3/20/2020
Job Number: 19054-0003
Work Order: P003110
Project Name/Location: WD McIntyre

Report Reviewed By: Walter Hinchman Date: 3/24/20

Walter Hinchman, Laboratory Director

NELAP ACCREDITED TNI LABORATORY

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.

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/24/20 14:56

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1-2'	P003110-01A	Soil	03/19/20	03/20/20	Glass Jar, 4 oz.
SW2-3'	P003110-02A	Soil	03/19/20	03/20/20	Glass Jar, 4 oz.
SW3-2'	P003110-03A	Soil	03/19/20	03/20/20	Glass Jar, 4 oz.
SW4-2'	P003110-04A	Soil	03/19/20	03/20/20	Glass Jar, 4 oz.
SW5-2'	P003110-05A	Soil	03/19/20	03/20/20	Glass Jar, 4 oz.
SW6-2'	P003110-06A	Soil	03/19/20	03/20/20	Glass Jar, 4 oz.
SW7-2'	P003110-07A	Soil	03/19/20	03/20/20	Glass Jar, 4 oz.

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/24/20 14:56

SW1-2'

P003110-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*		*50-150*	*2013002*	*03/23/20*	*03/23/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013001	03/23/20	03/23/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013001	03/23/20	03/23/20	EPA 8015D	
Surrogate: n-Nonane		*96.8 %*		*50-200*	*2013001*	*03/23/20*	*03/23/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*		*50-150*	*2013002*	*03/23/20*	*03/23/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**218**	20.0	mg/kg	1	2013003	03/23/20	03/23/20	EPA 300.0/9056A	

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/24/20 14:56

SW2-3'

P003110-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*		*50-150*	*2013002*	*03/23/20*	*03/23/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013001	03/23/20	03/23/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013001	03/23/20	03/23/20	EPA 8015D	
Surrogate: n-Nonane		*96.7 %*		*50-200*	*2013001*	*03/23/20*	*03/23/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*		*50-150*	*2013002*	*03/23/20*	*03/23/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**167**	20.0	mg/kg	1	2013003	03/23/20	03/23/20	EPA 300.0/9056A	

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/24/20 14:56

SW3-2'
P003110-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*2013002*	*03/23/20*	*03/23/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**152**	25.0	mg/kg	1	2013001	03/23/20	03/23/20	EPA 8015D	
Oil Range Organics (C28-C40)	**118**	50.0	mg/kg	1	2013001	03/23/20	03/23/20	EPA 8015D	
Surrogate: n-Nonane		*112 %*		*50-200*	*2013001*	*03/23/20*	*03/23/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.0 %*		*50-150*	*2013002*	*03/23/20*	*03/23/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**28.2**	20.0	mg/kg	1	2013003	03/23/20	03/23/20	EPA 300.0/9056A	

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/24/20 14:56

SW4-2'

P003110-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*		*50-150*	*2013002*	*03/23/20*	*03/23/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**25.7**	25.0	mg/kg	1	2013001	03/23/20	03/23/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013001	03/23/20	03/23/20	EPA 8015D	
Surrogate: n-Nonane		*113 %*		*50-200*	*2013001*	*03/23/20*	*03/23/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.7 %*		*50-150*	*2013002*	*03/23/20*	*03/23/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**567**	20.0	mg/kg	1	2013003	03/23/20	03/23/20	EPA 300.0/9056A	

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/24/20 14:56

SW5-2'
P003110-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*		*50-150*	*2013002*	*03/23/20*	*03/23/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013001	03/23/20	03/23/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013001	03/23/20	03/23/20	EPA 8015D	
Surrogate: n-Nonane		*94.3 %*		*50-200*	*2013001*	*03/23/20*	*03/23/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*		*50-150*	*2013002*	*03/23/20*	*03/23/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**176**	20.0	mg/kg	1	2013003	03/23/20	03/23/20	EPA 300.0/9056A	

