Biscuit Hills SWD #001
Closure Report

API No. 30-015-28142
2RP-5669
NAB1928851161
Release Date: 09/17/2019

U/L O, Section 29, Township 17S, Range 31E
Eddy County, New Mexico

5/24/2021
Prepared by:

7 W Compress Road
Artesia, New Mexico 88210

May 24, 2021

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/Dakota Neel
920 Memorial City Way, Suite 1000
Houston, TX 77024

RE: Closure Request for Spur Energy Partners – Biscuit Hills SWD #001
API No. 30-015-28142
2RP-5669
Incident No. NAB1928851161
U/L O, Section 29, Township 17S, Range 31E
Eddy County

To Whom it May Concern:

Spur Energy Partners has retained ESS (Energy Staffing Service) Environmental and Regulatory Division to conduct and address the spill assessment, delineation and remediation for the produced water release that occurred on September 17, 2019 on the Biscuit Hills SWD #001 (hereafter referred to as "Biscuit Hills"). COG "operator of record" submitted the initial notification and C141 on 9/19/2019. Spur Energy Partners became operator of record on or around December 2, 2019. The NMOCD assigned the District RP # as 2RP – 5669 and Incident Number NAB1928851161 on 10/15/2019.

This letter provides a description of the spill assessment, delineation and remediation activities, and demonstrates that the closure criteria established in 19.15.29.12 *New Mexico Administrative Code (NMAC; New Mexico Oil Conservation Division, 2018),* have been met and all applicable regulations have been followed. This document is intended to serve as a final report to obtain approval from the NMOCD and BLM for closure of this release.

Incident Description

On September 17, 2019 a release occurred at the Spur Energy Partners Biscuit Hills site when a hole in water line was found. The line was repaired. The release occurred on the production pad. It was observed that approximately 22bbls of produced water was release. A vacuum truck was dispatched to the location and recovered approximately 18bbls of produced water. Although the release that occurred on September 17, 2019 was contained within the boundaries of the engineered pad. No fluid was released into any undisturbed areas and/or waterways.

Site Characterization

The release at the Biscuit Hills, occurred on State Surface but on Federal Minerals, at 32.80065 -103.88990, approximately 8.31 miles southwest of Maljamar, New Mexico. The description of the site is Unit Letter O, Section 29, Township 17S, Range 31E in Eddy County. This location is within the Permian Basin and has historically been used for oil and gas exploration and production. The aerial photograph and site schematic are included.

The Biscuit Hills complex consists of oil and gas equipment, a tank battery and a nearby oil and gas exploration and production well. The closest well to the release is the Biscuit Hills SWD #001, which is the API No. associated with this release. The following sections precisely describe the release area inside the impacted area.

The surrounding landscape is associated with the Kermit-Berino fine sands, with 0 to 3 percent slopes. Elevation average is around 3746 feet. The soil map and data are attached herein.

There is no surface water located on or near the site. There are no continuously flowing watercourses, lakebeds, sinkholes, playa lakes, or other critical water or community features at the Biscuit Hills, as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

The site has a “low potential” for Karst Geology to be present near the Biscuit Hills site according to the *United States Department of the Interior, Bureau of Land Management.* Please find the karst map attached herein.

The nearest recent groundwater well according to the *New Mexico Office of the State Engineer* is RA 11590 POD3, 472’ from the site with no groundwater data. RA 11590 POD4 is 790’ from the site, with no groundwater data. Upon researching the OSE Database (map included); the RA-11590 POD 3 and POD4 are within the ½ radius and were both drilled in 2010. Please find the attached groundwater data and mapping attached.

Closure Criteria Determination

Using the Table I, Closure Criteria for Soils impacted by a Release dated 8/14/2018, this site falls under the site ranking of <100’bgs due to no groundwater data and the site falling under the

"low karst potential". But with this site being on federal lands, the site then falls under the <50'bgs closure criteria.

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

Soil Sampling Procedures

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

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

The following lab analysis method was used for each bottom hole and sidewall samples submitted to Envirotech Analytical Laboratory:

Volatile Organics by EPA 8021B
- Benzene, Toluene, Ethylbenzene, p.m. Xylene, o-Xylene and Total Xylenes

Nonhalogenated Organics by EPA 8015
- Gasoline Range Organics (C6-C10)

Nonhalogenated Organics by EPH 8015D – DRO/GRO
- Diesel Range Organics (C10-C28)
- Oil Range Organics (C28-C40)

Anions by EPA 300.0/9056A
- Chloride

Delineation and Remedial Activities

Hungry Horse, LLC conducted the delineation and remediation of the Biscuit Hills reportable release. On or about March 26th, 2020, Hungry Horse, LLC dispatched a crew to the location to begin delineation of the site. The site was mapped, photographed and flagged for clearance of the one-call. The site was delineated by use of backhoe in 2' intervals.

Crews began to vertically delineate the site by conducting field sampling and confirmed with laboratory analysis on the delineation sampling procedure for this site. Surface sampling was conducted, then vertical delineation began. Each sample was titrated in the field then jarred

and sent to Envirotech Laboratory confirmation. Please find the delineation sampling data below and it is also attached herein.

SP ID	Depth	Titration	PID	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL
SP 1	SURF	480							
	2'	480							
	4'	400		ND	ND	ND	ND	ND	289
SP 2	SURF	7760							
	2'	640							
	4'	320		ND	ND	ND	ND	ND	119
SP 3	SURF	3680							
	2'	5600							
	4'	480		ND	ND	ND	ND	ND	447
SP 4	SURF	6320							
	2'	4000							
	4'	560		ND	ND	ND	ND	ND	79.5
SP 5	SURF	320							
	2'	160							
	4'	160		ND	ND	ND	ND	ND	108
SP 6	SURF	560							
	2'	400							
	4'	320		ND	ND	ND	ND	ND	266
SP 7	SURF	400							
	2'	320							
	4'	160		ND	ND	ND	ND	ND	20.9
SP 8	SURF	3280							
	2'	560							
	4'	320		ND	ND	ND	ND	ND	101

As evidenced by the table above and the attached sample data and lab analytical results, the confirmed samples were well within the proscribed limits set forth in the Closure Criteria for Soil Impacted by a Release in the >100' range.

Following vertical delineation, the site was fully delineated horizontally to ascertain the outside edges of the impacted soil. Six sidewalls were sampled 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.

SW 1	SURF	400							
	1'	320							
	2'	160		ND	ND	ND	ND	ND	ND
SW 2	SURF	400							
	1'	400							
	2'	320		ND	ND	ND	ND	ND	ND
SW 3	SURF	560							
	1'	400							
	2'	320		ND	ND	ND	ND	ND	236
SW 4	SURF	160							
	1'	160							
	2'	80		ND	ND	ND	ND	ND	742
SW 5	SURF	320							
	1'	320							
	2'	160		ND	ND	ND	ND	ND	128
SW 6	SURF	320							
	1'	320							
	2'	80		ND	ND	ND	ND	ND	52.7

Please see the attached sample map. Sidewall #4 could not be sampled further due to the lined containment. As shown above the horizontal samples, were well within the limits except for SW4. Upon receipt of the confirmed delineation sample data, it was then determined that Hungry Horse would excavate the impacted area to 2'bgs.

Excavation of the impacted area began and was completed to the 1'bgs for the 1685.20 sq. ft. of impacted surface. A total of 72 cubic yards of impacted soil was excavated, stockpiled and then hauled to Lea Land for disposal. 90 cu yds of clean imported material were also backhauled from Lea Land to use for backfill. Once the site was fully excavated an email was sent to the NMOCD and BLM requesting witnessing of the closure samples.

Closure samples were obtained on March 31st of 2020. The bottom excavation was divided out between 15 composite samples. Each composite sample consisted of five separate sample points withing a 200 sq. ft. For whatever reason an addition sample was submitted labelled C1 COMP, C2 COMP, C3 COMP. Please disregard these samples as the other composite samples were correctly gathered and sampled. Labelling of the composite samples were not labelled correctly.

SP ID	Depth	Titr	PID	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL
C1 SP1		2880		ND	269	284	ND	553	3300
C1 SP2		2400		ND	277	271	ND	548	3680
C1 SP3		3600		ND	183	111	ND	294	3690
C1 SP4		2080		ND	277	163	ND	440	3710
C1 SP5		2560		ND	399	372	ND	771	3490
C2 SP1		2560		ND	401	331	ND	732	3490
C2 SP2		2080		ND	367	292	ND	659	3210
C2 SP3		2320		ND	226	155	ND	381	3160
C2 SP4		2920		ND	215	201	ND	416	3750
CS SP5		2880		ND	202	195	ND	397	4280
C3 SP1		3280		ND	245	236	ND	481	3870
C3 SP2		2480		ND	151	76.7	ND	227.7	3660
C3 SP3		3200		ND	264	130	ND	394	3930
C3 SP4		2400		ND	304	280	ND	584	3670
C3 SP5		2560		ND	461	240	ND	701	3450
C SW1		2960		ND	228	128	ND	356	3800
C SW2		2960		ND	1620	380	ND	2000	3690
C SW3		2480		ND	236	143	ND	379	3640
C SW4		2480		ND	385	164	ND	549	3250

Following receipt of the composite samples, each sample is under the requirements of the pad remediation, except for C SW2, which is up against the berm of the containment. The site was backfilled with clean imported caliche and was contoured back to the natural pad condition.

