HARPER STATE #005 BATTERY
CLOSURE/DEFERRAL REQUEST

API NO. 30-015-30831
CLOSEST WELL TO FACILITY IS HARPER STATE #001
U/L – P, SECTION 16, TOWNSHIP 17S, RANGE 30E
EDDY COUNTY, NEW MEXICO
RELEASE DATE: 11/25/2020
INCIDENT NO. NRM2034254162

April 14, 2021

PREPARED BY:

7 COMPRESS ROAD
ARTESIA, NM 88210

April 14, 2021

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

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

Subject: Closure/Deferral Request for Spur Energy – Harper State #005 Battery

API No. 30-015-30831 (Closest Well to Facility – Harper State #001)
Incident ID: NRM2034254162
U/L P, Section 16, Township 17S, Range 30E
Eddy County, New Mexico

To Whom it May Concern:

Spur Energy Partners retained Energy Staffing Services, LLC (ESS) to conduct a spill assessment for the Harper State #005 Battery (hereafter referred to as the "Harper State") for the produced water release that occurred on November 15, 2020. Spur Energy provided the immediate notification of the release to the New Mexico Oil Conservation Division (NMOCD) District 1 and II office, via email on November 25, 2020 at 12:07 PM (notification attached). On behalf of Spur Energy Partners, ESS submitted the initial C141 Release Notification (attached) on November 26, 2020. The NMOCD Incident ID Number assigned to this release is NRM2034254162.

This report provides a detailed description of the spill assessment and remedial activities, which demonstrates that the closure criteria has been established in the 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 the final report to obtain approval from the NMOCD for the closure/deferral of this release.

Incident Description

On November 25, 2020 at approximately 12PM, a release was found and had occurred due to the filter pot on the water pump had failed. Approximately 17bbls of produced water was released into the unlined containment. A vacuum truck was dispatched out to the Harper State and recovered approximately 15bbls of standing fluid. No fluid was released onto the pad, pasture or waterway.

Site Characterization

The release at the Harper State occurred on state owned land and is located at 32.8285027, -103.9695053, .72 miles northwest of Loco Hills, New Mexico. The legal description for the site is Unit Letter P, Section 16, Township 17S, Range 30E, in Eddy County, New Mexico. A site schematic is included in this report.

The Harper State consists of oil and gas production equipment and is contained in an unlined containment, by a nearby oil and gas exploration well and on a production well-pad. The elevation is 3,683 ft. This area historically, has been dominated by perennial forbs, dropseed, little bluestem, shrubs, bush muhly, cane bluestem and Harvard's oak. (Please see the Rangeland and Vegetation Classification information attached).

The United States Department of Agriculture Natural Resources Conservation Services indicates that the soil type found in the area consists of Berino Complex, with 0 to 3 percent slopes and is eroded. Please also find the Soil Map attached.

There is a "low potential" for Karst Geology to be present near the Harper State according to the *United States Department of the Interior, Bureau of Land Management.* Please find the Karst Map attached herein.

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

The nearest recent water well to the site according to the *New Mexico Office of the State Engineer* is RA 11914 POD1, which is located 1810' from the site and was drilled in 2013, with groundwater of 80'bgs. The next closest well to the site is RA 11590 POD4, located 7693' from the site and was drilled in 2010 with no measured groundwater depth. Please find the groundwater data and map from the NMOSE wells attached herein. An extended groundwater search was conducted using the *OSE POD Location Mapping System* and it has been determined that there is a groundwater well within ½ a mile from the release area from the Harper State refer to RA 11826 with POD1, POD2 and POD3, but no groundwater information was available. RA 11826 is permitted for COG Operating in 2013. Please find documentation attached.

Closure Criteria Determination

The Closure Criteria for Soils Impacted by a Release is shown below, based on groundwater depth of 80'bgs, with no water data located within ½ a mile from the release point, being on state land, and in a low karst area, the site would fall under the 51-100'dgw category. The other wells found on the OSE Website, show to be downgradient and side-gradient of the site but fall outside the ½ mile radius. With the well showing inside the ½ mile of the release point does not show any groundwater recorded depths, the site was classified under the 51-100'dgw category. Please see the chart below:

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

Soil Remediation Action Levels

ESS has provided sufficient data that this produced water release has impacted the soil at the Harper State and that the protocol is consistent with the remediation/abatement goals and objectives set forth in the NMOCD Closure Criteria for Soils Impacted by a Release, dated August 14, 2018.

The guidance document provides direction for Spur Energy's initial response actions, site assessment, sampling procedures conducted by ESS Staff, we would like to present to you the following information concerning the delineation process for the release detailed herein.

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 sample to the lab for analysis following the chain of custody procedures

The following lab analysis method was used for each bottom hole and side wall sample 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 8015D – GRO

- Gasoline Range Organics (C6-C10)

Nonhalogenated Organics by EPA 8015D – DRO/ORO

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

Anions by EPA 300.0/9056A

- Chloride

Release Investigation Data Evaluation

On November 25, 2020 ESS was dispatched out to the Harper State to complete a site assessment. Initial photos were taken of the release which was contained inside an unlined facility. On December 14, 2020 begin the delineation of the site. A total of 18 sample points were placed in the impacted area of the facility. Each sample point was hand augured until with the samples met regulatory levels or refusal was reached. At this time the samples were field tested for chlorides by use of a titration kit in 1' intervals and TPH was tested by use of a PID Meter. Each bottom hole and sidewall sample was jarred and delivered to Envirotech Laboratories for confirmation.

The samples confirmed with laboratory analysis on the delineation sampling procedure were well below the closure criteria for this site. With that being said, the depth of these samples cannot be remediated to said levels due to production equipment, lines and electrical equipment in the area of impact. Laboratory analyses included Method 300/9056A for chlorides, Method 8021B for Volatile Organics (BTEX) and Method 8015D for TPH which included extended GRO, DRO and ORO. Confirmatory sample analytical data is summarized in the below chart as well as attached to this report and are found below:

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	SURFACE	>4000							
	1'	>4000							
	2'	>4000							
	3'	>4000							
	4'	>4000							
	5'	>4000							
	6'	3280							
	7'	2720							
	8'	1280							
	9'	3000							
	10'	2860		ND	ND	ND	ND	ND	2880
SP2	SURFACE	>4000							
	1'	>4000							
	2'	>4000							
	3'	>4000							
	4'	>4000							
	5'	>4000							
	6'	>4000							
	7'	>4000							
	8'	>4000							
	9'	1600							
	10'	2800							

	11'	2080							
	12'	2000		ND	ND	ND	ND	ND	2080
SP3	SURFACE	>4000							
	1'	3200							
	2'	560							
	3'	560							
	4'	720							
	5'	480							
	6'	480							
	7'	560							
	8'	480							
	9'	640							
	10'	720							
	11'	700							
	12'	700		ND	ND	ND	ND	ND	687
SP4	SURFACE	>4000							
	1'	>4000							
	2'	>4000							
	3'	>4000							
	4'	>4000							
	5'	2560							
	6'	2160							
	7'	1080							
	8'	800							
	9'	560							
	10'	560		ND	ND	ND	ND	ND	300
SP5	SURFACE	>4000							
	1'	2640							
	2'	960							
	3'	560							
	4'	800							
	5'	560							
	6'	480		ND	ND	ND	ND	ND	55
SP6	SURFACE	>4000							
	1'	>4000							
	2'	>4000							
	3'	1840							
	4'	1440							
	5'	1760							
	6'	1840							
	7'	1760							
	8'	1120							

	9'	800							
	10'	4000							
	11'	1040							
	12'	800		ND	ND	ND	ND	ND	728
SP7	SURFACE	>4000							
	1'	2080							
	2'	640							
	3'	720							
	4'	560							
	5'	560		ND	ND	ND	ND	ND	249
SP8	SURFACE	>4000							
	1'	1760							
	2'	960							
	3'	1760							
	4'	3520							
	5'	4000							
	6'	1840							
	7'	720							
	8'	600							
	9'	600		ND	ND	ND	ND	ND	614
SP9	SURFACE	>4000							
	1'	400							
	2'	30		ND	ND	ND	ND	ND	20.8
SP10	SURFACE	560							
	1'	240							
	2'	240							
	3'	20		ND	ND	ND	ND	ND	27.2
SP11	SURFACE	>4000							
	1'	>4000							
	2'	>4000							
	3'	>4000							
	4'	>4000							
	5'	>4000							
	6'	>4000							
	7'	800							
	8'	1040							
	9'	480							
	10'	480		ND	ND	ND	ND	ND	167
SP12	SURFACE	>4000							
	1'	>4000							

	2'	>4000							
	3'	1360							
	4'	400							
	5'	60		ND	ND	ND	ND	ND	52.2
SP13	SURFACE	2240							
	1'	640							
	2'	400							
	3	ND		ND	ND	ND	ND	ND	ND
SP14	SURFACE	>4000							
	1'	960							
	2'	1120							
	3'	1600							
	4'	960							
	5'	720							
	6'	480							
	7'	480		ND	ND	ND	ND	ND	395
SP15	SURFACE	800							
	1'	240							
	2'	40		ND	ND	ND	ND	ND	28.8
SP16	SURFACE	3200							
	1'	400							
	2'	180		ND	ND	ND	ND	ND	158
SP17	SURFACE	800							
	1'	400							
	2'	30		ND	ND	ND	ND	ND	20.3
SP18	SURFACE	>4000							
	1'	960							
	2'	880							
	3'	880							
	4'	1200							
	5'	1120							
	6'	2000							
	7'	1280							
	8'	1760							
	9'	1120							
	10'	2320							
	11'	960							
	12'	2000		ND	ND	ND	ND	ND	1780

A Geo 700 Series Trimble, a global positioning system (GPS) was used to map the approximate center of each sample point that was obtained. Please refer to the Sample Map with GPS, that is attached herein.

Due to the infrastructure in and around the release area, 6"' to 1'bgs was excavated inside the unlined facility area by use of hand shovel. 24 cubic yards of material was hauled to Lea Landfill for disposal. 24 cubic yards of clean imported soil from Lea Landfill was hauled into the site and was used as backfill material and was stockpiled on location.