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/24/20 14:56

SW6-2'
P003110-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*		*50-150*	*2013002*	*03/23/20*	*03/23/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013001	03/23/20	03/23/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013001	03/23/20	03/23/20	EPA 8015D	
Surrogate: n-Nonane		*94.4 %*		*50-200*	*2013001*	*03/23/20*	*03/23/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.5 %*		*50-150*	*2013002*	*03/23/20*	*03/23/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	2013003	03/23/20	03/23/20	EPA 300.0/9056A	

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/24/20 14:56

SW7-2'
P003110-07 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*2013002*	*03/23/20*	*03/23/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013001	03/23/20	03/23/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013001	03/23/20	03/23/20	EPA 8015D	
Surrogate: n-Nonane		*111 %*		*50-200*	*2013001*	*03/23/20*	*03/23/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*		*50-150*	*2013002*	*03/23/20*	*03/23/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**248**	20.0	mg/kg	1	2013003	03/23/20	03/23/20	EPA 300.0/9056A	

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/24/20 14:56

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
Batch 2013002 - Purge and Trap EPA 5030A										
Blank (2013002-BLK1)				Prepared: 03/23/20 0 Analyzed: 03/23/20 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	*8.44*		*"*	*8.00*		*105*	*50-150*			
LCS (2013002-BS1)				Prepared: 03/23/20 0 Analyzed: 03/23/20 1						
Benzene	5.01	0.0250	mg/kg	5.00		100	70-130			
Toluene	5.03	0.0250	"	5.00		101	70-130			
Ethylbenzene	5.04	0.0250	"	5.00		101	70-130			
p,m-Xylene	10.1	0.0500	"	10.0		101	70-130			
o-Xylene	5.06	0.0250	"	5.00		101	70-130			
Total Xylenes	15.1	0.0250	"	15.0		101	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.58*		*"*	*8.00*		*107*	*50-150*			
Matrix Spike (2013002-MS1)		**Source: P003109-01**		Prepared: 03/23/20 0 Analyzed: 03/23/20 1						
Benzene	4.79	0.0250	mg/kg	5.00	ND	95.8	54.3-133			
Toluene	4.81	0.0250	"	5.00	ND	96.2	61.4-130			
Ethylbenzene	4.80	0.0250	"	5.00	ND	96.1	61.4-133			
p,m-Xylene	9.62	0.0500	"	10.0	ND	96.2	63.3-131			
o-Xylene	4.84	0.0250	"	5.00	ND	96.8	63.3-131			
Total Xylenes	14.5	0.0250	"	15.0	ND	96.4	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.55*		*"*	*8.00*		*107*	*50-150*			
Matrix Spike Dup (2013002-MSD1)		**Source: P003109-01**		Prepared: 03/23/20 0 Analyzed: 03/23/20 1						
Benzene	5.03	0.0250	mg/kg	5.00	ND	101	54.3-133	4.83	20	
Toluene	5.03	0.0250	"	5.00	ND	101	61.4-130	4.49	20	
Ethylbenzene	5.03	0.0250	"	5.00	ND	101	61.4-133	4.69	20	
p,m-Xylene	10.1	0.0500	"	10.0	ND	101	63.3-131	4.46	20	
o-Xylene	5.05	0.0250	"	5.00	ND	101	63.3-131	4.24	20	
Total Xylenes	15.1	0.0250	"	15.0	ND	101	0-200	4.39	200	
Surrogate: 4-Bromochlorobenzene-PID	*8.54*		*"*	*8.00*		*107*	*50-150*			