Closure Request

The scope of services consisted of the review of Hungry Horses site assessment, delineation and remediation as well as the regulatory liaison and preparation of this closure report by ESS. On behalf of Spur Energy Partners and Energy Staffing & Services, we respectfully request closure on the release associated with the Biscuit Hills SWD #001. If you have any questions or concerns, please contact the undersigned.

Sincerely,

Natalie Gladden

Director of Environmental and Regulatory Services
Energy Staffing Services, LLC.
#7 Compress Rd
Artesia, NM 88210
Cell: 575-390-6397
Email: natalie@energystaffingllc.com

Attachments:

- Initial C141
- Site Map
- Soil Map
- Karst Map
- Groundwater Data and Map
- Sample Data
- Delineation Map
- Delineation Lab Analysis
- Closure Composite Map
- Closure Composite 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 KRTFX-191001-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: _____ Date: _____

****** LIQUID SPILLS - VOLUME CALCULATIONS ******

Location of spill: Biscuit Hills SWD #1 **Date of Spill:** 17-Sep-2019

If the leak/spill is associated with production equipment, i.e. - wellhead, stuffing box, flowline, tank battery, production vessel, transfer pump, or storage tank **place an "X" here:** X

Input Data:

	OIL:	WATER:
If spill volumes from measurement, i.e. metering, tank volumes, etc. are known enter the volumes here:	0.0 BBL	0.0 BBL

If "known" spill volumes are given, input data for the following "Area Calculations" is optional. The above will override the calculated volumes.

Total Area Calculations

Total Surface Area	width		length		wet soil depth	oil (%)
Rectangle Area #1	38 ft		50 ft	X	1.00 in	0%
Rectangle Area #2	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

Standing Liquid Calculations

Standing Liquid Area	width		length		liquid depth	oil (%)
Rectangle Area #1	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #2	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

okay

production system leak - DAILY PRODUCTION DATA REQUIRED

Average Daily Production: Oil 0 BBL Water 0 BBL 0 Gas (MCFD)

Total Hydrocarbon Content in gas: 0% (percentage)

Did leak occur before the separator?: YES N/A *(place an "X")*

H2S Content in Produced Gas: 0 PPM

H2S Content in Tank Vapors: 0 PPM

Amount of Free Liquid Recovered: 0 BBL okay

Percentage of Oil in Free Liquid Recovered: 0% (percentage)

Liquid holding factor *: 0.14 gal per gal

Use the following when the spill wets the grains of the soil.
* Sand = **0.08** gallon (gal.) liquid per gal. volume of soil.
* Gravelly (caliche) loam = **0.14** gal. liquid per gal. volume of soil.
* Sandy clay loam soil = **0.14** gal liquid per gal. volume of soil.
* Clay loam = **0.16** gal. liquid per gal. volume of soil.

Use the following when the liquid completely fills the pore space of the soil:
Occurs when the spill soaked soil is contained by barriers, natural (or not).
* Clay loam = **0.20** gal. liquid per gal. volume of soil.
* Gravelly (caliche) loam = **0.25** gal. liquid per gal. volume of soil.
* Sandy loam = **0.5** gal. liquid per gal. volume of soil.

Total Solid/Liquid Volume: 1,900 sq. ft. 158 cu. ft. cu. ft.

Total Free Liquid Volume: sq. ft. cu. ft. cu. ft.

Estimated Volumes Spilled

	H2O	OIL
Liquid in Soil:	3.9 BBL	0.0 BBL
Free Liquid:	0.0 BBL	0.0 BBL
Totals:	**3.9 BBL**	**0.0 BBL**
Total Liquid Spill Liquid:	**3.9 BBL**	**0.00 BBL**

Estimated Production Volumes Lost

	H2O	OIL
Estimated Production Spilled:	0.0 BBL	0.0 BBL

Estimated Surface Damage

Surface Area: 1,900 sq. ft.

Surface Area: .0436 acre

Recovered Volumes

Estimated oil recovered: BBL check - okay

Estimated water recovered: BBL check - okay

Estimated Weights, and Volumes

Saturated Soil = 17,733 lbs 158 cu. ft. 6 cu. yds.

Total Liquid = 4 BBL 166 gallon 1,380 lbs

Air Emission from flowline leaks:

Volume of oil spill:	-	BBL
Separator gas calculated:	-	MCF
Separator gas released:	-	MCF
Gas released from oil:	-	lb
H2S released:	-	lb
Total HC gas released:	-	lb
Total HC gas released:	-	MCF

Air Emission of Reporting Requirements:

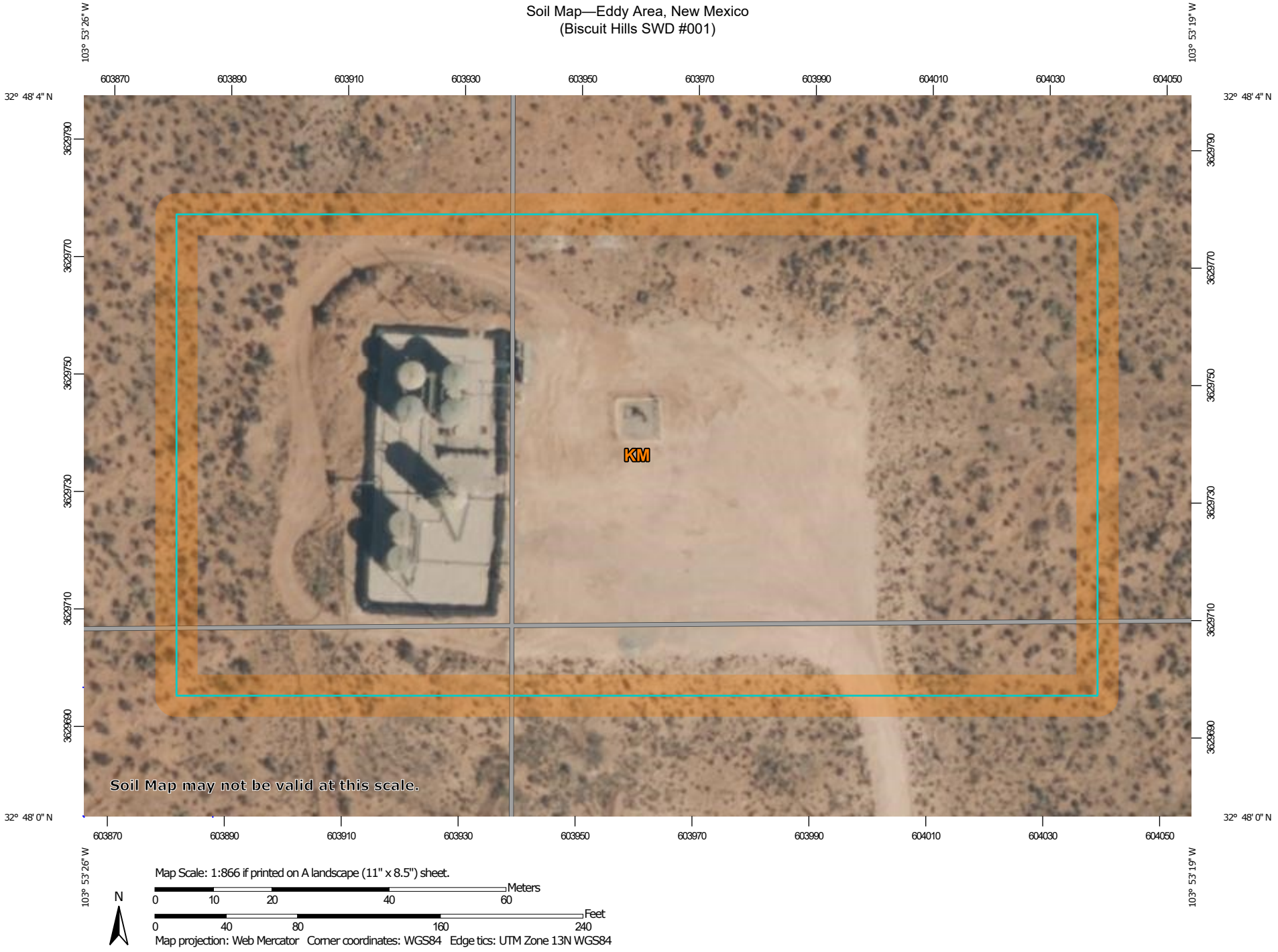
	New Mexico	Texas
HC gas release reportable?	NO	NO
H2S release reportable?	NO	NO