At this time composite samples were taken inside the 1,594 sq. ft., a total of 8 composite samples were obtained and field tested. These eight composite samples were sent in for final confirmation analysis. Each composite sample had elevated analysis for DRO/ORO and chlorides. The delineation sidewall samples were used in this case due to the excavation to the sidewall sample point destinations. Due to the infrastructure further excavation could not be completed at this time. Further excavation would cause the production equipment and lines to be compromised. Please find the sample data below for the confirmation samples. The sample data, lab analysis and composite sample map is attached.

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
COMP1	1'BGS	>4000		ND	ND	503	680	1183	35200
COMP2	1'BGS	>4000		ND	ND	5240	3000	8240	33300
COMP3	1'BGS	>4000		ND	ND	5990	3880	9870	20200
COMP4	1'BGS	>4000		ND	ND	1760	1350	3110	13800
COMP5	1'BGS	3600		ND	ND	2320	2080	4400	29700
COMP6	1'BGS	>4000		ND	ND	9070	6660	15730	32800
COMP7	1'BGS	>4000		ND	ND	3800	2660	6460	17100
COMP8	1'BGS	>4000		ND	ND	983	925	1908	18100

Closure/Deferral Request

ESS recommends that this site be deferred until the production equipment has been removed to safely remediate this site. ESS requests that this incident (NRM2034254162) be closed with a deferral for this release that occurred inside an unlined production facility. Spur Energy Partners and Energy Staffing Services certifies that all of the information provided and that is detailed in this report, is correct and we have complied with all applicable closure requirements for the release that occurred on the Harper State #005 Battery.

After review of this report if you have any questions or concerns, please do not hesitate to contact the undersigned at 575-390-6397 or natalie@energystaffingllc.com.

Sincerely,

Natalie Gladden

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

Attachments:

- Initial Email Notification
- Initial C141 Form
- Site Map
- Rangeland and Vegetation Classification
- Soil Map and Soil Data
- Karst Map
- Groundwater Data and Groundwater Map
- OSE GW Map
- Initial Site Photos
- Delineation and Composite Sample Data and Sample GPS Map
- Delineation Photos
- Composite Sample Map
- Lab Analysis
- Final Site Photos
- Final C141 Form

natalie@energystaffingllc.com

From: Kenny Kidd <kkidd@spurepllc.com>
Sent: Wednesday, November 25, 2020 11:07 AM
To: Venegas, Victoria, EMNRD; Hamlet, Robert, EMNRD; Bratcher, Mike, EMNRD
Cc: Todd Mucha; Seth Ireland; Jerry Mathews; Braidy Moulder; Sarah Chapman; Susan Lopez; natalie@energystaffingllc.com
Subject: RE: HARPER STATE #005 filter pot leak

Correction

The location of this spill is the HARPER STATE #005 Tank Battery.

The closest well to this battery is the Harper State #001 (not the Harper State #005.)

HARPER STATE #001

Sec. P-16-17S-30E 430 FSL 330 FEL

Lat/Long: 32.8285027,-103.9695053 NAD83

API 30-015-30831

Thanks,

Kenny Kidd
Assistant Production Superintendent
Office 575-616-5400
Cell 575-703-5851
kkidd@spurepllc.com

SPUR ENERGY PARTNERS

From: Kenny Kidd
Sent: Wednesday, November 25, 2020 9:48 AM
To: Venegas, Victoria, EMNRD <Victoria.Venegas@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Todd Mucha <Todd@spurepllc.com>; Seth Ireland <Seth@spurepllc.com>; Jerry Mathews <jmathews@spurepllc.com>; Braidy Moulder <bmoulder@spurepllc.com>; Sarah Chapman

<schapman@spurepllc.com>; Susan Lopez <slopez@spurepllc.com>; natalie@energystaffingllc.com
Subject: HARPER STATE #005 filter pot leak

HARPER STATE #005 Battery

November 24, 2020, at around 4:30 P.M.
We had a leak on the filter pot going to our water pump.

Releasing 17-bbls water inside the Battery dike. (Un-Lined Containment)

15-bbls- recovered.

We will have ESS Environmental Company coming out to evaluate this. And the C-141 and filing any paper work on this spill.

If you have any question please give me a call.

HARPER STATE #005

Sec. K-16-17S-30E 2260 FSL 2310 FWL

Lat/Long: 32.8335495,-103.9780884 NAD83

API 30-015-34571

Thanks,
Kenny Kidd
Assistant Production Superintendent
Office 575-616-5400
Cell 575-390-9254

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	NRM2034254162
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party **SPUR ENERGY PARTNERS**	OGRID **328947**
Contact Name **BRAIDY MOULDER**	Contact Telephone **713-264-2517**
Contact email **BMOULDER@SPUREPLLC.COM**	Incident # *(assigned by OCD)*
Contact mailing address **919 MILAM STREET SUITE 2475 HOUSTON, TEXAS 77002**	

Location of Release Source

Latitude **32.8285027** Longitude **-103.9695053**
(NAD 83 in decimal degrees to 5 decimal places)

Site Name **HARPER STATE #005 BATTERY**	Site Type **PRODUCTION FACILITY**
Date Release Discovered **11/25/2020**	API# *(if applicable)* ***30-015-30831 (CLOSEST WELL TO FACILITY, HARPER STATE #001)***

Unit Letter	Section	Township	Range	County
P	**16**	**17S**	**30E**	**LEA**

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) **17BBLS**	Volume Recovered (bbls) **15BBLS**
	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

THE LEAK WAS FOUND ON THE FILTER POT GOING TO THE WATER PUMP. THE FLUID WAS RELEASED INTO AN UNLINED FACILITY. A VACUUM TRUCK WAS IMMEDIATELY DISPATCHED TO RECOVER THE STANDING FLUID.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NRM2034254162
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)?
EMAIL WAS SENT TO THE NMOCD AT 11:07 AM ON NOVEMBER 25, 2020.

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: **NATALIE GLADDEN** Title: **DIRECTOR OF ENVIRONMENTAL AND REGULATORY**

Signature: Natalie Gladden Date: 11/26/2020

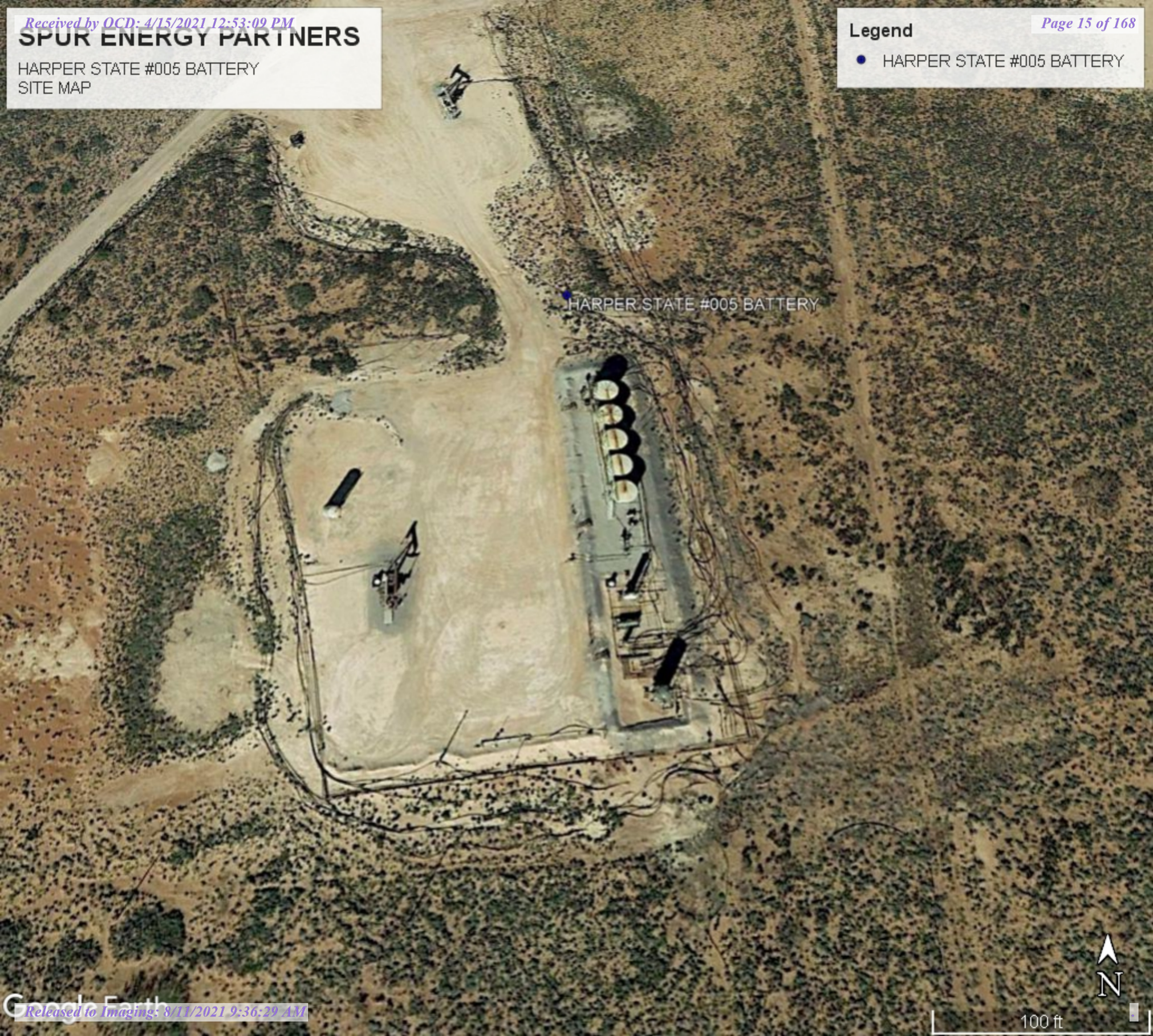
email: **NATALIE@ENERGYSTAFFINGLLC.COM** Telephone: **575-390-6397**

OCD Only

Received by: Ramona Marcus Date: 12/7/2020

SPUR ENERGY PARTNERS

HARPER STATE #005 BATTERY
SITE MAP



Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition

In areas that have similar climate and topography, differences in the kind and amount of rangeland or forest understory vegetation are closely related to the kind of soil. Effective management is based on the relationship between the soils and vegetation and water.