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/24/20 14:56

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
Batch 2013001 - DRO Extraction EPA 3570										
Blank (2013001-BLK1)				Prepared & Analyzed: 03/23/20 0						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	*47.3*		*"*	*50.0*		*94.5*	*50-200*			
LCS (2013001-BS1)				Prepared & Analyzed: 03/23/20 0						
Diesel Range Organics (C10-C28)	431	25.0	mg/kg	500		86.3	38-132			
Surrogate: n-Nonane	*47.4*		*"*	*50.0*		*94.9*	*50-200*			
Matrix Spike (2013001-MS1)		**Source: P003109-01**		Prepared: 03/23/20 0 Analyzed: 03/23/20 1						
Diesel Range Organics (C10-C28)	428	25.0	mg/kg	500	ND	85.5	38-132			
Surrogate: n-Nonane	*48.2*		*"*	*50.0*		*96.5*	*50-200*			
Matrix Spike Dup (2013001-MSD1)		**Source: P003109-01**		Prepared: 03/23/20 0 Analyzed: 03/23/20 1						
Diesel Range Organics (C10-C28)	430	25.0	mg/kg	500	ND	86.1	38-132	0.613	20	
Surrogate: n-Nonane	*48.3*		*"*	*50.0*		*96.5*	*50-200*			

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Analytical Laboratory

Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/24/20 14:56

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2013002 - Purge and Trap EPA 5030A										
Blank (2013002-BLK1)				Prepared: 03/23/20 0 Analyzed: 03/23/20 1						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.25*		*"*	*8.00*		*90.6*	*50-150*			
LCS (2013002-BS2)				Prepared: 03/23/20 0 Analyzed: 03/23/20 1						
Gasoline Range Organics (C6-C10)	42.8	20.0	mg/kg	50.0		85.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.42*		*"*	*8.00*		*92.8*	*50-150*			
Matrix Spike (2013002-MS2)		**Source: P003109-01**		Prepared: 03/23/20 0 Analyzed: 03/23/20 1						
Gasoline Range Organics (C6-C10)	38.2	20.0	mg/kg	50.0	ND	76.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*"*	*8.00*		*94.8*	*50-150*			
Matrix Spike Dup (2013002-MSD2)		**Source: P003109-01**		Prepared: 03/23/20 0 Analyzed: 03/23/20 1						
Gasoline Range Organics (C6-C10)	39.7	20.0	mg/kg	50.0	ND	79.4	70-130	3.79	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.51*		*"*	*8.00*		*93.9*	*50-150*			

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/24/20 14:56

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2013003 - Anion Extraction EPA 300.0/9056A										
Blank (2013003-BLK1)				Prepared: 03/23/20 0 Analyzed: 03/23/20 1						
Chloride	ND	20.0	mg/kg							
LCS (2013003-BS1)				Prepared: 03/23/20 0 Analyzed: 03/23/20 1						
Chloride	253	20.0	mg/kg	250		101	90-110			
Matrix Spike (2013003-MS1)		**Source: P003109-01**		Prepared: 03/23/20 0 Analyzed: 03/23/20 1						
Chloride	251	20.0	mg/kg	250	ND	100	80-120			
Matrix Spike Dup (2013003-MSD1)		**Source: P003109-01**		Prepared: 03/23/20 0 Analyzed: 03/23/20 1						
Chloride	253	20.0	mg/kg	250	ND	101	80-120	1.17	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 my differ slightly.

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/24/20 14:56

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

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

Project Information

Chain of Custody

Client: Spur	
Project: WD. McIntyre	
Project Manager: Lindsey Salgado	
Address:	
City, State, Zip	
Phone:	
Email: LSalgado@hungry-horse.com	
Report due by:	

Bill To

Attention: Natali Gladden	
Address:	
City, State, Zip	
Phone:	
Email: Ngladden@hungry-horse	

Lab Use Only		TAT		EPA Program		
Lab WO#	Job Number	1D	3D	RCRA	CWA	SDWA
P003110	19054-0003	X				