SPUR ENERGY PARTNERS

BISCUIT HILLS SWD #1
DOR: 9.17.19
SITE MAP

Legend
BISCUIT HILLS SWD #1

Soil Map—Eddy Area, New Mexico
(Biscuit Hills SWD #001)



Map Scale: 1:866 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 10 20 40 60

Feet
0 40 80 160 240

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

Soil Map—Eddy Area, New Mexico
(Biscuit Hills SWD #001)

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 16, Jun 8, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KM	Kermit-Berino fine sands, 0 to 3 percent slopes	3.2	100.0%
Totals for Area of Interest		**3.2**	**100.0%**

SPUR ENERGY PARTNERS

BISCUIT HILLS SWD #1
DOR: 9.17.19
KARST MAP: LOW

Legend

- BISCUIT HILLS SWD #1
- High
- Low
- Medium

121

249

Hwy 82

Maljamar

Loco Hills

82

BISCUIT HILLS SWD #1

Bermuda Rd

529

360

Bluestem Rd

Google Earth

Image Landsat / Copernicus

N

6 mi

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 11590 POD3		RA	ED		3	1	2	32	17S	31E	603932	3629260		472	01/22/2010	01/22/2010	04/23/2010	60			225
RA 11590 POD4		RA	ED		4	1	1	32	17S	31E	603308	3629253		790	01/21/2010	01/22/2010	04/23/2010	55			225

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 603936.2 **Northing (Y):** 3629732.82 **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)
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(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 11590 POD3		RA	ED		3	1	2	32	17S	31E	603932	3629260	472	01/22/2010	01/22/2010	04/23/2010	60			225
RA 11590 POD4		RA	ED		4	1	1	32	17S	31E	603308	3629253	790	01/21/2010	01/22/2010	04/23/2010	55			225
RA 11590 POD1		RA	ED		2	1	3	32	17S	31E	603315	3628545	1340	01/20/2010	01/26/2010	04/23/2010	158			225

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 603936.2 **Northing (Y):** 3629732.82 **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	Twp	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
RA 11590 POD3		RA	ED		3	1	2	32	17S	31E	603932	3629260	472	01/22/2010	01/22/2010	04/23/2010	60			225
RA 11590 POD4		RA	ED		4	1	1	32	17S	31E	603308	3629253	790	01/21/2010	01/22/2010	04/23/2010	55			225
RA 11590 POD1		RA	ED		2	1	3	32	17S	31E	603315	3628545	1340	01/20/2010	01/26/2010	04/23/2010	158			225
L 14207 POD3		L	LE	Shallow	2	3	3	31	16S	37E	606117	3636977	7565	10/03/2016	10/12/2016	12/12/2016	240	96	WHITE, JOHN W	1456
RA 11914 POD1		RA	ED	Shallow	2	4	2	20	17S	30E	594801	3632002	9412	03/19/2013	03/19/2013	04/09/2013	85	80	JOHN NORRIS	1682
CP 00672		CP	LE	Shallow		4	4	07	18S	32E	612475	3624947*	9788	07/17/1992	08/07/1992	08/12/1992	524	430	ABBOTT, MURRELL	46
CP 00672 CLW475398	O	CP	LE	Shallow		4	4	07	18S	32E	612475	3624947*	9788	01/22/1985	01/29/1985	02/08/1985	540	460	FELKINS, LARRY	882

Record Count: 7

UTMNAD83 Radius Search (in meters):

Easting (X): 603936.2 **Northing (Y):** 3629732.82 **Radius:** 10000

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

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	Twn	Rng	X	Y
	RA 11590 POD1	2	1	3	32	17S	31E	603315	3628545

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

Drill Start Date: 01/20/2010 **Drill Finish Date:** 01/26/2010 **Plug Date:**
Log File Date: 04/23/2010 **PCW Rcv Date:** **Source:**
Pump Type: **Pipe Discharge Size:** **Estimated Yield:**
Casing Size: **Depth Well:** 158 feet **Depth Water:**

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:**	

New Mexico Office of the State Engineer
Point of Diversion Summary

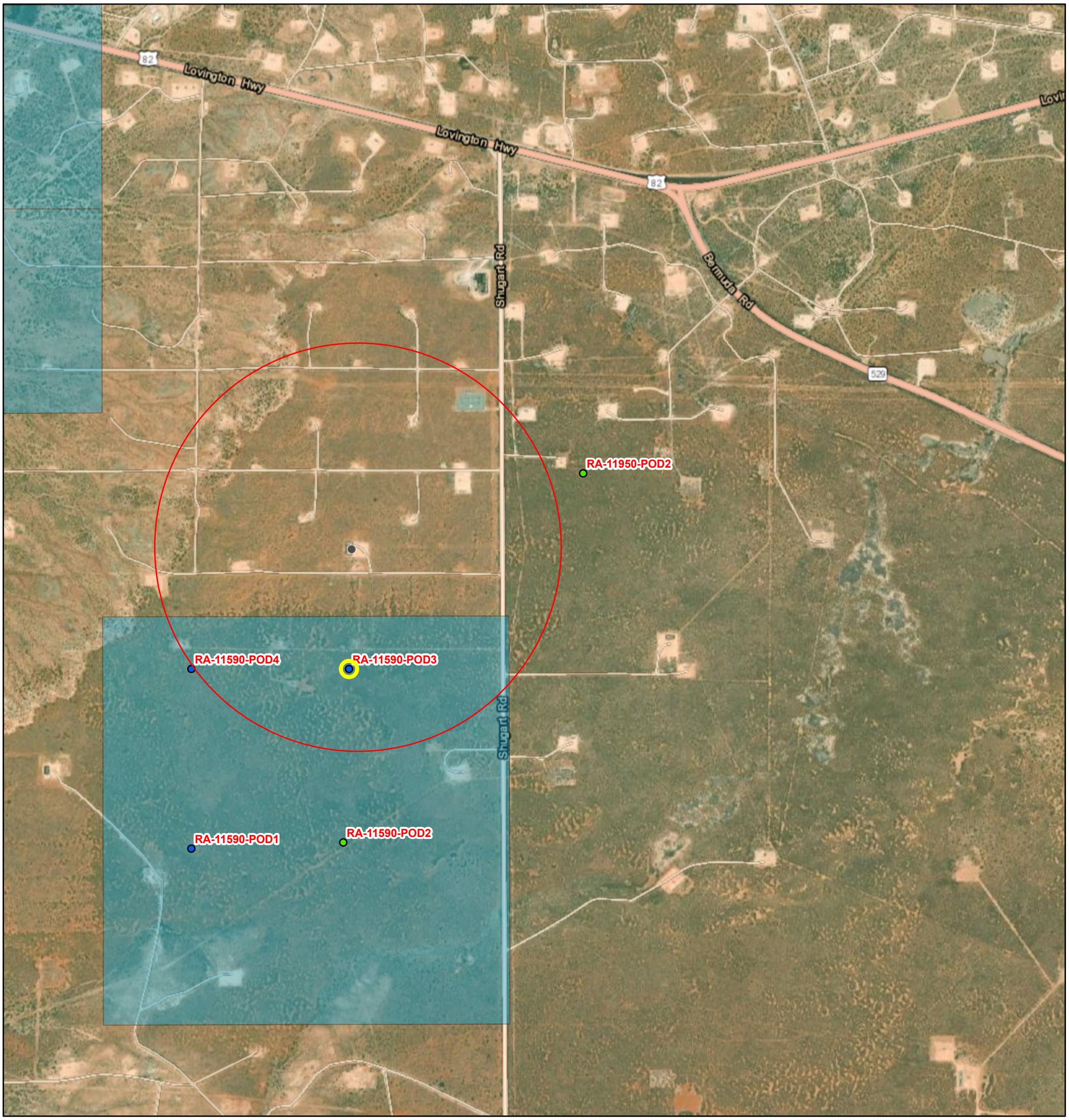
(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 11590 POD3	3	1	2	32	17S	31E	603932	3629260

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

Drill Start Date:	01/22/2010	**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:**	60 feet	**Depth Water:**	

OSE PUBLIC PRINT



5/27/2021, 12:08:52 PM

GIS WATERS PODs

- Active
- Pending
- OSE District Boundary

New Mexico State Trust Lands

- Both Estates
- SiteBoundaries

1:18,056

0 0.17 0.35 0.7 mi

0 0.28 0.55 1.1 km

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

Printed from Public Web Map
Unofficial Map from OSE POD Locations Web Application