This table shows, for each soil that supports vegetation, the ecological site, plant association, or habitat type; the total annual production of vegetation in favorable, normal, and unfavorable years; the characteristic vegetation; and the average percentage of each species. An explanation of the column headings in the table follows.

An *ecological site, plant association, or habitat type* is the product of all the environmental factors responsible for its development. It has characteristic soils that have developed over time throughout the soil development process; a characteristic hydrology, particularly infiltration and runoff that has developed over time; and a characteristic plant community (kind and amount of vegetation). The hydrology of the site is influenced by development of the soil and plant community. The vegetation, soils, and hydrology are all interrelated. Each is influenced by the others and influences the development of the others. The plant community on an ecological site, plant association, or habitat type is typified by an association of species that differs from that of other ecological sites, plant associations, or habitat types in the kind and/or proportion of species or in total production. Descriptions of ecological sites are provided in the Field Office Technical Guide, which is available in local offices of the Natural Resources Conservation Service (NRCS). Descriptions of plant associations or habitat types are available from local U.S. Forest Service offices.

Total dry-weight production is the amount of vegetation that can be expected to grow annually in a well managed area that is supporting the potential natural plant community. It includes all vegetation, whether or not it is palatable to grazing animals. It includes the current year's growth of leaves, twigs, and fruits of woody plants. It does not include the increase in stem diameter of trees and shrubs. It is expressed in pounds per acre of air-dry vegetation for favorable, normal, and unfavorable years. In a favorable year, the amount and distribution of precipitation and the temperatures make growing conditions substantially better than average. In a normal year, growing conditions are about average. In an unfavorable year, growing conditions are well below average, generally because of low available soil moisture. Yields are adjusted to a common percent of air-dry moisture content.

Characteristic vegetation (the grasses, forbs, shrubs, and understory trees that make up most of the potential natural plant community on each soil) is listed by common name. Under *rangeland composition and forest understory*, the expected percentage of the total annual production is given for each species making up the characteristic vegetation. The percentages are by dry weight for rangeland. Percentages for forest understory are by either dry weight or canopy cover. The amount that can be used as forage depends on the kinds of grazing animals and on the grazing season.

Range management requires knowledge of the kinds of soil and of the potential natural plant community. It also requires an evaluation of the present range similarity index and rangeland trend. Range similarity index is determined by comparing the present plant community with the potential natural plant community on a particular rangeland ecological site. The more closely the existing community resembles the potential community, the higher the range similarity index. Rangeland trend is defined as the direction of change in an existing plant community relative to the potential natural plant community. Further information about the range similarity index and rangeland trend is available in the "National Range and Pasture Handbook," which is available in local offices of NRCS or on the Internet.

The objective in range management is to control grazing so that the plants growing on a site are about the same in kind and amount as the potential natural plant community for that site. Such management generally results in the optimum production of vegetation, control of undesirable brush species, conservation of water, and control of erosion. Sometimes, however, an area with a range similarity index somewhat below the potential meets grazing needs, provides wildlife habitat, and protects soil and water resources.

Reference:

United States Department of Agriculture, Natural Resources Conservation Service, National range and pasture handbook.

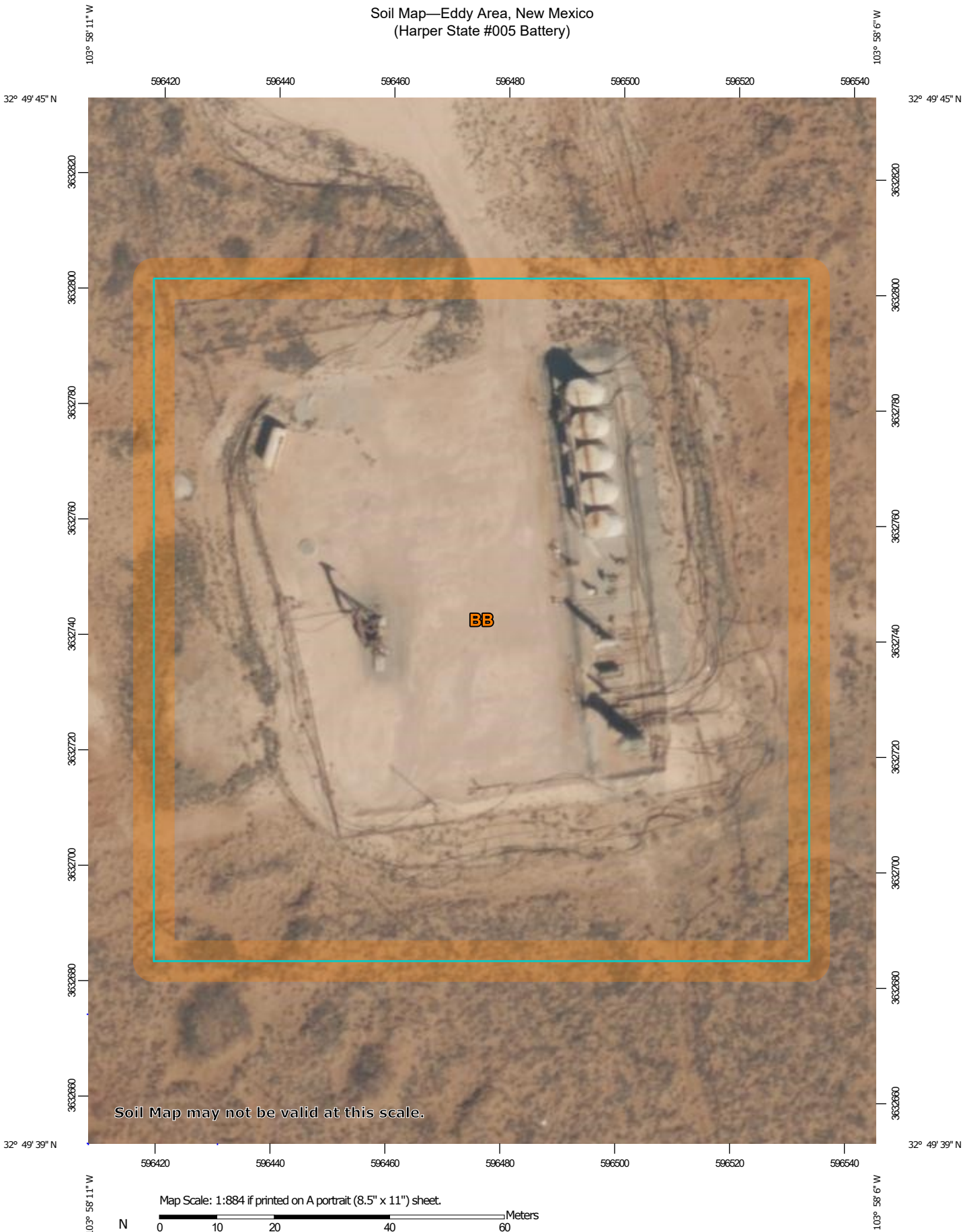
Report—Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition–Eddy Area, New Mexico								
Map unit symbol and soil name	Ecological Site, Plant Association, or Habitat Type	Total dry-weight production			Characteristic rangeland or forest understory vegetation	Composition		
		Favorable year	Normal year	Unfavorable year			Rangeland	Forest understory
		Lb/ac	*Lb/ac*	*Lb/ac*		*Pct dry wt*	*Pct dry wt*	
BB—Berino complex, 0 to 3 percent slopes, eroded								
Berino	Loamy Sand (R042XC003NM)	1,800	—	650	other perennial grasses	25		
					black grama	15		
					other perennial forbs	15		
					dropseed	10		
					little bluestem	10		
					other shrubs	10		
					bush muhly	5		
					cane bluestem	5		
					Havard's oak	5		
Pajarito	Loamy Sand (R042XC003NM)	1,800	—	650	black grama	15		
					other perennial forbs	15		
					dropseed	10		
					little bluestem	10		
					other perennial grasses	10		
					rabo de ardilla	10		
					bush muhly	5		
					cane bluestem	5		
					fall witchgrass	5		
					Havard's oak	5		
					other shrubs	5		
					sand sagebrush	5		

Data Source Information

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

Soil Map—Eddy Area, New Mexico
(Harper State #005 Battery)



Map Scale: 1:884 if printed on A portrait (8.5" x 11") 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
(Harper State #005 Battery)