State			
NM	CO	UT	AZ
TX	OK		

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
8:17	3/19/20	S	1	SW1 - 2'	1									X				
8:37	3/19/20		1	SW 2 - 2'	2									X				
9:00	3/19/20		1	SW 3 - 2'	3									X				
9:13	3/19/20		1	SW4 - 2'	4									X				
9:43	3/19/20		1	SW 5 - 2'	5									X				
10:15	3/19/20		1	SW6 - 2'	6									X				
10:52	3/19/20		1	SW 7 - 2'	7									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
	3/20/20	16:00	Kathy Rivera	3/20/20	16:00
Kathy Rivera	3/20/20	13:15		3-20-2020	1315
	3-20-2020	1500	Karen Lopez	3/23/20	7:45

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401
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labadmin@envirotech-inc.com

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Analytical Laboratory

Analytical Report

Report Summary

Client: Spur

Samples Received: 3/25/2020
Job Number: 19054-0003
Work Order: P003118
Project Name/Location: WD McIntyre

Report Reviewed By: Walter Hinchman Date: 3/26/20

Walter Hinchman, Laboratory Director

NELAP ACCREDITED TNI LABORATORY

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.

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/26/20 08:30

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Composite Mix	P003118-01A	Soil	03/23/20	03/25/20	Glass Jar, 4 oz.
SW1	P003118-02A	Soil	03/23/20	03/25/20	Glass Jar, 4 oz.
SW2	P003118-03A	Soil	03/23/20	03/25/20	Glass Jar, 4 oz.
SW3	P003118-04A	Soil	03/23/20	03/25/20	Glass Jar, 4 oz.
SW4	P003118-05A	Soil	03/23/20	03/25/20	Glass Jar, 4 oz.

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/26/20 08:30

Composite Mix
P003118-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*		*50-150*	*2013006*	*03/25/20*	*03/25/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**27.2**	25.0	mg/kg	1	2013008	03/25/20	03/25/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013008	03/25/20	03/25/20	EPA 8015D	
Surrogate: n-Nonane		*115 %*		*50-200*	*2013008*	*03/25/20*	*03/25/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*		*50-150*	*2013006*	*03/25/20*	*03/25/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**49.5**	20.0	mg/kg	1	2013010	03/25/20	03/25/20	EPA 300.0/9056A	

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/26/20 08:30

SW1

P003118-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2013006*	*03/25/20*	*03/25/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013008	03/25/20	03/25/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013008	03/25/20	03/25/20	EPA 8015D	
Surrogate: n-Nonane		*105 %*		*50-200*	*2013008*	*03/25/20*	*03/25/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*		*50-150*	*2013006*	*03/25/20*	*03/25/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**114**	20.0	mg/kg	1	2013010	03/25/20	03/25/20	EPA 300.0/9056A	

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/26/20 08:30

SW2

P003118-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2013006*	*03/25/20*	*03/25/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013008	03/25/20	03/25/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013008	03/25/20	03/25/20	EPA 8015D	
Surrogate: n-Nonane		*105 %*		*50-200*	*2013008*	*03/25/20*	*03/25/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*		*50-150*	*2013006*	*03/25/20*	*03/25/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**204**	20.0	mg/kg	1	2013010	03/25/20	03/25/20	EPA 300.0/9056A	

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/26/20 08:30

SW3

P003118-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*		*50-150*	*2013006*	*03/25/20*	*03/25/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013008	03/25/20	03/25/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013008	03/25/20	03/25/20	EPA 8015D	
Surrogate: n-Nonane		*105 %*		*50-200*	*2013008*	*03/25/20*	*03/25/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*		*50-150*	*2013006*	*03/25/20*	*03/25/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**23.7**	20.0	mg/kg	1	2013010	03/25/20	03/25/20	EPA 300.0/9056A	

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/26/20 08:30

SW4

P003118-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2013006*	*03/25/20*	*03/25/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013008	03/25/20	03/25/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013008	03/25/20	03/25/20	EPA 8015D	
Surrogate: n-Nonane		*89.2 %*		*50-200*	*2013008*	*03/25/20*	*03/25/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013006	03/25/20	03/25/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*		*50-150*	*2013006*	*03/25/20*	*03/25/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	2013010	03/25/20	03/25/20	EPA 300.0/9056A	