SPUR ENERGY PARTNERS

BISCUIT HILLS SWD #1
DOR: 9.17.19
GROUND WATER MAP

Legend
RA 11590

BISCUIT HILLS SWD #1

RA 11590 POD 4 NO GW

RA 11590 POD3 NO GW

RA 11590 POD1 NO GW

222

Shugart Rd

N

1000 ft

Company Name: SPUR **LOCATION NAME:** BISCUIT HILLS **Release Date:** 9/17/2019

SP ID	Depth	Titr	PID	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL	Soil	Notes
SP 1	SURF	480									
	2'	480									
	4'	400		ND	ND	ND	ND	ND	289		
SP 2	SURF	7760									
	2'	640									
	4'	320		ND	ND	ND	ND	ND	119		
SP 3	SURF	3680									
	2'	5600									
	4'	480		ND	ND	ND	ND	ND	447		
SP 4	SURF	6320									
	2'	4000									
	4'	560		ND	ND	ND	ND	ND	79.5		
SP 5	SURF	320									
	2'	160									
	4'	160		ND	ND	ND	ND	ND	108		
SP 6	SURF	560									
	2'	400									
	4'	320		ND	ND	ND	ND	ND	266		
SP 7	SURF	400									
	2'	320									
	4'	160		ND	ND	ND	ND	ND	20.9		
SP 8	SURF	3280									
	2'	560									
	4'	320		ND	ND	ND	ND	ND	101		

SW 1	SURF	400									
	1'	320									
	2'	160		ND	ND	ND	ND	ND	ND		
SW 2	SURF	400									
	1'	400									
	2'	320		ND	ND	ND	ND	ND	ND		
SW 3	SURF	560									
	1'	400									
	2'	320		ND	ND	ND	ND	ND	236		
SW 4	SURF	160									
	1'	160									
	2'	80		ND	ND	ND	ND	ND	742		
SW 5	SURF	320									
	1'	320									
	2'	160		ND	ND	ND	ND	ND	128		
SW 6	SURF	320									
	1'	320									
	2'	80		ND	ND	ND	ND	ND	52.7		
SP ID	Depth	Titr	PID	L-BTEX	L-DRO	L-ORO	L-GRO	L-TPH	L-CHL		
C1 SP1		2880		ND	269	284	ND	553	3300		
C1 SP2		2400		ND	277	271	ND	548	3680		
C1 SP3		3600		ND	183	111	ND	294	3690		
C1 SP4		2080		ND	277	163	ND	440	3710		
C1 SP5		2560		ND	399	372	ND	771	3490		
C2 SP1		2560		ND	401	331	ND	732	3490		
C2 SP2		2080		ND	367	292	ND	659	3210		
C2 SP3		2320		ND	226	155	ND	381	3160		

C2 SP4		2920		ND	215	201	ND	416	3750		
CS SP5		2880		ND	202	195	ND	397	4280		
C3 SP1		3280		ND	245	236	ND	481	3870		
C3 SP2		2480		ND	151	76.7	ND	227.7	3660		
C3 SP3		3200		ND	264	130	ND	394	3930		
C3 SP4		2400		ND	304	280	ND	584	3670		
C3 SP5		2560		ND	461	240	ND	701	3450		
C SW1		2960		ND	228	128	ND	356	3800		
C SW2		2960		ND	1620	380	ND	2000	3690		
C SW3		2480		ND	236	143	ND	379	3640		
C SW4		2480		ND	385	164	ND	549	3250		

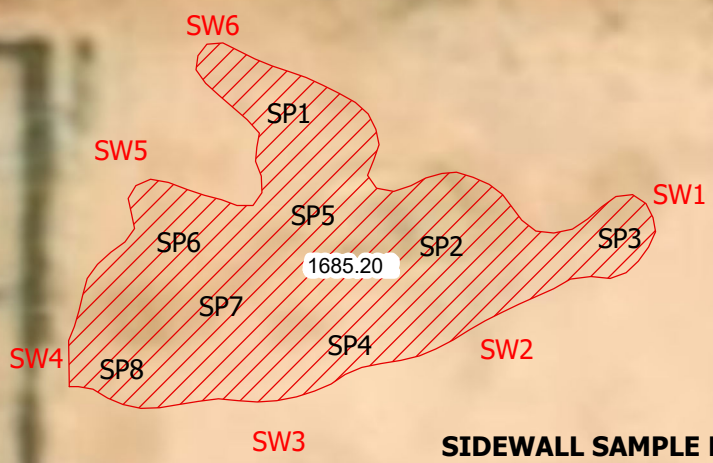
Spur Energy Partners
Biscuit Hills SWD #1

Legend

SpillArea

SAMPLE POINT GPS:

SP1: 32.800821 -103.889649
SP2: 32.800739 -103.889561
SP3: 32.800744 -103.889446
SP4: 32.800669 -103.889608
SP5: 32.800795 -103.889705
SP6: 32.800734 -103.889771
SP7: 32.800686 -103.889702
SP8: 32.800664 -103.889798



SIDEWALL SAMPLE POINT GPS:

SW1: 32.800768 -103.889419
SW2: 32.800648 -103.889526
SW3: 32.800611 -103.889698
SW4: 32.800642 -103.889848
SW5: 32.800776 -103.889793
SW6: 32.800868 -103.889725

0 5 10 20 30 40 Yards

Hungry Horse, LLC
Oil & Gas Services

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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Analytical Laboratory

Analytical Report

Report Summary

Client: Spur

Samples Received: 3/28/2020
Job Number: 19054-0003
Work Order: P003129
Project Name/Location: Biscuit Hills SWD

Report Reviewed By: Walter Hinchman Date: 3/30/20

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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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1-4'	P003129-01A	Soil	03/26/20	03/28/20	Glass Jar, 4 oz.
SP2-4'	P003129-02A	Soil	03/26/20	03/28/20	Glass Jar, 4 oz.
SP3-4'	P003129-03A	Soil	03/26/20	03/28/20	Glass Jar, 4 oz.
SP4-4'	P003129-04A	Soil	03/26/20	03/28/20	Glass Jar, 4 oz.
SP5-4'	P003129-05A	Soil	03/26/20	03/28/20	Glass Jar, 4 oz.
SP6-4'	P003129-06A	Soil	03/26/20	03/28/20	Glass Jar, 4 oz.
SP7-4'	P003129-07A	Soil	03/26/20	03/28/20	Glass Jar, 4 oz.
SP8-4'	P003129-08A	Soil	03/26/20	03/28/20	Glass Jar, 4 oz.

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

SP1-4'

P003129-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Surrogate: n-Nonane		*77.3 %*		*50-200*	*2013025*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**289**	20.0	mg/kg	1	2013026	03/28/20	03/28/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

SP2-4'
P003129-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Surrogate: n-Nonane		*64.1 %*		*50-200*	*2013025*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**119**	20.0	mg/kg	1	2013026	03/28/20	03/28/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

SP3-4'
P003129-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Surrogate: n-Nonane		*62.5 %*		*50-200*	*2013025*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**447**	20.0	mg/kg	1	2013026	03/28/20	03/28/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

SP4-4'
P003129-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Surrogate: n-Nonane		*66.0 %*		*50-200*	*2013025*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**79.5**	20.0	mg/kg	1	2013026	03/28/20	03/28/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

SP5-4'
P003129-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Surrogate: n-Nonane		*80.8 %*		*50-200*	*2013025*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.3 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**108**	20.0	mg/kg	1	2013026	03/28/20	03/28/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

SP6-4'
P003129-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Surrogate: n-Nonane		*63.1 %*		*50-200*	*2013025*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.7 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**266**	20.0	mg/kg	1	2013026	03/28/20	03/28/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

SP7-4'

P003129-07 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Surrogate: n-Nonane		*68.8 %*		*50-200*	*2013025*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**20.9**	20.0	mg/kg	1	2013026	03/28/20	03/28/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

SP8-4'
P003129-08 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Surrogate: n-Nonane		*74.8 %*		*50-200*	*2013025*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*		*50-150*	*2013027*	*03/28/20*	*03/28/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**101**	20.0	mg/kg	1	2013026	03/28/20	03/28/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

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 2013027 - Purge and Trap EPA 5030A										
Blank (2013027-BLK1)				Prepared: 03/28/20 1 Analyzed: 03/28/20 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	*8.49*		*"*	*8.00*		*106*	*50-150*			
LCS (2013027-BS1)				Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Benzene	5.04	0.0250	mg/kg	5.00		101	70-130			
Toluene	5.06	0.0250	"	5.00		101	70-130			
Ethylbenzene	5.06	0.0250	"	5.00		101	70-130			
p,m-Xylene	10.1	0.0500	"	10.0		101	70-130			
o-Xylene	5.08	0.0250	"	5.00		102	70-130			
Total Xylenes	15.2	0.0250	"	15.0		101	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.53*		*"*	*8.00*		*107*	*50-150*			
Matrix Spike (2013027-MS1)		**Source: P003129-01**		Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Benzene	4.88	0.0250	mg/kg	5.00	ND	97.6	54.3-133			
Toluene	4.91	0.0250	"	5.00	ND	98.2	61.4-130			
Ethylbenzene	4.90	0.0250	"	5.00	ND	98.0	61.4-133			
p,m-Xylene	9.79	0.0500	"	10.0	ND	97.9	63.3-131			
o-Xylene	4.92	0.0250	"	5.00	ND	98.4	63.3-131			
Total Xylenes	14.7	0.0250	"	15.0	ND	98.1	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.43*		*"*	*8.00*		*105*	*50-150*			
Matrix Spike Dup (2013027-MSD1)		**Source: P003129-01**		Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Benzene	4.98	0.0250	mg/kg	5.00	ND	99.6	54.3-133	2.00	20	
Toluene	4.99	0.0250	"	5.00	ND	99.8	61.4-130	1.60	20	
Ethylbenzene	4.99	0.0250	"	5.00	ND	99.7	61.4-133	1.69	20	
p,m-Xylene	9.96	0.0500	"	10.0	ND	99.6	63.3-131	1.71	20	
o-Xylene	5.01	0.0250	"	5.00	ND	100	63.3-131	1.76	20	
Total Xylenes	15.0	0.0250	"	15.0	ND	99.8	0-200	1.73	200	
Surrogate: 4-Bromochlorobenzene-PID	*8.54*		*"*	*8.00*		*107*	*50-150*			