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

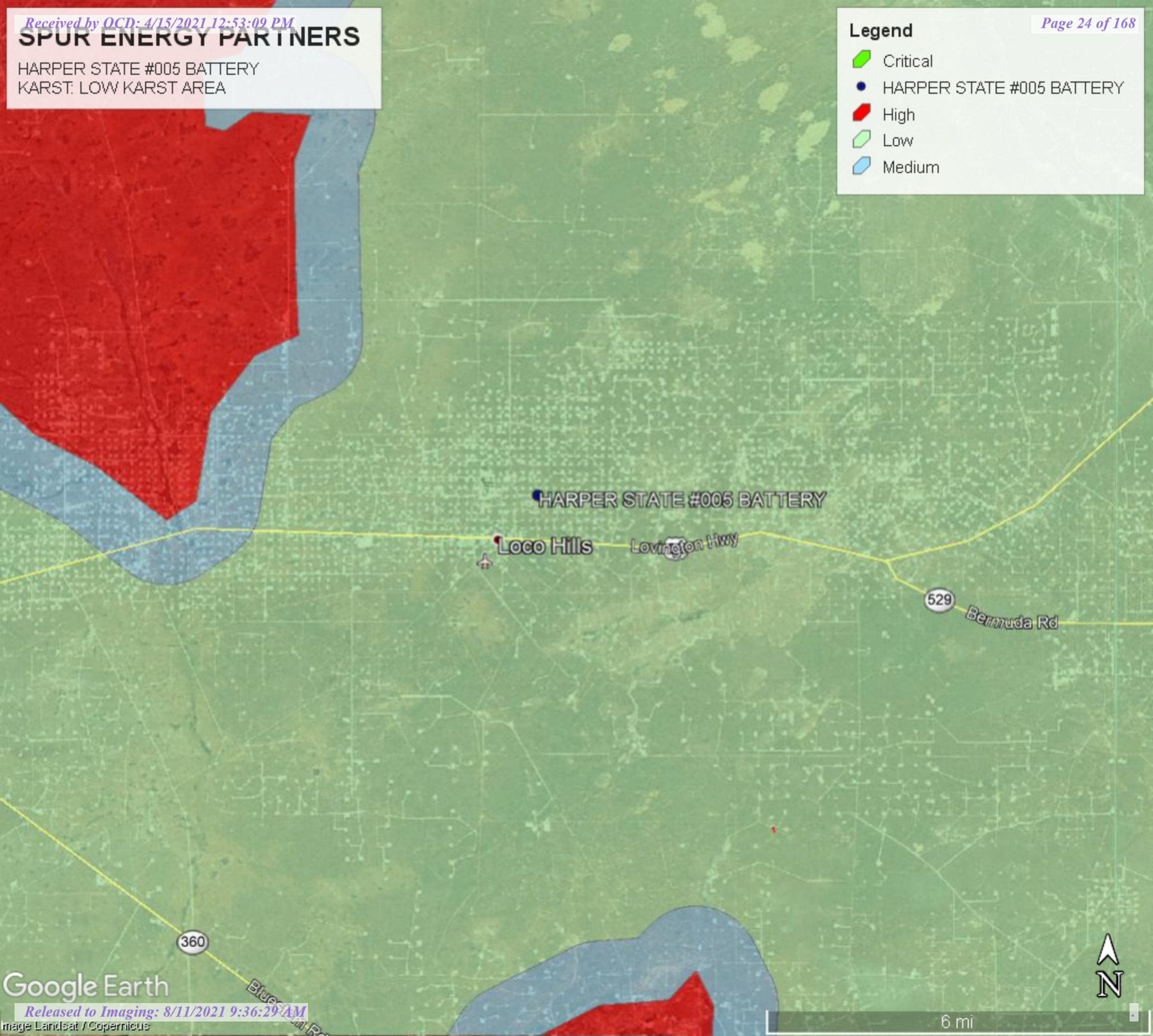
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BB	Berino complex, 0 to 3 percent slopes, eroded	3.3	100.0%
Totals for Area of Interest		**3.3**	**100.0%**

SPUR ENERGY PARTNERS

HARPER STATE #005 BATTERY
KARST: LOW KARST AREA

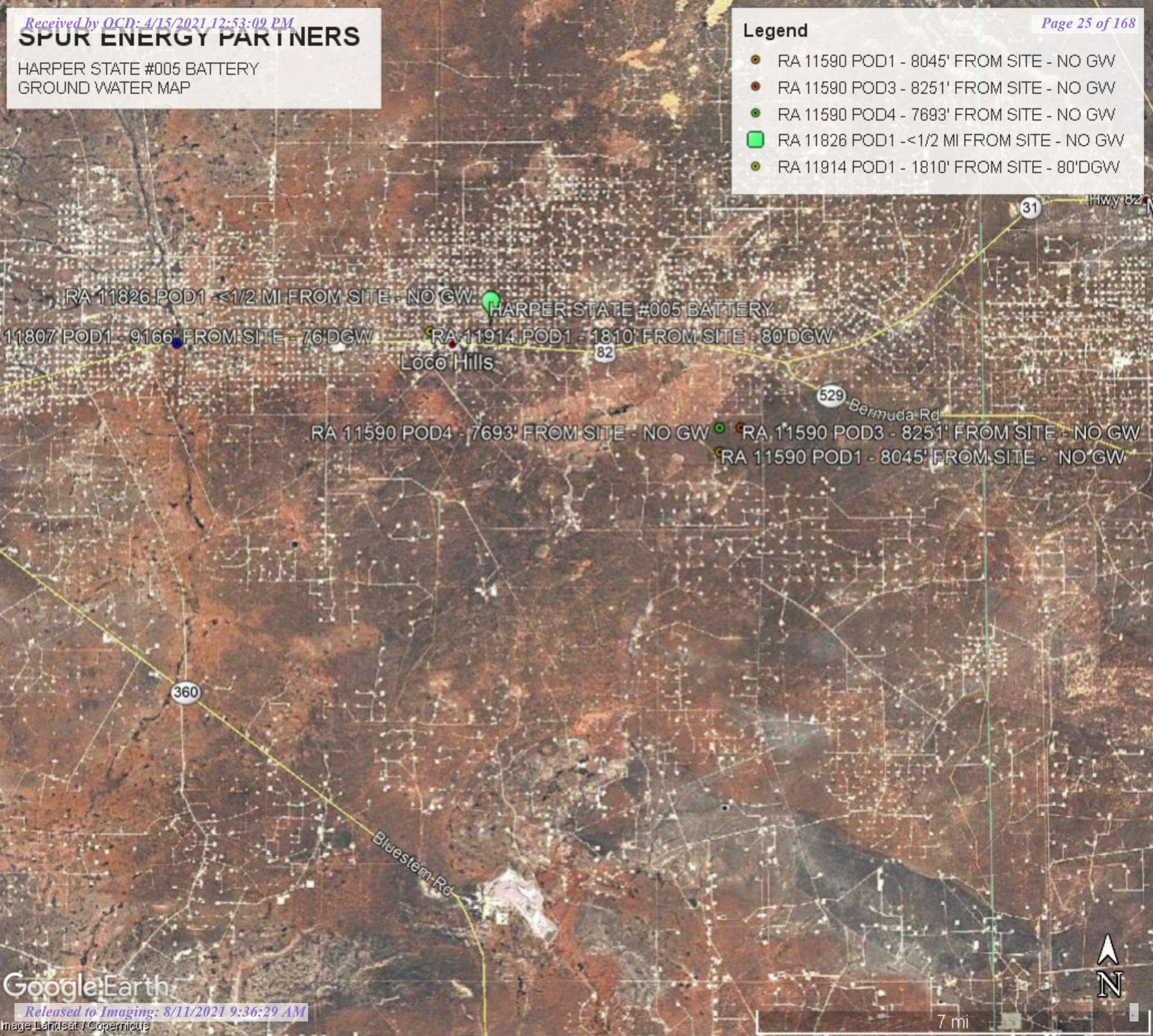
Legend

- Critical
- HARPER STATE #005 BATTERY
- High
- Low
- Medium



SPUR ENERGY PARTNERS

HARPER STATE #005 BATTERY
GROUND WATER MAP



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 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:**	

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	Twn	Rng	X	Y
	RA 11807 POD1	1	2	3	22	17S	29E	587360	3631585

Driller License: 1348 **Driller Company:** TAYLOR WATER WELL SERVICE

Driller Name: TAYLOR, CLINTON E.

Drill Start Date: 11/23/2012 **Drill Finish Date:** 11/26/2012 **Plug Date:**

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

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

Casing Size: 4.50 **Depth Well:** 131 feet **Depth Water:** 76 feet

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

Casing Perforations:	Top	Bottom
	91	131

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 11914 POD1	2	4	2	20	17S	30E	594801	3632002

Driller License:	1682	**Driller Company:**	HUNGRY HORSE, LLC.		
Driller Name:	JOHN NORRIS				
Drill Start Date:	03/19/2013	**Drill Finish Date:**	03/19/2013	**Plug Date:**	
Log File Date:	04/09/2013	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	85 feet	**Depth Water:**	80 feet

Water Bearing Stratifications:	Top	Bottom	Description
	11	85	Sandstone/Gravel/Conglomerate

Publicly Generated Map

11/25/2020, 9:26:19 PM

GIS WATERS PODs

- Active
- Pending
- OSE District Boundary
- SiteBoundaries

1:18,056

0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

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

OSE POD Locations

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: RA 11826 **Subbasin:** RA **Cross Reference:** -

Primary Purpose: MON MONITORING WELL

Primary Status: PMT PERMIT

Total Acres: 0 **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Agent: ATKINS ENGINEERING ASSOCIATES, INC

Contact: CHRIS CORTEZ

Owner: COG OPERATING COMPANY C/O CURA EMERGENCY SERVICES

Contact: RICK RAILSBACK

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	504673	ADM	2012-05-25	PMT	APR	PLUGGING PLAN	T	0	0	
get images	504343	EXPL	2012-05-21	PMT	APR	MONITORING WELLS	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
RA 11826 POD1			2	4	2	21	17S	30E	596555	3632185	
RA 11826 POD2			2	4	2	21	17S	30E	596555	3632185	
RA 11826 POD3			2	4	2	21	17S	30E	596555	3632185	

Priority Summary

Priority	Status	Acres	Diversion	Pod Number
05/16/2012	PMT		0	RA 11826 POD1
				RA 11826 POD2
				RA 11826 POD3

File No.

NEW MEXICO OFFICE OF THE STATE ENGINEER

APPLICATION FOR PERMIT TO DRILL A WELL WITH NO CONSUMPTIVE USE OF WATER

(check applicable box):

For fees, see State Engineer website: http://www.ose.state.nm.us/ 2-3/4/66 5^{00}

☐ Exploratory	☐ De-Watering	☐ Geo-Thermal
■ Monitoring	■ Pollution Control And / Or Recovery	
☐ Temporary Request - Requested Start Date:	Requested End Date:	

1. APPLICANT(S)

Name: Atkins Engineering Associates, Inc.	Name: COG Operating Company C/O CURA Emergency Services
Contact or Agent: Chris Cortez check here if Agent ■	Contact or Agent: Rick Railsback check here if Agent ■
Mailing Address: 2904 W 2nd St.	Mailing Address: 6205 Chapel Hill Boulevard Suite 100
City: Roswell	City: Plano
State: NM Zip Code: 88201	State: TX Zip Code: 75093
Phone: ☐ Home ☐ Cell Phone (Work): (575) 624-2420	Phone: ☐ Home ☐ Cell Phone (Work): (972) 378-7340
E-mail: chris@atkinseng.com	E-mail: rick@curaes.com

STATE ENGINEER OFFICE ROSWELL, NEW MEXICO 2012 MAY 16 P 3:31

FOR OSE INTERNAL USE Application for Permit, Form wr-07, Rev 1/20/11

File Number: RA-11826	Trn Number: 504343
Trans Description (optional): MONITORING WELLS	
Sub-Basin:	
~~PGW~~/LOG Due Date: 5/31/2013	~~PBU Due Date:~~

Describe the well applicable to this application.