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Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/26/20 08:30

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
Batch 2013006 - Purge and Trap EPA 5030A										
Blank (2013006-BLK1)				Prepared: 03/24/20 1 Analyzed: 03/24/20 2						
Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 4-Bromochlorobenzene-PID	*8.34*		*"*	*8.00*		*104*	*50-150*			
LCS (2013006-BS1)				Prepared: 03/24/20 1 Analyzed: 03/24/20 2						
Benzene	4.78	0.0250	mg/kg	5.00		95.7	70-130			
Toluene	4.94	0.0250	"	5.00		98.8	70-130			
Ethylbenzene	4.90	0.0250	"	5.00		98.0	70-130			
p,m-Xylene	9.73	0.0500	"	10.0		97.3	70-130			
o-Xylene	4.84	0.0250	"	5.00		96.8	70-130			
Total Xylenes	14.6	0.0250	"	15.0		97.1	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.50*		*"*	*8.00*		*106*	*50-150*			
Matrix Spike (2013006-MS1)		**Source: P003116-01**		Prepared: 03/24/20 1 Analyzed: 03/24/20 2						
Benzene	5.01	0.0250	mg/kg	5.00	ND	100	54.3-133			
Toluene	5.10	0.0250	"	5.00	ND	102	61.4-130			
Ethylbenzene	5.18	0.0250	"	5.00	0.0527	103	61.4-133			
p,m-Xylene	10.3	0.0500	"	10.0	0.141	101	63.3-131			
o-Xylene	5.13	0.0250	"	5.00	0.0516	102	63.3-131			
Total Xylenes	15.4	0.0250	"	15.0	0.193	101	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.72*		*"*	*8.00*		*109*	*50-150*			
Matrix Spike Dup (2013006-MSD1)		**Source: P003116-01**		Prepared: 03/24/20 1 Analyzed: 03/24/20 2						
Benzene	4.98	0.0250	mg/kg	5.00	ND	99.6	54.3-133	0.558	20	
Toluene	5.10	0.0250	"	5.00	ND	102	61.4-130	0.122	20	
Ethylbenzene	5.13	0.0250	"	5.00	0.0527	102	61.4-133	0.954	20	
p,m-Xylene	10.2	0.0500	"	10.0	0.141	100	63.3-131	1.06	20	
o-Xylene	5.11	0.0250	"	5.00	0.0516	101	63.3-131	0.425	20	
Total Xylenes	15.3	0.0250	"	15.0	0.193	100	0-200	0.846	200	
Surrogate: 4-Bromochlorobenzene-PID	*8.71*		*"*	*8.00*		*109*	*50-150*			

envirotech
Analytical Laboratory

Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/26/20 08:30

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
Batch 2013008 - DRO Extraction EPA 3570										
Blank (2013008-BLK1)				Prepared & Analyzed: 03/24/20 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	*47.3*		*"*	*50.0*		*94.6*	*50-200*			
LCS (2013008-BS1)				Prepared: 03/24/20 1 Analyzed: 03/24/20 2						
Diesel Range Organics (C10-C28)	468	25.0	mg/kg	500		93.7	38-132			
Surrogate: n-Nonane	*49.4*		*"*	*50.0*		*98.7*	*50-200*			
Matrix Spike (2013008-MS1)		**Source: P003115-01**		Prepared: 03/24/20 1 Analyzed: 03/24/20 2						
Diesel Range Organics (C10-C28)	1170	25.0	mg/kg	500	522	129	38-132			
Surrogate: n-Nonane	*60.8*		*"*	*50.0*		*122*	*50-200*			
Matrix Spike Dup (2013008-MSD1)		**Source: P003115-01**		Prepared: 03/24/20 1 Analyzed: 03/24/20 2						
Diesel Range Organics (C10-C28)	1270	25.0	mg/kg	500	522	151	38-132	8.64	20	M1
Surrogate: n-Nonane	*60.7*		*"*	*50.0*		*121*	*50-200*			