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Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

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 2013025 - DRO Extraction EPA 3570										
Blank (2013025-BLK1)				Prepared & Analyzed: 03/28/20 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	*51.8*		*"*	*50.0*		*104*	*50-200*			
LCS (2013025-BS1)				Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Diesel Range Organics (C10-C28)	450	25.0	mg/kg	500		90.1	38-132			
Surrogate: n-Nonane	*48.7*		*"*	*50.0*		*97.3*	*50-200*			
Matrix Spike (2013025-MS1)		**Source: P003130-01**		Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Diesel Range Organics (C10-C28)	598	25.0	mg/kg	500	155	88.7	38-132			
Surrogate: n-Nonane	*47.3*		*"*	*50.0*		*94.5*	*50-200*			
Matrix Spike Dup (2013025-MSD1)		**Source: P003130-01**		Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Diesel Range Organics (C10-C28)	592	25.0	mg/kg	500	155	87.5	38-132	0.933	20	
Surrogate: n-Nonane	*38.8*		*"*	*50.0*		*77.6*	*50-200*			

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Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

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 2013027 - Purge and Trap EPA 5030A										
Blank (2013027-BLK1)				Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*"*	*8.00*		*90.9*	*50-150*			
LCS (2013027-BS2)				Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Gasoline Range Organics (C6-C10)	45.2	20.0	mg/kg	50.0		90.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.46*		*"*	*8.00*		*93.3*	*50-150*			
Matrix Spike (2013027-MS2)		**Source: P003129-01**		Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Gasoline Range Organics (C6-C10)	45.2	20.0	mg/kg	50.0	ND	90.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.42*		*"*	*8.00*		*92.7*	*50-150*			
Matrix Spike Dup (2013027-MSD2)		**Source: P003129-01**		Prepared: 03/28/20 1 Analyzed: 03/29/20 0						
Gasoline Range Organics (C6-C10)	45.0	20.0	mg/kg	50.0	ND	90.0	70-130	0.323	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.41*		*"*	*8.00*		*92.6*	*50-150*			

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Spur	Project Name:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

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 2013026 - Anion Extraction EPA 300.0/9056A										
Blank (2013026-BLK1)				Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Chloride	ND	20.0	mg/kg							
LCS (2013026-BS1)				Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Chloride	254	20.0	mg/kg	250		102	90-110			
Matrix Spike (2013026-MS1)		**Source: P003129-01**		Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Chloride	580	20.0	mg/kg	250	289	116	80-120			
Matrix Spike Dup (2013026-MSD1)		**Source: P003129-01**		Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Chloride	561	20.0	mg/kg	250	289	109	80-120	3.25	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:	Biscuit Hills SWD	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	03/30/20 13:37

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

Client:	Spur
Project:	Biscuit Hills SWD
Project Manager:	
Address:	
City, State, Zip	
Phone:	
Email:	
Report due by:	

Bill To

Attention:	Hungry Horse / Natalie Gladden
Address:	
City, State, Zip	
Phone:	
Email:	ngladden@hungryhorse.com

Lab Use Only

Lab WO#	Job Number
P003129	19054-0003

TAT

1D	3D
X	

EPA Program

RCRA	CWA	SDWA

State

NM	CO	UT	AZ
TX	OK		

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
3/26/20		S		SP 1 - 4'	1									X				
3/26/20				SP 2 - 4'	2													
3/26/20				SP 3 - 4'	3													
3/26/20				SP4 - 4'	4													
3/26/20				SP5 - 4'	5													
3/27/20				SP6 - 4'	6													
3/27/20				SP7 - 4'	7													
3/27/20				SP8 - 4'	8													

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Natalie Rivera	3/27/20	13:41		3.27.2020	1341
	3.27.2020	1555	Raul Lopez	3/28/20	16:33

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

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Analytical Laboratory

Analytical Report

Report Summary

Client: Spur

Samples Received: 3/31/2020
Job Number: 19054-0003
Work Order: P003133
Project Name/Location: Biscuit Hills SWD#1

Report Reviewed By: Walter Hinchman Date: 4/1/20

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:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1-2'	P003133-01A	Soil	03/27/20	03/31/20	Glass Jar, 4 oz.
SW2-2'	P003133-02A	Soil	03/27/20	03/31/20	Glass Jar, 4 oz.
SW3-2'	P003133-03A	Soil	03/27/20	03/31/20	Glass Jar, 4 oz.
SW4-2'	P003133-04A	Soil	03/27/20	03/31/20	Glass Jar, 4 oz.
SW5-2'	P003133-05A	Soil	03/27/20	03/31/20	Glass Jar, 4 oz.
SW6-2'	P003133-06A	Soil	03/27/20	03/31/20	Glass Jar, 4 oz.

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

SW1-2'

P003133-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		*85.4 %*		*50-200*	*2014004*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	2014002	03/31/20	03/31/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

SW2-2'

P003133-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		*89.4 %*		*50-200*	*2014004*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	2014002	03/31/20	03/31/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

SW3-2'

P003133-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		*84.6 %*		*50-200*	*2014004*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**236**	20.0	mg/kg	1	2014002	03/31/20	03/31/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

SW4-2'

P003133-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		*89.6 %*		*50-200*	*2014004*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.3 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**742**	20.0	mg/kg	1	2014002	03/31/20	03/31/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

SW5-2'

P003133-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		*87.9 %*		*50-200*	*2014004*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.4 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**128**	20.0	mg/kg	1	2014002	03/31/20	03/31/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

SW6-2'
P003133-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014004	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		*89.1 %*		*50-200*	*2014004*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014006	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.3 %*		*50-150*	*2014006*	*03/31/20*	*03/31/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**52.7**	20.0	mg/kg	1	2014002	03/31/20	03/31/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

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 2014006 - Purge and Trap EPA 5030A										
Blank (2014006-BLK1)				Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 4-Bromochlorobenzene-PID	*8.31*		*"*	*8.00*		*104*	*50-150*			
LCS (2014006-BS1)				Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Benzene	5.06	0.0250	mg/kg	5.00		101	70-130			
Toluene	5.09	0.0250	"	5.00		102	70-130			
Ethylbenzene	5.10	0.0250	"	5.00		102	70-130			
p,m-Xylene	10.2	0.0500	"	10.0		102	70-130			
o-Xylene	5.11	0.0250	"	5.00		102	70-130			
Total Xylenes	15.3	0.0250	"	15.0		102	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.53*		*"*	*8.00*		*107*	*50-150*			
Matrix Spike (2014006-MS1)		**Source: P003133-01**		Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Benzene	4.80	0.0250	mg/kg	5.00	ND	96.0	54.3-133			
Toluene	4.82	0.0250	"	5.00	ND	96.3	61.4-130			
Ethylbenzene	4.81	0.0250	"	5.00	ND	96.1	61.4-133			
p,m-Xylene	9.60	0.0500	"	10.0	ND	96.0	63.3-131			
o-Xylene	4.83	0.0250	"	5.00	ND	96.6	63.3-131			
Total Xylenes	14.4	0.0250	"	15.0	ND	96.2	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.38*		*"*	*8.00*		*105*	*50-150*			
Matrix Spike Dup (2014006-MSD1)		**Source: P003133-01**		Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Benzene	4.97	0.0250	mg/kg	5.00	ND	99.4	54.3-133	3.49	20	
Toluene	4.97	0.0250	"	5.00	ND	99.4	61.4-130	3.17	20	
Ethylbenzene	4.96	0.0250	"	5.00	ND	99.2	61.4-133	3.17	20	
p,m-Xylene	9.90	0.0500	"	10.0	ND	99.0	63.3-131	3.10	20	
o-Xylene	4.98	0.0250	"	5.00	ND	99.6	63.3-131	3.06	20	
Total Xylenes	14.9	0.0250	"	15.0	ND	99.2	0-200	3.09	200	
Surrogate: 4-Bromochlorobenzene-PID	*8.42*		*"*	*8.00*		*105*	*50-150*			