2. PROPOSED WELL
NOTE: If more than one (1) well, complete Attachment 1

OSE Well No. (if existing):	n/a					
Location (Required): Coordinate location must be New Mexico State Plane (NAD 83), UTM (NAD 83), **or** Lat/Long (WGS84)						
NM State Plane (NAD83) - In feet	NM West Zone ☐ NM Central Zone ☐ NM East Zone ☐			X (in feet): Y (in feet):		
UTM (NAD83) - In meters	UTM Zone 13N ☐ UTM Zone 12N ☐			Easting (in meters): Northing (in meters):		
Lat/Long (WGS84) - To 1/10th of second	Latitude:	32	deg	49	min	24.4 sec
	Longitude:	-103	deg	58	min	06.5 sec
Land Grant (if applicable): n/a						
Well is on Land Owned by (required): BLM						
Other Location Information (complete the below, if applicable):						
PLSS Quarters or Halves: E/2	Section: 21	Township: 17S	Range: 30E	County: Eddy		
Lot No:	Block No:	Unit/Tract:	Subdivision:			
Hydrographic Survey:	Map:	Tract:				
Other description relating well to common landmarks, streets, or other:						
Well Information:						
Approximate depth of well (feet): n/d	Outside Diameter of Well Casing (inches): varies					
Driller Name: Atkins Engineering Associates, Inc.	Driller License Number: 1249					
Additional well descriptions are attached: ☐ **Yes** ☒ **No**	If yes, how many_____					

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

General Site Application
Current workplan calls for 3 borings to 6 feet for background levels.
Additional borings may be scheduled and will be added to the OSE issued permit.

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
2012 MAY 16 P 3:31

FOR OSE INTERNAL USE — Application for Permit, Form wr-07

File Number: RA-11826	Trn Number: 504343

SPECIFIC REQUIREMENTS

The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

Exploratory:	Monitoring:	Pollution Control And / Or Recovery:	De-Watering:	Geo-Thermal:
☐ include a description of any proposed pump test, if applicable.	■ include the reason for the monitoring well, and, ☐ the duration of the planned monitoring.	☐ include a plan for pollution control/recovery, that includes the following: ☐ a description of the need for the pollution control or recovery operation. ☐ the estimated maximum period of time for completion of the operation. ☐ the annual diversion amount. ☐ the annual consumptive use amount. ☐ the maximum amount of water to be diverted and injected for the duration of the operation. ☐ the method and place of discharge. ☐ the method of measurement of water produced and discharged. ☐ the source of water to be injected. ☐ the method of measurement of water injected. ☐ the characteristics of the aquifer. ☐ the method of determining the resulting annual consumptive use of water and depletion from any related stream system. ☐ proof of any permit required from the New Mexico Environment Department. ☐ an access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.	☐ include a description of the proposed dewatering operation, ☐ the estimated duration of the operation, ☐ the maximum amount of water to be diverted, ☐ a description of the need for the dewatering operation, and, ☐ a description of how the diverted water will be disposed of.	☐ include a description of the geothermal heat exchange project, ☐ the amount of water to be diverted and re-injected for the project, ☐ the time frame for constructing the geothermal heat exchange project, and, ☐ the duration of the project. ☐ preliminary surveys, design data; and additional information shall be included to provide all essential facts relating to the request.

ACKNOWLEDGEMENT

I, We (name of applicant(s)), Chris Cortez Rick Raitsback, Cura
Print Name(s)

affirm that the forgoing statements are true to the best of (my, our) knowledge and belief.

Applicant Signature Applicant Signature

ACTION OF THE STATE ENGINEER

This application is (check one):

☒ approved ☐ partially approved ☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval (*please see attachment*).

Witness my hand and seal this 21 day of May 20 12, for the State Engineer,

By: MSpivey Melinda Spivey
Signature Print

Title: Water Resource Technician
Print

2012 MAY 16 P 3:31
STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

FOR OSE INTERNAL USE Application for Permit, Form wr-07

File Number: RA-11826	Trn Number: 504343

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL

1A Depth of the well shall not exceed the thickness of the valley fill.

4 No water shall be appropriated and beneficially used under this permit.

B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated.

C Driller's well record must be filed with the State Engineer within 20 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.

C2 No water shall be diverted from this well except for testing purposes which shall not exceed twenty (20) cumulative days, and well shall be plugged or capped on or before , unless a permit to use water from this well is acquired from the Office of the State Engineer.

LOG The Point of Diversion RA 11826 POD1 must be completed and the Well Log filed on or before 05/31/2013.

LOG The Point of Diversion RA 11826 POD2 must be completed and the Well Log filed on or before 05/31/2013.

LOG The Point of Diversion RA 11826 POD3 must be completed and the Well Log filed on or before 05/31/2013.

Trn Desc: MONITORING WELLS File Number: RA 11826
Trn Number: 504343

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

ACTION OF STATE ENGINEER

Notice of Intention Rcvd:	Date Rcvd. Corrected:
Formal Application Rcvd: 05/16/2012	Pub. of Notice Ordered:
Date Returned - Correction:	Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 21 day of May A.D., 2012

Scott A. Verhines, P.E., State Engineer

By: Melinda Spivey

Trn Desc: MONITORING WELLS File Number: RA 11826
Trn Number: 504343

page: 2

Locator Tool Report

General Information:

Application ID:30 Date: 05-16-2012 Time: 16:42:15

WR File Number: RA
Purpose: POINT OF DIVERSION

Applicant First Name: ATKINS ENG.
Applicant Last Name: COG OPERATING

GW Basin: ROSWELL ARTESIAN
County: EDDY

Critical Management Area Name(s): NONE
Special Condition Area Name(s): NONE
Land Grant Name: NON GRANT

PLSS Description (New Mexico Principal Meridian):

NE 1/4 of NE 1/4 of SE 1/4 of NE 1/4 of Section 21, Township 17S, Range 30E.

Coordinate System Details:

Geographic Coordinates:

Latitude:	32 Degrees	49 Minutes	24.4 Seconds	N
Longitude:	103 Degrees	58 Minutes	6.5 Seconds	W

Universal Transverse Mercator Zone: 13N

NAD 1983(92) (Meters)	N: 3,632,185	E: 596,555
NAD 1983(92) (Survey Feet)	N: 11,916,595	E: 1,957,196
NAD 1927 (Meters)	N: 3,631,982	E: 596,604
NAD 1927 (Survey Feet)	N: 11,915,929	E: 1,957,360

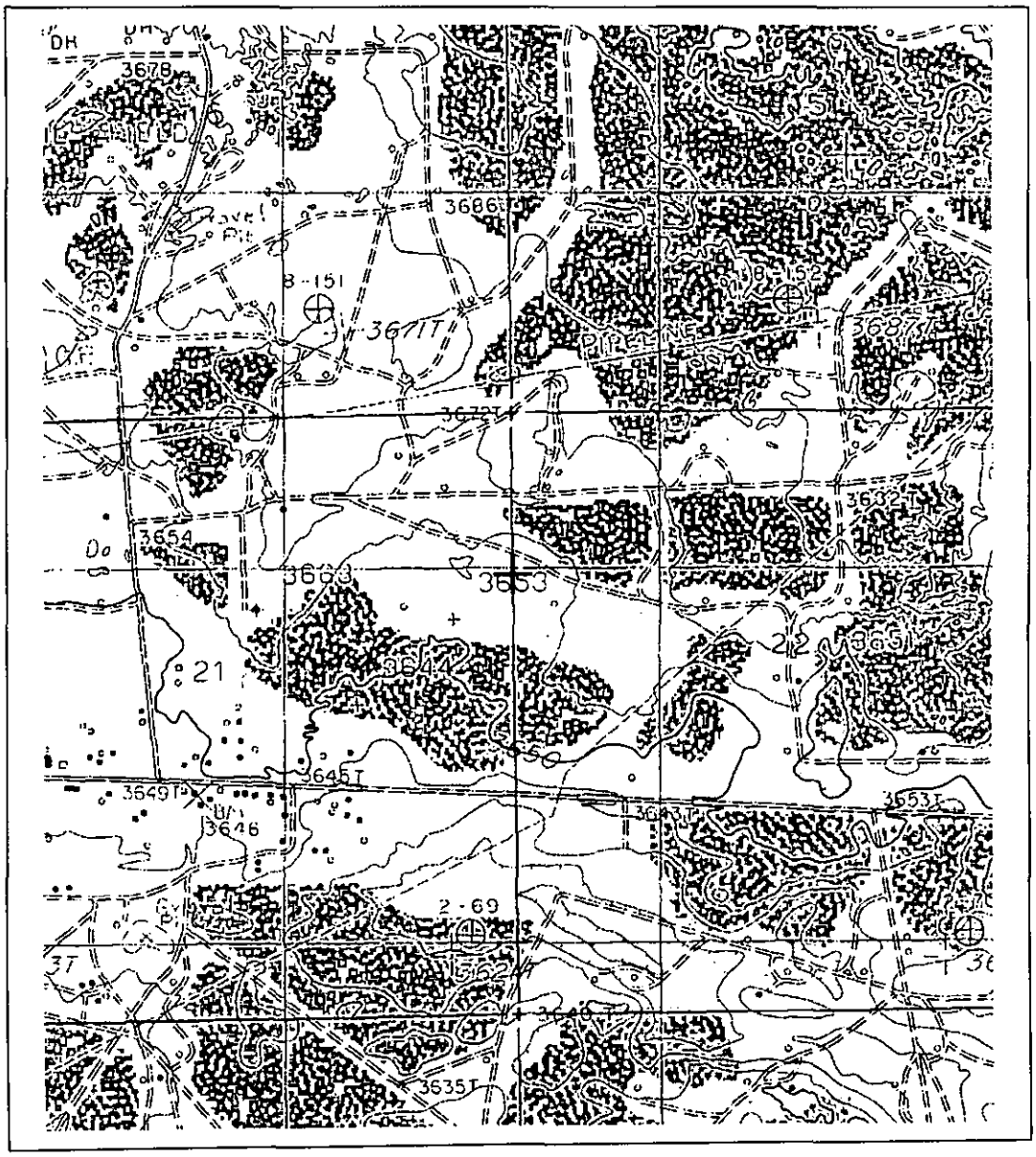
State Plane Coordinate System Zone: New Mexico East

NAD 1983(92) (Meters)	N: 202,234	E: 199,162
NAD 1983(92) (Survey Feet)	N: 663,495	E: 653,418
NAD 1927 (Meters)	N: 202,214	E: 186,611
NAD 1927 (Survey Feet)	N: 663,432	E: 612,239

RA-11826 POD1 - POD3
504343

NEW MEXICO OFFICE OF STATE ENGINEER

Locator Tool Report



WR File Number: RA Scale: 1:19,265

Northing/Easting: UTM83(92) (Meter): N: 3,632,185 E: 596,555

Northing/Easting: SPCS83(92) (Feet): N: 663,495 E: 653,418

GW Basin: Roswell Artesian

Print Date: 05/16/2012

RA-11826 POD1-POD3
504343

Scott A. Verhines, P.E.
State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 504343
File Nbr: RA 11826

May. 21, 2012

CHRIS CORTEZ
ATKINS ENGINEERING ASSOCIATES, INC
2904 WEST SECOND STREET
ROSWELL, NM 88201

Greetings:

Enclosed is your copy of the above numbered permit that has been approved subject to the conditions set forth on the approval page. In accordance with the conditions of approval, the well can only be tested for 10 cumulative days, and the well is to be plugged on or before 05/31/2013, unless a permit to use the water is acquired from this office.