envirotech
Analytical Laboratory

Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/26/20 08:30

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2013006 - Purge and Trap EPA 5030A										
Blank (2013006-BLK1)				Prepared: 03/24/20 1 Analyzed: 03/24/20 2						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.94*		"	*8.00*		*86.8*	*50-150*			
LCS (2013006-BS2)				Prepared: 03/24/20 1 Analyzed: 03/24/20 2						
Gasoline Range Organics (C6-C10)	50.1	20.0	mg/kg	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.04*		"	*8.00*		*88.0*	*50-150*			
Matrix Spike (2013006-MS2)		**Source: P003116-01**		Prepared: 03/24/20 1 Analyzed: 03/24/20 2						
Gasoline Range Organics (C6-C10)	68.2	20.0	mg/kg	50.0	ND	136	70-130			M2
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.07*		"	*8.00*		*88.4*	*50-150*			
Matrix Spike Dup (2013006-MSD2)		**Source: P003116-01**		Prepared: 03/24/20 1 Analyzed: 03/24/20 2						
Gasoline Range Organics (C6-C10)	61.4	20.0	mg/kg	50.0	ND	123	70-130	10.5	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.11*		"	*8.00*		*88.9*	*50-150*			

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Analytical Laboratory

Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/26/20 08:30

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2013010 - Anion Extraction EPA 300.0/9056A										
Blank (2013010-BLK1)				Prepared & Analyzed: 03/24/20 1						
Chloride	ND	20.0	mg/kg							
LCS (2013010-BS1)				Prepared & Analyzed: 03/24/20 1						
Chloride	249	20.0	mg/kg	250		99.7	90-110			
Matrix Spike (2013010-MS1)		**Source: P003116-01**		Prepared: 03/24/20 1 Analyzed: 03/25/20 0						
Chloride	257	20.0	mg/kg	250	ND	103	80-120			
Matrix Spike Dup (2013010-MSD1)		**Source: P003116-01**		Prepared: 03/24/20 1 Analyzed: 03/25/20 0						
Chloride	254	20.0	mg/kg	250	ND	102	80-120	0.900	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 my differ slightly.

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Analytical Laboratory

Spur	Project Name:	WD McIntyre	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/26/20 08:30

Notes and Definitions

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
M1	Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

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

Project Information

Chain of Custody

Page 1 of 1

Client: Spur	Bill To
Project: W.D. McIntyre	Attention: Natalie Gladden
Project Manager: Lindsey Salgado	Address:
Address:	City, State, Zip
City, State, Zip	Phone:
Phone:	Email: Ngladden@hungh-horst.com
Email: LSalgado@hungh-horst.com	
Report due by:	

Lab Use Only		TAT		EPA Program		
Lab WO#	Job Number	1D	3D	RCRA	CWA	SDWA
P003118	19054-0003	X				

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
8:27	3/23	S	1	Composite mix	1									X				
9:00	3/23/20		1	SW1	2									X				
9:09	3/23/20		1	SW2	3									X				
9:11	3/23/20		1	SW3	4									X				
9:15	3/23/20		1	SW4	5									X				

Analysis and Method

State: NM | CO | UT | AZ | TX | OK

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
	3/24/20	0600	Kathy Rivera	3/24/20	0600
Kathy Rivera	03/24/20	1315		3.24.2020	1315
	3.24.2020	1455	Rain Lopez	3/25/20	9:30