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

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 2014004 - DRO Extraction EPA 3570										
Blank (2014004-BLK1)				Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	*51.0*		*"*	*50.0*		*102*	*50-200*			
LCS (2014004-BS1)				Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Diesel Range Organics (C10-C28)	443	25.0	mg/kg	500		88.6	38-132			
Surrogate: n-Nonane	*46.9*		*"*	*50.0*		*93.9*	*50-200*			
Matrix Spike (2014004-MS1)		**Source: P003133-01**		Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Diesel Range Organics (C10-C28)	468	25.0	mg/kg	500	ND	93.6	38-132			
Surrogate: n-Nonane	*47.3*		*"*	*50.0*		*94.7*	*50-200*			
Matrix Spike Dup (2014004-MSD1)		**Source: P003133-01**		Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Diesel Range Organics (C10-C28)	490	25.0	mg/kg	500	ND	98.0	38-132	4.55	20	
Surrogate: n-Nonane	*48.7*		*"*	*50.0*		*97.3*	*50-200*			

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

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 2014006 - Purge and Trap EPA 5030A										
Blank (2014006-BLK1)				Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		*"*	*8.00*		*91.9*	*50-150*			
LCS (2014006-BS2)				Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Gasoline Range Organics (C6-C10)	44.7	20.0	mg/kg	50.0		89.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*"*	*8.00*		*92.2*	*50-150*			
Matrix Spike (2014006-MS2)		**Source: P003133-01**		Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Gasoline Range Organics (C6-C10)	45.3	20.0	mg/kg	50.0	ND	90.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		*"*	*8.00*		*91.9*	*50-150*			
Matrix Spike Dup (2014006-MSD2)		**Source: P003133-01**		Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Gasoline Range Organics (C6-C10)	44.7	20.0	mg/kg	50.0	ND	89.5	70-130	1.25	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*"*	*8.00*		*92.3*	*50-150*			

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

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 2014002 - Anion Extraction EPA 300.0/9056A										
Blank (2014002-BLK1)				Prepared & Analyzed: 03/31/20 0						
Chloride	ND	20.0	mg/kg							
LCS (2014002-BS1)				Prepared & Analyzed: 03/31/20 0						
Chloride	240	20.0	mg/kg	250		95.9	90-110			
Matrix Spike (2014002-MS1)		**Source: P003132-01**		Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Chloride	247	20.0	mg/kg	250	ND	98.8	80-120			
Matrix Spike Dup (2014002-MSD1)		**Source: P003132-01**		Prepared: 03/31/20 0 Analyzed: 03/31/20 1						
Chloride	248	20.0	mg/kg	250	ND	99.1	80-120	0.295	20	

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

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	04/01/20 13:18

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:	Biscuit Hills SWD #1
Project Manager:	E. Franco
Address:	
City, State, Zip	
Phone:	
Email:	
Report due by:	

Bill To

Attention:	Hungry - Horse
Address:	
City, State, Zip	
Phone:	
Email:	ngladden@hungryhorse.com

Lab Use Only

Lab WO#	Job Number
P003133	19054-0003

TAT: 1D / 3D — 3D

EPA Program: RCRA | CWA | SDWA

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

Analysis and Method

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
13:22	3/27	S	1	SW1-2'	1													
				SW2-2'	2													
				SW3-2'	3													
				SW4-2'	4													
				SW5-2'	5													
				SW6-2'	6													

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Natalie Gladden	3/30/20	1405		3.30.2020	1405
	3.30.2020	1640	Raiz Lopez	3/31/20	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

Spur Energy Partners
Biscuit Hills SWD #1

Legend

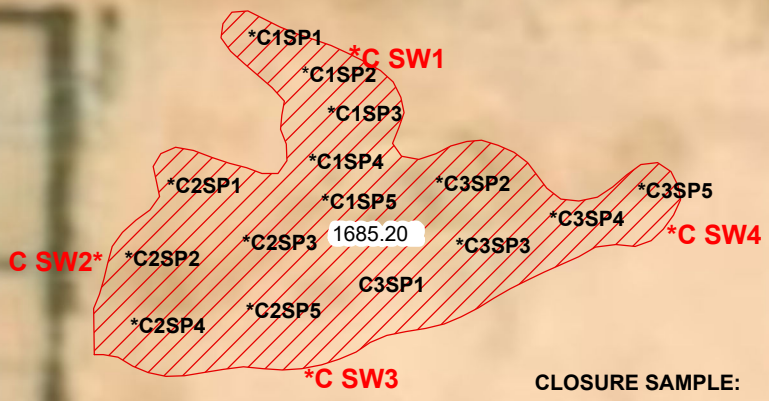
SpillArea

CLOSURE SAMPLES:

C1SP1: 32.800873 -103.889765
C1SP2: 32.800843 -103.889668
C1SP3: 32.800798 -103.889626
C1SP4: 32.800764 -103.889669
C1SP5: 32.800719 -103.889643

CLOSURE SAMPLES:

C2SP1: 32.800761 -103.889786
C2SP2: 32.800708 -103.889834
C2SP3: 32.800763 -103.889736
C2SP4: 32.800658 -103.889829
C2SP5: 32.800662 -103.889731



CLOSURE SAMPLE:

C3SP1: 32.800677 -103.889642
C3SP2: 32.800755 -103.889566
C3SP3: 32.800705 -103.889574
C3SP4: 32.800725 -103.889510
C3SP5: 32.889762 -103.889462

SIDEWALL COMPOSITES
C SW1: 32.800828 -103.889643
C SW2: 32.800600 -103.889880
C SW3: 32.800539 -103.889678
C SW4: 32.800672 -103.889434

0 5 10 20 30 40 Yards

Hungry-Horse, LLC
Oil & Gas Services

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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Analytical Laboratory

Analytical Report

Report Summary

Client: Spur

Samples Received: 4/1/2020
Job Number: 19054-0003
Work Order: P004001
Project Name/Location: Biscuit Hills SWD#1

Report Reviewed By: Walter Hinchman, Laboratory Director

Date: 4/2/20

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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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C1SP1	P004001-01A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C1SP2	P004001-02A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C1SP3	P004001-03A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C1SP4	P004001-04A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C1SP5	P004001-05A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C1 Composite	P004001-06A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C2SP1	P004001-07A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C2SP2	P004001-08A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C2SP3	P004001-09A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C2SP4	P004001-10A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C2SP5	P004001-11A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C2 Composite	P004001-12A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C3SP1	P004001-13A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C3SP2	P004001-14A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C3SP3	P004001-15A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C3SP4	P004001-16A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C3SP5	P004001-17A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
C3 Composite	P004001-18A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
CSW1	P004001-19A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
CSW2	P004001-20A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
CSW3	P004001-21A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.
CSW4	P004001-22A	Soil	03/31/20	04/01/20	Glass Jar, 4 oz.

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C1SP1

P004001-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**269**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**284**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*92.5 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3300**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C1SP2

P004001-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**277**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**271**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*89.8 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3680**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C1SP3

P004001-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**183**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**111**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*87.5 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3690**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C1SP4

P004001-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**277**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**163**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*89.0 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3710**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C1SP5

P004001-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**399**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**372**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*103 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3490**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C1 Composite

P004001-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**276**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**255**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*88.2 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3280**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C2SP1

P004001-07 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**401**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**331**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*82.7 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3490**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C2SP2

P004001-08 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**367**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**292**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*93.0 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3210**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C2SP3

P004001-09 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**226**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**155**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*87.7 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3160**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C2SP4

P004001-10 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**215**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**201**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*90.6 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.1 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3740**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C2SP5

P004001-11 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**202**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**195**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*91.6 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.4 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**4280**	40.0	mg/kg	2	2014012	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C2 Composite

P004001-12 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**175**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**183**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*93.2 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.9 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3840**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C3SP1

P004001-13 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**245**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**236**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*90.3 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.1 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3870**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C3SP2

P004001-14 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**151**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**76.7**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*90.7 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.2 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3660**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C3SP3

P004001-15 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**264**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**130**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*89.4 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.8 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3930**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C3SP4

P004001-16 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**304**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**280**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*107 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014015	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.5 %*		*50-150*	*2014015*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3670**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C3SP5

P004001-17 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Toluene-d8		*106 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*94.9 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**461**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**240**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*74.5 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Toluene-d8		*106 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*94.9 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3450**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

C3 Composite
P004001-18 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Toluene-d8		*105 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*96.2 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**266**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**132**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*76.6 %*	*50-200*		*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Toluene-d8		*105 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*96.2 %*	*70-130*		*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3240**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

CSW1

P004001-19 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Toluene-d8		*107 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*99.3 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**228**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**128**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*82.6 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Toluene-d8		*107 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*99.3 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3800**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

CSW2

P004001-20 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Toluene-d8		*107 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*98.2 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**1620**	25.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**380**	50.0	mg/kg	1	2014016	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*77.9 %*		*50-200*	*2014016*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Toluene-d8		*107 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*98.2 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3690**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

CSW3

P004001-21 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Toluene-d8		*104 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*97.4 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**236**	25.0	mg/kg	1	2014017	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**143**	50.0	mg/kg	1	2014017	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*86.2 %*		*50-200*	*2014017*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Toluene-d8		*104 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*97.4 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3640**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