A Well Record & Log (OSE Form wr-20) shall be filed in this office within twenty (20) days after completion of drilling, but no later than 05/31/2013.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us or will be mailed upon request.

Sincerely,

Melinda Spivey
(575)622-6521

Enclosure

explore

WELL PLUGGING PLAN OF OPERATIONS

NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging.

I. FILING FEE: There is no filing fee for this form.

II. GENERAL / WELL OWNERSHIP:

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: ~~n/a~~ RA-11826

Name of well owner: COG Operating c/o CURA Emergency Service via Atkins Engineering Associates, Inc.

Mailing address: 6205 Chapel Hill Boulevard Suite 100

City: Plano State: TX Zip code: 75093

Phone number: (972) 378-7340 E-mail: rick@curaes.com

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: Atkins Engineering Associates, Inc.

New Mexico Well Driller License No.: 1249 Expiration Date: 4/2013

IV. WELL INFORMATION:

Note: A copy of the existing Well Record for the well to be plugged should be attached to this plan.

1) GPS Well Location: Latitude: 32 deg, 49 min, 24.4 sec
Longitude: -103 deg, 58 min, 06.5 sec, NAD 83

2) Reason(s) for plugging well: borings

3) Was well used for any type of monitoring program? yes If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? unk If yes, provide additional detail, including analytical results and/or laboratory report(s):

2012 MAY 16 P 3:32
ROSWELL, NEW MEXICO
STATE ENGINEER OFFICE

5) Static water level: unknown feet below land surface / feet above land surface (circle one)

6) Depth of the well: n/d feet

TRN 504673

7) Inside diameter of innermost casing: varies inches.

8) Casing material: open borehole or PVC casing

9) The well was constructed with:
X an open-hole production interval, state the open interval: _____
_____ a well screen or perforated pipe, state the screened interval(s): _____

10) What annular interval surrounding the artesian casing of this well is cement-grouted? n/d

11) Was the well built with surface casing? n/d If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? n/d If yes, please describe: _____

12) Has all pumping equipment and associated piping been removed from the well? yes If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

V. DESCRIPTION OF PLANNED WELL PLUGGING:

Note: If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such as geophysical logs, that are necessary to adequately describe the proposal.

1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well: tremie pipe from bottom.

2) Will well head be cut-off below land surface after plugging? yes

VI. PLUGGING AND SEALING MATERIALS:

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant

1) For plugging intervals that employ cement grout, complete and attach Table A.

2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.

3) Theoretical volume of grout required to plug the well to land surface: n/d

4) Type of Cement proposed: Baroid Hole Plug/Baroid Quik Grout

5) Proposed cement grout mix: n/a gallons of water per 94 pound sack of Portland cement.

6) Will the grout be: _____ batch-mixed and delivered to the site
_____ mixed on site

7) Grout additives requested, and percent by dry weight relative to cement: _____

8) Additional notes and calculations: _____

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

COG operating produced water spill site general operation. Current scope calls for three borings to 6 feet bgs. these borings will be filled with Baroid Hole plug from Total Depth to land surface. Future borings that do not reach water will be backfilled to 10 feet bgs (below ground surface) From 10 feet bgs to land surface will be plugged with Baroid Hole Plug. Future borings that reach water will be plugged from bottom to land surface using Baroid Quik Grout If borings reach water and are plugged, plugging records will be submitted. Any wells landed will have WR-20s submitted, and an updated WD-08 will be submitted before plugging

VIII. SIGNATURE:

I, Chris Cortez , say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.

Signature of Applicant 5/16/12 Date

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

X Approved subject to the attached conditions.
_____ Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this 25th day of May, 2012

Scott A. Verhines, P.E.,
~~John R. D'Antonio, Jr.~~, State Engineer

By: Melinda Spurey
Water Resource Technician

2012 MAY 16 P 3:32
STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)			
Bottom of proposed interval of grout placement (ft bgl)			
Theoretical volume of grout required per interval (gallons)			
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement			
Mixed on-site or batch-mixed and delivered?			
Grout additive 1 requested			
Additive 1 percent by dry weight relative to cement			
Grout additive 2 requested			
Additive 2 percent by dry weight relative to cement			

2012 MAY 16 P 3:32

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)	0		
Bottom of proposed sealant of grout placement (ft bgl)	6		
Theoretical volume of sealant required per interval (gallons)	10.74 gallons		
Proposed abandonment sealant (manufacturer and trade name)	Baroid Hole Plug		

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
District 2 Office, Roswell, NM

Scott A. Verhines, P.E.
State Engineer

1900 West Second Street
Roswell, New Mexico 88201
(575) 622-6521
FAX: (575) 623-8559

May 25, 2012

Atkins Engineering Associates, Inc.
PO Box 3156
Roswell, NM 88202

ATTN: Chris Cortez
RE: Well Plugging Plan of Operations for RA-11826
COG Operating c/o CURA Emergency Service

Greetings:

Enclosed is your copy of the Well Plugging Plan of Operations for the above referenced wells. The proposed method of plugging for the subject well is found to be acceptable and in accordance with the Rules and Regulations Governing Well Driller Licensing; Construction, Repair and Plugging of Wells 19.27.4 NMAC adopted August 31, 2005 by the State Engineer.

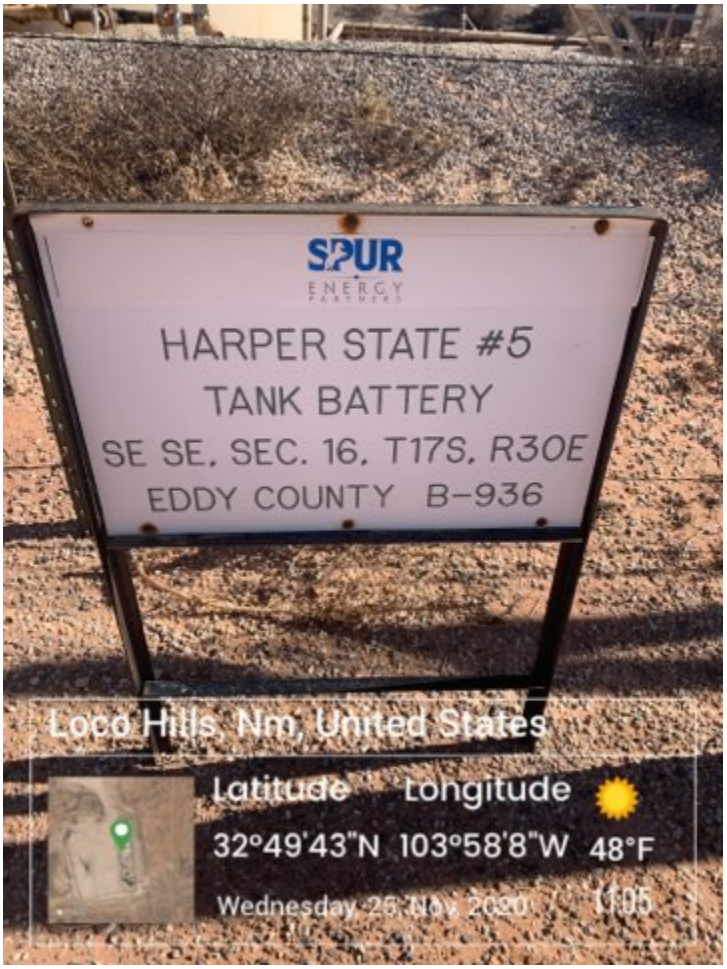
Sincerely,

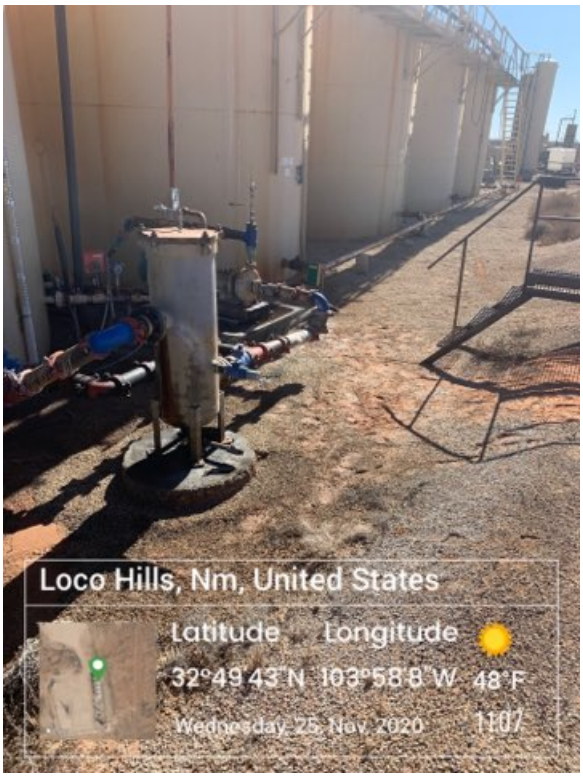
AMorley for
Andy Morley
Acting District II Supervisor
Water Resource Allocation Program
Water Rights Division