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

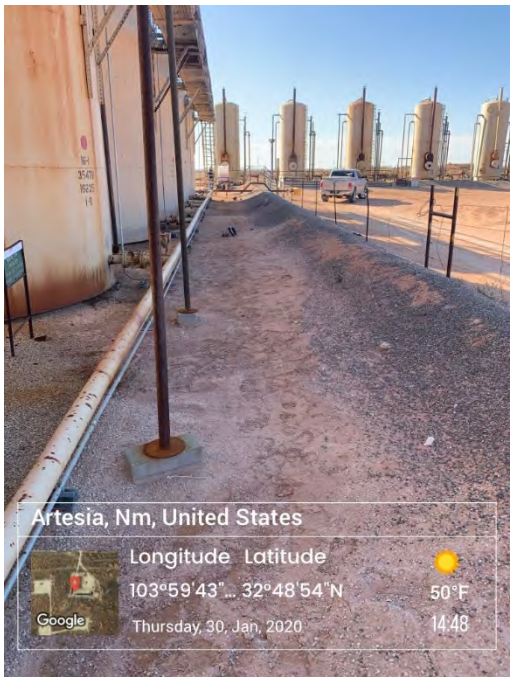
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

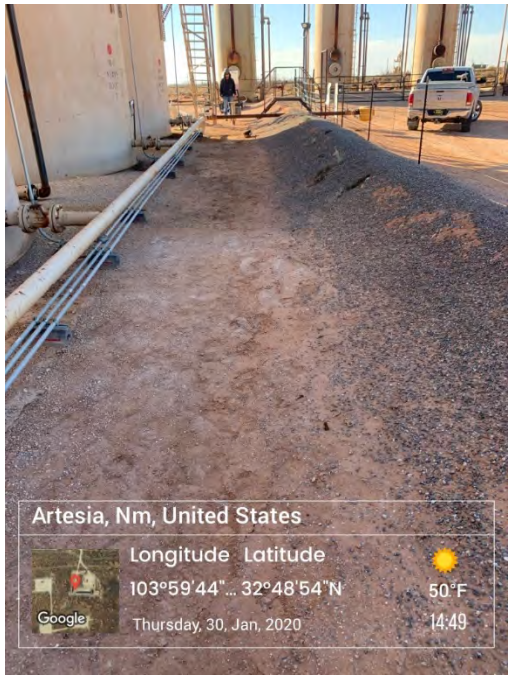
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this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

envirotech Analytical Laboratory
5795 US Highway 64, Farmington, NM 87401
24 Hour Emergency Response Phone (800) 362-1879
Ph (505) 632-1881 Fx (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com

WD MCINTYRE E SW BATTERY
BEGINNING PHOTOS


Artesia, Nm, United States
Longitude Latitude
103°59'44"... 32°48'54"N
Thursday, 30, Jan, 2020
50°F
14:48
Google


Artesia, Nm, United States
Longitude Latitude
103°59'43"... 32°48'54"N
Thursday, 30, Jan, 2020
50°F
14:48
Google


Artesia, Nm, United States
Longitude Latitude
103°59'44"... 32°48'54"N
Thursday, 30, Jan, 2020
50°F
14:49
Google

DURING PHOTOS

WD MCINTYRE E SW BATTERY




FINAL PHOTOS

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	80 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

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

Signature: Natalie Gladden Date: 6/24/20

email: **natalie@energystaffing.com** Telephone: **575-390-6397**

OCD Only

Received by: _____ Date: _____

Form C-141
Page 5

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: **Director of Environmental & Regulatory**

Signature: Natalie Gladden Date: 6/24/20

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

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

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

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

Signature: Natalie Gladden Date: 6/24/20

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

OCD Only

Received by: Chad Hensley Date: 04/19/2021

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

Closure Approved by: Chad Hensley Date: 04/19/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

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

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

CONDITIONS

Action 8892

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
SPUR ENERGY PARTNERS LLC 9655 Katy Freeway Suite 500 Houston, TX77024	328947	8892	C-141

OCD Reviewer	Condition
chensley	None