CSW4

P004001-22 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Toluene-d8		*107 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*98.4 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8260B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	**385**	25.0	mg/kg	1	2014017	04/01/20	04/01/20	EPA 8015D	
Oil Range Organics (C28-C40)	**164**	50.0	mg/kg	1	2014017	04/01/20	04/01/20	EPA 8015D	
Surrogate: n-Nonane		*82.7 %*		*50-200*	*2014017*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014010	04/01/20	04/01/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Toluene-d8		*107 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*98.4 %*		*70-130*	*2014010*	*04/01/20*	*04/01/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**3250**	40.0	mg/kg	2	2014013	04/01/20	04/01/20	EPA 300.0/9056A	

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2014010 - Purge and Trap EPA 5030A										
Blank (2014010-BLK1)				Prepared: 03/31/20 1 Analyzed: 04/01/20 1						
Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 1,2-Dichloroethane-d4	*0.496*		"	*0.500*		*99.1*	*70-130*			
Surrogate: Toluene-d8	*0.537*		"	*0.500*		*107*	*70-130*			
Surrogate: Bromofluorobenzene	*0.492*		"	*0.500*		*98.3*	*70-130*			
LCS (2014010-BS1)				Prepared: 03/31/20 1 Analyzed: 04/01/20 1						
Benzene	2.22	0.0250	mg/kg	2.50		88.8	70-130			
Toluene	2.50	0.0250	"	2.50		99.9	70-130			
Ethylbenzene	2.50	0.0250	"	2.50		100	70-130			
p,m-Xylene	4.96	0.0500	"	5.00		99.1	70-130			
o-Xylene	2.48	0.0250	"	2.50		99.2	70-130			
Total Xylenes	7.44	0.0250	"	7.50		99.2	0-200			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		"	*0.500*		*94.5*	*70-130*			
Surrogate: Toluene-d8	*0.525*		"	*0.500*		*105*	*70-130*			
Surrogate: Bromofluorobenzene	*0.483*		"	*0.500*		*96.6*	*70-130*			
Matrix Spike (2014010-MS1)		**Source: P003138-01**		Prepared: 03/31/20 1 Analyzed: 04/01/20 1						
Benzene	2.28	0.0250	mg/kg	2.50	ND	91.2	48-131			
Toluene	2.52	0.0250	"	2.50	ND	101	48-130			
Ethylbenzene	2.53	0.0250	"	2.50	ND	101	45-135			
p,m-Xylene	5.01	0.0500	"	5.00	ND	100	43-135			
o-Xylene	2.50	0.0250	"	2.50	ND	100	43-135			
Total Xylenes	7.51	0.0250	"	7.50	ND	100	0-200			
Surrogate: 1,2-Dichloroethane-d4	*0.514*		"	*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.533*		"	*0.500*		*107*	*70-130*			
Surrogate: Bromofluorobenzene	*0.485*		"	*0.500*		*97.0*	*70-130*			
Matrix Spike Dup (2014010-MSD1)		**Source: P003138-01**		Prepared: 03/31/20 1 Analyzed: 04/01/20 1						
Benzene	2.24	0.0250	mg/kg	2.50	ND	89.6	48-131	1.81	23	
Toluene	2.42	0.0250	"	2.50	ND	96.8	48-130	4.23	24	
Ethylbenzene	2.41	0.0250	"	2.50	ND	96.5	45-135	4.59	27	
p,m-Xylene	4.84	0.0500	"	5.00	ND	96.7	43-135	3.63	27	
o-Xylene	2.41	0.0250	"	2.50	ND	96.2	43-135	3.87	27	
Total Xylenes	7.24	0.0250	"	7.50	ND	96.5	0-200	3.71	200	
Surrogate: 1,2-Dichloroethane-d4	*0.505*		"	*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.519*		"	*0.500*		*104*	*70-130*			
Surrogate: Bromofluorobenzene	*0.476*		"	*0.500*		*95.1*	*70-130*			

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

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 2014015 - Purge and Trap EPA 5030A										
Blank (2014015-BLK1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 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	*8.43*		*"*	*8.00*		*105*	*50-150*			
LCS (2014015-BS1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Benzene	5.02	0.0250	mg/kg	5.00		100	70-130			
Toluene	5.06	0.0250	"	5.00		101	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	5.08	0.0250	"	5.00		102	70-130			
Total Xylenes	15.2	0.0250	"	15.0		102	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.42*		*"*	*8.00*		*105*	*50-150*			
Matrix Spike (2014015-MS1)		**Source: P004001-01**		Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Benzene	4.96	0.0250	mg/kg	5.00	ND	99.2	54.3-133			
Toluene	4.99	0.0250	"	5.00	ND	99.9	61.4-130			
Ethylbenzene	5.00	0.0250	"	5.00	ND	99.9	61.4-133			
p,m-Xylene	9.99	0.0500	"	10.0	ND	99.9	63.3-131			
o-Xylene	5.00	0.0250	"	5.00	ND	100	63.3-131			
Total Xylenes	15.0	0.0250	"	15.0	ND	99.9	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.58*		*"*	*8.00*		*107*	*50-150*			
Matrix Spike Dup (2014015-MSD1)		**Source: P004001-01**		Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Benzene	5.04	0.0250	mg/kg	5.00	ND	101	54.3-133	1.66	20	
Toluene	5.05	0.0250	"	5.00	ND	101	61.4-130	1.14	20	
Ethylbenzene	5.06	0.0250	"	5.00	ND	101	61.4-133	1.16	20	
p,m-Xylene	10.1	0.0500	"	10.0	ND	101	63.3-131	1.04	20	
o-Xylene	5.05	0.0250	"	5.00	ND	101	63.3-131	0.999	20	
Total Xylenes	15.1	0.0250	"	15.0	ND	101	0-200	1.03	200	
Surrogate: 4-Bromochlorobenzene-PID	*8.41*		*"*	*8.00*		*105*	*50-150*			

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

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 2014016 - DRO Extraction EPA 3570										
Blank (2014016-BLK1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	*48.1*		*"*	*50.0*		*96.1*	*50-200*			
LCS (2014016-BS1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Diesel Range Organics (C10-C28)	437	25.0	mg/kg	500		87.5	38-132			
Surrogate: n-Nonane	*48.1*		*"*	*50.0*		*96.3*	*50-200*			
Matrix Spike (2014016-MS1)	**Source: P004001-01**			Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Diesel Range Organics (C10-C28)	837	25.0	mg/kg	500	269	114	38-132			
Surrogate: n-Nonane	*49.5*		*"*	*50.0*		*98.9*	*50-200*			
Matrix Spike Dup (2014016-MSD1)	**Source: P004001-01**			Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Diesel Range Organics (C10-C28)	691	25.0	mg/kg	500	269	84.5	38-132	19.0	20	
Surrogate: n-Nonane	*48.3*		*"*	*50.0*		*96.6*	*50-200*			

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Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

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 2014017 - DRO Extraction EPA 3570										
Blank (2014017-BLK1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 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*		*94.7*	*50-200*			
LCS (2014017-BS1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Diesel Range Organics (C10-C28)	452	25.0	mg/kg	500		90.4	38-132			
Surrogate: n-Nonane	*48.3*		*"*	*50.0*		*96.5*	*50-200*			
Matrix Spike (2014017-MS1)	**Source: P003138-01**			Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Diesel Range Organics (C10-C28)	447	25.0	mg/kg	500	ND	89.5	38-132			
Surrogate: n-Nonane	*49.0*		*"*	*50.0*		*98.1*	*50-200*			
Matrix Spike Dup (2014017-MSD1)	**Source: P003138-01**			Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Diesel Range Organics (C10-C28)	442	25.0	mg/kg	500	ND	88.4	38-132	1.23	20	
Surrogate: n-Nonane	*49.3*		*"*	*50.0*		*98.6*	*50-200*			

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Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