Enclosure

cc Santa Fe
File

HARPER STATE INITIAL SITE PHOTOS

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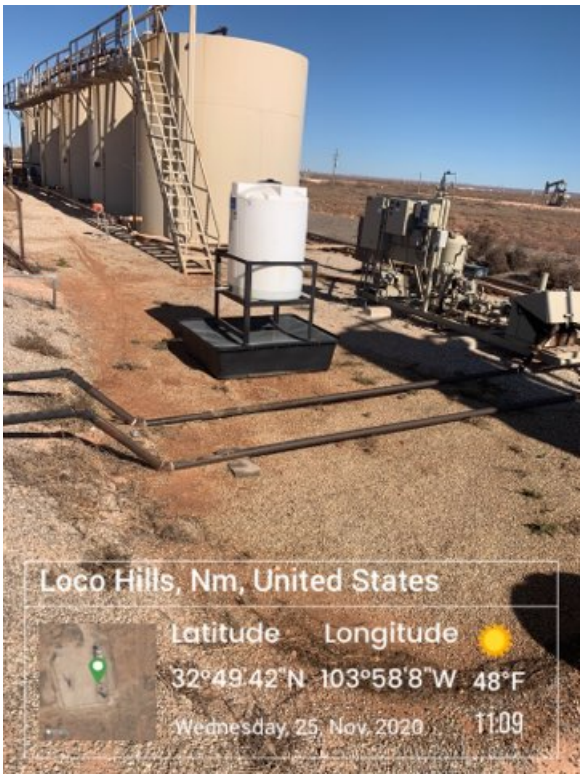
Latitude Longitude
32°49'43"N 103°58'8"W 48°F
Wednesday, 25 Nov, 2020 11:07


Loco Hills, Nm, United States
Latitude Longitude
32°49'43"N 103°58'8"W 48°F
Wednesday, 25 Nov, 2020 11:08


Loco Hills, Nm, United States
Latitude Longitude
32°49'42"N 103°58'8"W 48°F
Wednesday, 25 Nov, 2020 11:08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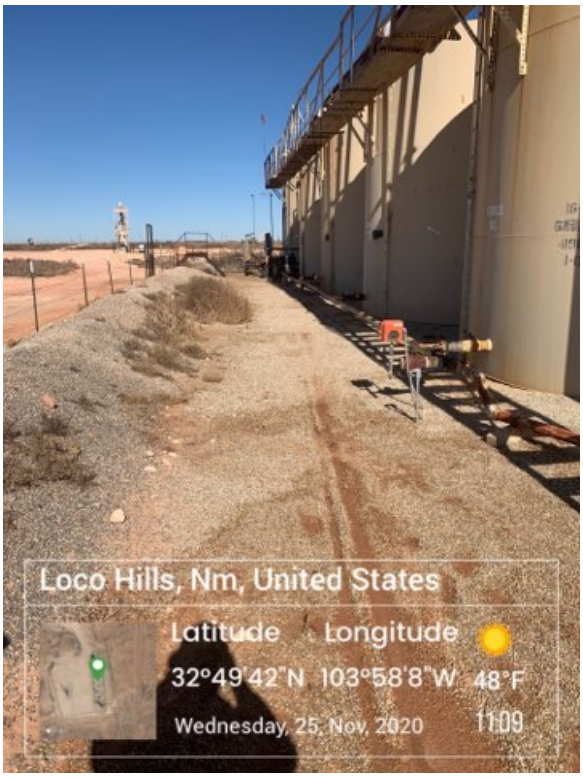
32°49'42"N 103°58'8"W 48°F
Wednesday, 25 Nov, 2020 11:09


Loco Hills, Nm, United States
Latitude
Longitude
32°49'42"N 103°58'8"W
48°F
Wednesday, 25, Nov, 2020
11:09


Loco Hills, Nm, United States
Latitude
Longitude
32°49'42"N 103°58'8"W
48°F
Wednesday, 25, Nov, 2020
11:25

Company Name: SPUR ENERGY **Location Name:** HARPER ST #005 BATTERY **Release Date:** 11/25/2020

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
SP1	SURFACE	>4000									
	1'	>4000									
	2'	>4000									
	3'	>4000									
	4'	>4000									
	5'	>4000									
	6'	3280									
	7'	2720									
	8'	1280									
	9'	3000									
	10'	2860		ND	ND	ND	ND	ND	2880		HIT REFUSAL
SP2	SURFACE	>4000									
	1'	>4000									
	2'	>4000									
	3'	>4000									
	4'	>4000									
	5'	>4000									
	6'	>4000									
	7'	>4000									
	8'	>4000									
	9'	1600									
	10'	2800									
	11'	2080									
	12'	2000		ND	ND	ND	ND	ND	2080		HIT REFUSAL
SP3	SURFACE	>4000									
	1'	3200									
	2'	560									
	3'	560									
	4'	720									

	5'	480									
	6'	480									
	7'	560									
	8'	480									
	9'	640									
	10'	720									
	11'	700									
	12'	700		ND	ND	ND	ND	ND	687		HIT REFUSAL
SP4	SURFACE	>4000									
	1'	>4000									
	2'	>4000									
	3'	>4000									
	4'	>4000									
	5'	2560									
	6'	2160									
	7'	1080									
	8'	800									
	9'	560									
	10'	560		ND	ND	ND	ND	ND	300		
SP5	SURFACE	>4000									
	1'	2640									
	2'	960									
	3'	560									
	4'	800									
	5'	560									
	6'	480		ND	ND	ND	ND	ND	55		
SP6	SURFACE	>4000									
	1'	>4000									
	2'	>4000									
	3'	1840									
	4'	1440									

	5'	1760									
	6'	1840									
	7'	1760									
	8'	1120									
	9'	800									
	10'	4000									
	11'	1040									
	12'	800		ND	ND	ND	ND	ND	728		HIT REFUSAL
SP7	SURFACE	>4000									
	1'	2080									
	2'	640									
	3'	720									
	4'	560									
	5'	560		ND	ND	ND	ND	ND	249		
SP8	SURFACE	>4000									
	1'	1760									
	2'	960									
	3'	1760									
	4'	3520									
	5'	4000									
	6'	1840									
	7'	720									
	8'	600									
	9'	600		ND	ND	ND	ND	ND	614		
SP9	SURFACE	>4000									
	1'	400									
	2'	30		ND	ND	ND	ND	ND	20.8		
SP10	SURFACE	560									
	1'	240									
	2'	240									

	3'	20		ND	ND	ND	ND	ND	27.2		
SP11	SURFACE	>4000									
	1'	>4000									
	2'	>4000									
	3'	>4000									
	4'	>4000									
	5'	>4000									
	6'	>4000									
	7'	800									
	8'	1040									
	9'	480									
	10'	480		ND	ND	ND	ND	ND	167		
SP12	SURFACE	>4000									
	1'	>4000									
	2'	>4000									
	3'	1360									
	4'	400									
	5'	60		ND	ND	ND	ND	ND	52.2		
SP13	SURFACE	2240									
	1'	640									
	2'	400									
	3	ND		ND	ND	ND	ND	ND	ND		
SP14	SURFACE	>4000									
	1'	960									
	2'	1120									
	3'	1600									
	4'	960									
	5'	720									
	6'	480									
	7'	480		ND	ND	ND	ND	ND	395		

SP15	SURFACE	800									
	1'	240									
	2'	40		ND	ND	ND	ND	ND	28.8		
SP16	SURFACE	3200									
	1'	400									
	2'	180		ND	ND	ND	ND	ND	158		
SP17	SURFACE	800									
	1'	400									
	2'	30		ND	ND	ND	ND	ND	20.3		
SP18	SURFACE	>4000									
	1'	960									
	2'	880									
	3'	880									
	4'	1200									
	5'	1120									
	6'	2000									
	7'	1280									
	8'	1760									
	9'	1120									
	10'	2320									
	11'	960									
	12'	2000		ND	ND	ND	ND	ND	1780		
SW1	SURFACE	480									
	1'	480									
	2'	480		ND	ND	ND	ND	ND	285		
SW2	SURFACE	880									
	1'	1200									
	2'	1600									

	3'	1520									
	4'	1600									
	5'	1600									
	6'	480									
	7'	300		ND	ND	ND	ND	ND	233		
SW3	SURFACE	1040									
	1'	960									
	2'	1520									
	3'	1200									
	4'	1200									
	5'	960									
	6'	400									
	7	320		ND	ND	ND	ND	ND	299		
SW4	SURFACE	560									
	1'	400									
	2'	260		ND	ND	ND	ND	ND	232		
SW5	SURFACE	800									
	1'	720									
	2'	800									
	3'	560									
	4'	40		ND	ND	ND	ND	ND	22		
SW6	SURFACE	720									
	1'	480									
	2'	480		ND	ND	52.9	ND	52.9	24		
SW7	SURFACE	800									
	1'	720									
	2'	720									
	3'	800									
	4'	400									

	5'	400		ND	ND	ND	ND	ND	28.6		
SW8	SURFACE	400									
	1'	400									
	2'	400		ND	ND	ND	ND	ND	63.7		
SW9	SURFACE	400									
	1'	320									
	2'	320		ND	ND	ND	ND	ND	81.7		
SW10	SURFACE	400									
	1'	400									
	2'	320		ND	ND	837	711	1548	ND		

CLOSURE SAMPLES

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
COMP1	1'BGS	>4000		ND	ND	503	680	1183	35200		
COMP2	1'BGS	>4000		ND	ND	5240	3000	8240	33300		
COMP3	1'BGS	>4000		ND	ND	5990	3880	9870	20200		
COMP4	1'BGS	>4000		ND	ND	1760	1350	3110	13800		
COMP5	1'BGS	3600		ND	ND	2320	2080	4400	29700		
COMP6	1'BGS	>4000		ND	ND	9070	6660	15730	32800		
COMP7	1'BGS	>4000		ND	ND	3800	2660	6460	17100		
COMP8	1'BGS	>4000		ND	ND	983	925	1908	18100		