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 2014010 - Purge and Trap EPA 5030A										
Blank (2014010-BLK1)				Prepared: 03/31/20 1 Analyzed: 04/01/20 1						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	*0.496*		"	*0.500*		*99.1*	*70-130*			
Surrogate: Toluene-d8	*0.537*		"	*0.500*		*107*	*70-130*			
Surrogate: Bromofluorobenzene	*0.492*		"	*0.500*		*98.3*	*70-130*			
LCS (2014010-BS2)				Prepared: 03/31/20 1 Analyzed: 04/01/20 1						
Gasoline Range Organics (C6-C10)	50.3	20.0	mg/kg	50.0		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.490*		"	*0.500*		*98.0*	*70-130*			
Surrogate: Toluene-d8	*0.543*		"	*0.500*		*109*	*70-130*			
Surrogate: Bromofluorobenzene	*0.484*		"	*0.500*		*96.8*	*70-130*			
Matrix Spike (2014010-MS2)	**Source: P003138-01**			Prepared: 03/31/20 1 Analyzed: 04/01/20 1						
Gasoline Range Organics (C6-C10)	51.9	20.0	mg/kg	50.0	ND	104	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.515*		"	*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.534*		"	*0.500*		*107*	*70-130*			
Surrogate: Bromofluorobenzene	*0.487*		"	*0.500*		*97.3*	*70-130*			
Matrix Spike Dup (2014010-MSD2)	**Source: P003138-01**			Prepared: 03/31/20 1 Analyzed: 04/01/20 1						
Gasoline Range Organics (C6-C10)	51.9	20.0	mg/kg	50.0	ND	104	70-130	0.0183	20	
Surrogate: 1,2-Dichloroethane-d4	*0.516*		"	*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.532*		"	*0.500*		*106*	*70-130*			
Surrogate: Bromofluorobenzene	*0.483*		"	*0.500*		*96.6*	*70-130*			

envirotech
Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

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 2014015 - Purge and Trap EPA 5030A										
Blank (2014015-BLK1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*"*	*8.00*		*90.9*	*50-150*			
LCS (2014015-BS2)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Gasoline Range Organics (C6-C10)	43.1	20.0	mg/kg	50.0		86.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		*"*	*8.00*		*91.9*	*50-150*			
Matrix Spike (2014015-MS2)		**Source: P004001-01**		Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Gasoline Range Organics (C6-C10)	44.2	20.0	mg/kg	50.0	ND	88.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.25*		*"*	*8.00*		*90.7*	*50-150*			
Matrix Spike Dup (2014015-MSD2)		**Source: P004001-01**		Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Gasoline Range Organics (C6-C10)	44.5	20.0	mg/kg	50.0	ND	89.0	70-130	0.773	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*"*	*8.00*		*92.2*	*50-150*			

envirotech
Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

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 2014012 - Anion Extraction EPA 300.0/9056A										
Blank (2014012-BLK1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Chloride	ND	20.0	mg/kg							
LCS (2014012-BS1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Chloride	253	20.0	mg/kg	250		101	90-110			
Matrix Spike (2014012-MS1)		**Source: P004001-01**		Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Chloride	3620	40.0	mg/kg	250	3300	127	80-120			M2
Matrix Spike Dup (2014012-MSD1)		**Source: P004001-01**		Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Chloride	3860	40.0	mg/kg	250	3300	227	80-120	6.67	20	M2

envirotech
Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

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 2014013 - Anion Extraction EPA 300.0/9056A										
Blank (2014013-BLK1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Chloride	ND	20.0	mg/kg							
LCS (2014013-BS1)				Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Chloride	248	20.0	mg/kg	250		99.4	90-110			
Matrix Spike (2014013-MS1)		**Source: P004001-12**		Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Chloride	4000	40.0	mg/kg	250	3840	64.2	80-120			M2
Matrix Spike Dup (2014013-MSD1)		**Source: P004001-12**		Prepared: 04/01/20 0 Analyzed: 04/01/20 1						
Chloride	4110	40.0	mg/kg	250	3840	105	80-120	2.54	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.

envirotech
Analytical Laboratory

Spur	Project Name:	Biscuit Hills SWD#1	
PO Box 1058	Project Number:	19054-0003	**Reported:**
Hobbs NM, 88240	Project Manager:	Kenny Kidd	04/02/20 13:28

Notes and Definitions

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

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

Project Information

Chain of Custody

3.31.20

Client:	Spur Energy
Project:	Biscuit Hills SWD #1
Project Manager:	Kenny Kidd
Address:	919 Milam St suite 2475
City, State, Zip	Houston TX 77002
Phone:	
Email:	

Report Attention

Report due by:	Hungry Horse LLC.
Attention:	Natalie Gladden
Address:	4024 Plains Hwy
City, State, Zip	Lovington NM, 88260
Phone:	575-390-6397
Email:	Ngladden@hungry-horse.com

Lab Use Only

Lab WO# P004001 — Job Number 19054-0003

TAT: 1D ✓ | 3D

EPA Program: RCRA | CWA | SDWA

State: NM ✓ | CO | UT | AZ

Analysis and Method

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	Remarks
7:28	3/31	S	1	C1SP1	1	✓	✓	✓	✓	✓	✓	
7:31			1	C1SP2	2							
7:33			1	C1SP3	3							
7:34			1	C1SP4	4							
7:37			1	C1SP5	5							
7:41			1	C1 Composite	6							
7:45			1	C2SP1	7							
7:49			1	C2SP2	8							
7:51			1	C2SP3	9							
7:54			1	C2SP4	10							

Additional Instructions: * Run for BGDOC per Natalie

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: Javier Chavez

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
	3-31-20	15:29		3.31.2020	1529
	3.31.2020	1650	Raina Lopez	4/1/20	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) 632-0881 Fx (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com

Project Information

Chain of Custody

cancelled per Natalie jt 3.31.2020

Client:	SPUR Energy
Project:	Biscuit Hills SWD #1
Project Manager:	
Address:	
City, State, Zip	
Phone:	
Email:	Natalie

Report Attention

Report due by:	
Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	Natalie

Lab Use Only

Lab WO# P004001 — Job Number 19054-0003

TAT: 1D ✓ | 3D

EPA Program: RCRA | CWA | SDWA

State: NM ✓ | CO | UT | AZ

Analysis and Method

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	Remarks
7:55	3/31	S	1	C2SP5	11	✓	✓	✓	✓	✓	✓	
7:59			1	C2 Composite	12							
8:09			1	C3SP1	13							
8:11			1	C3SP2	14							
8:14			1	C3SP3	15							
8:16			1	C3SP4	16							
8:22			1	C3SP5	17							
8:27			1	C3 Composite	18							
8:30			1	CSW1	19							
8:34			1	CSW2	20							

Additional Instructions: *BGDOC

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: Javier Chavez

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
	3-31-20	16:34		3.31.2020	1534
	3.31.2020	1650	Raia Lopez	4/1/20	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
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envirotech-inc.com
labadmin@envirotech-inc.com

Project Information

Chain of Custody

Client:	SPUR Energy
Project:	
Project Manager:	
Address:	
City, State, Zip	
Phone:	
Email:	NATALIE

Report Attention

Report due by:	
Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	Natalie

Lab Use Only

Lab WO# P004001

Job Number 19054-0003

TAT: 1D ✓ 3D

EPA Program: RCRA | CWA | SDWA

State: NM ✓ | CO | UT | AZ

Analysis and Method

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	Remarks
8:38	3/31	S	1	CSW3	21	✓	✓	✓	✓	✓	✓	
8:41	3/31	1	1	CSW4	22	✓	✓	✓	✓	✓	✓	

cancelled per Natalie 3.31.20 JL

Additional Instructions:
*BGDOC

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: Javier Chavez

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
Javier Chavez	3-31-20	15:36		3-31-2020	1534
	3.31.2020	1650	Rain Lopez	4/1/20	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.

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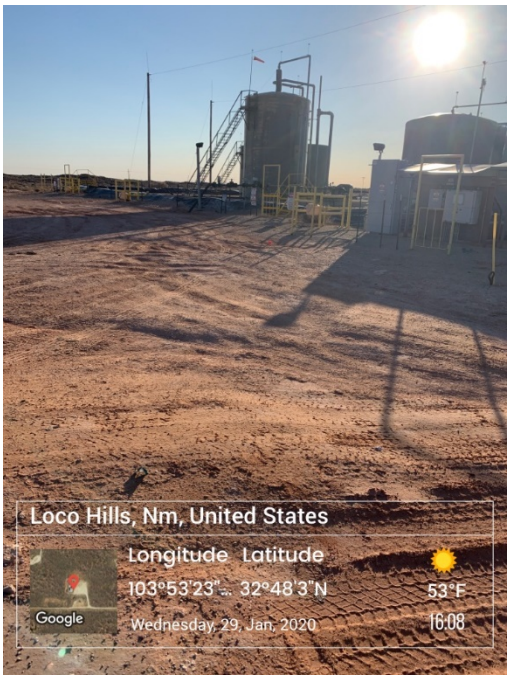
labadmin@envirotech-inc.com

BISCUIT HILLS SWD #1
BEGINNING PHOTOS




Loco Hills, Nm, United States
Longitude Latitude
103°53'23" 32°48'1"N
Tuesday, 31, Mar, 2020
71°F
13:49


Loco Hills, Nm, United States
Longitude Latitude
103°53'23" 32°48'2"N
Tuesday, 31, Mar, 2020
71°F
14:29


Loco Hills, Nm, United States
Longitude Latitude
103°53'21"W 32°48'2"N
Tuesday, 31, Mar, 2020
71°F
14:28


Loco Hills, Nm, United States
Longitude Latitude
103°53'21"W 32°48'2"N
Tuesday, 31, Mar, 2020
71°F
14:28

Form C-141
Page 3

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?	>100 (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: 5/27/21

email: natalie@energystaffingllc.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 and Regulatory

Signature: Natalie Gladden Date: 5/27/21

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

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

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: 5/27/21

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

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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: 5/27/21

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

OCD Only

Received by: Chad Hensley Date: 07/06/2021

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: 07/06/2021

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

Operator:	OGRID:
Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	328947
	Action Number: 29747
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	7/6/2021