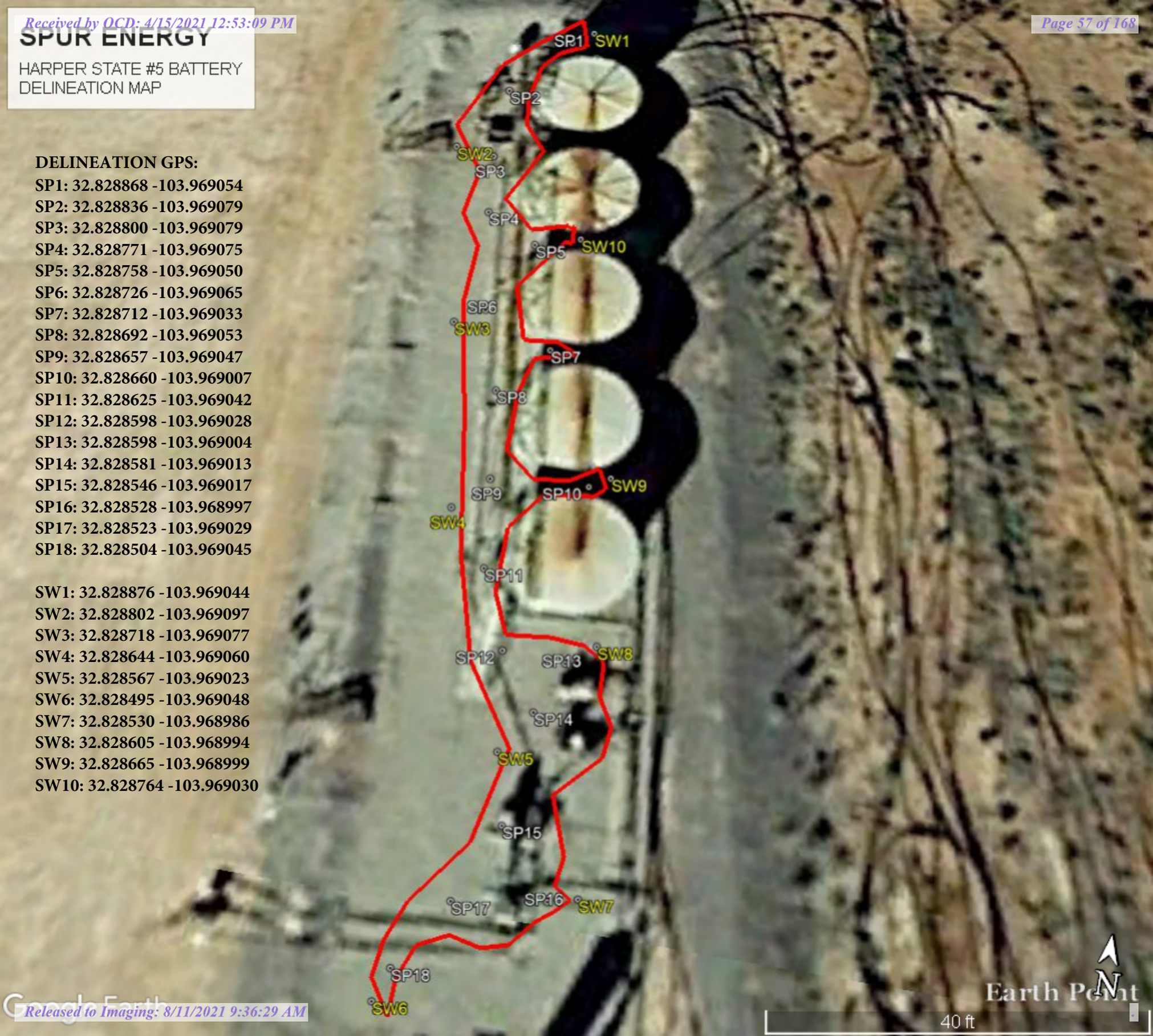
SPUR ENERGY

HARPER STATE #5 BATTERY
DELINEATION MAP

DELINEATION GPS:

SP1: 32.828868 -103.969054
SP2: 32.828836 -103.969079
SP3: 32.828800 -103.969079
SP4: 32.828771 -103.969075
SP5: 32.828758 -103.969050
SP6: 32.828726 -103.969065
SP7: 32.828712 -103.969033
SP8: 32.828692 -103.969053
SP9: 32.828657 -103.969047
SP10: 32.828660 -103.969007
SP11: 32.828625 -103.969042
SP12: 32.828598 -103.969028
SP13: 32.828598 -103.969004
SP14: 32.828581 -103.969013
SP15: 32.828546 -103.969017
SP16: 32.828528 -103.968997
SP17: 32.828523 -103.969029
SP18: 32.828504 -103.969045

SW1: 32.828876 -103.969044
SW2: 32.828802 -103.969097
SW3: 32.828718 -103.969077
SW4: 32.828644 -103.969060
SW5: 32.828567 -103.969023
SW6: 32.828495 -103.969048
SW7: 32.828530 -103.968986
SW8: 32.828605 -103.968994
SW9: 32.828665 -103.968999
SW10: 32.828764 -103.969030



HARPER STATE DELINEATION SITE PHOTOS


Artesia, New Mexico, United States
Artesia, NM 88210, USA
Lat N 32° 49' 43.4136"
Long W -103° 58' 8.4648"
17/12/20 11:35 AM
Google


Artesia, New Mexico, United States
Artesia, NM 88210, USA
Lat N 32° 49' 42.8628"
Long W -103° 58' 8.5152"
17/12/20 03:00 PM
Google


Artesia, New Mexico, United States
Artesia, NM 88210, USA
Lat N 32° 49' 42.852"
Long W -103° 58' 8.7492"
17/12/20 03:00 PM
Google


Artesia, New Mexico, United States
Artesia, NM 88210, USA
Lat N 32° 49' 43.3704"
Long W -103° 58' 8.418"
17/12/20 11:34 AM
Google

SPUR ENERGY

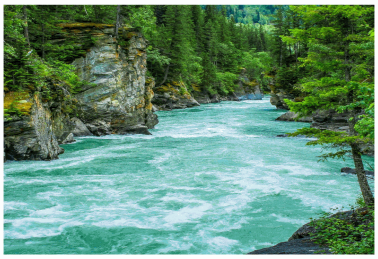
HARPER STATE #5 BATTERY
COMPOSITE SAMPLE MAP

COMPOSITE SAMPLE GPS:

COMP1: 32.828843 -103.969082
COMP2: 32.828796 -103.969076
COMP3: 32.828744 -103.969066
COMP4: 32.828689 -103.969053
COMP5: 32.828632 -103.969046
COMP6: 32.828583 -103.969011
COMP7: 32.828542 -103.968999
COMP8: 32.828509 -103.969032

Report to:

Natalie Gladden



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Spur

Project Name:	Harper State #5 Tank Batt
Work Order:	E012062
Job Number:	20046-0001
Received:	12/17/2020

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/22/20

Date Reported: 12/22/20

Natalie Gladden
PO Box 1058
Hobbs, NM 88240

Project Name: Harper State #5 Tank Batt
Workorder: E012062
Date Received: 12/17/2020 11:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/17/2020 11:00:00AM, under the Project Name: Harper State #5 Tank Batt.

The analytical test results summarized in this report with the Project Name: Harper State #5 Tank Batt apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/22/20 11:54

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP4-10'	E012062-01A	Soil	12/15/20	12/17/20	Glass Jar, 4 oz.

Sample Data

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/22/2020 11:54:57AM

SP4-10'

E012062-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2051031
Benzene	ND	0.0250	1	12/17/20	12/18/20	
Toluene	ND	0.0250	1	12/17/20	12/18/20	
Ethylbenzene	ND	0.0250	1	12/17/20	12/18/20	
p,m-Xylene	ND	0.0500	1	12/17/20	12/18/20	
o-Xylene	ND	0.0250	1	12/17/20	12/18/20	
Total Xylenes	ND	0.0250	1	12/17/20	12/18/20	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*12/17/20*	*12/18/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2051031
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/20	12/18/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.3 %*	*70-130*	*12/17/20*	*12/18/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2051035
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/20	12/18/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/18/20	12/18/20	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/18/20*	*12/18/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2051038
Chloride	**300**	20.0	1	12/18/20	12/18/20	

QC Summary Data

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/22/2020 11:54:57AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2051031-BLK1)									Prepared: 12/17/20 Analyzed: 12/18/20
Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.89*		*8.00*		*98.6*	*70-130*			
LCS (2051031-BS1)									Prepared: 12/17/20 Analyzed: 12/17/20
Benzene	5.60	0.0250	5.00		112	70-130			
Toluene	5.63	0.0250	5.00		113	70-130			
Ethylbenzene	5.58	0.0250	5.00		112	70-130			
p,m-Xylene	11.3	0.0500	10.0		113	70-130			
o-Xylene	5.65	0.0250	5.00		113	70-130			
Total Xylenes	17.0	0.0250	15.0		113	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.36*		*8.00*		*104*	*70-130*			
Matrix Spike (2051031-MS1)				**Source: E012055-01**					Prepared: 12/17/20 Analyzed: 12/17/20
Benzene	5.50	0.0250	5.00	ND	110	54-133			
Toluene	5.52	0.0250	5.00	ND	110	61-130			
Ethylbenzene	5.47	0.0250	5.00	ND	109	61-133			
p,m-Xylene	11.1	0.0500	10.0	ND	111	63-131			
o-Xylene	5.53	0.0250	5.00	ND	111	63-131			
Total Xylenes	16.6	0.0250	15.0	ND	111	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.24*		*8.00*		*103*	*70-130*			
Matrix Spike Dup (2051031-MSD1)				**Source: E012055-01**					Prepared: 12/17/20 Analyzed: 12/17/20
Benzene	5.63	0.0250	5.00	ND	113	54-133	2.38	20	
Toluene	5.62	0.0250	5.00	ND	112	61-130	1.76	20	
Ethylbenzene	5.56	0.0250	5.00	ND	111	61-133	1.78	20	
p,m-Xylene	11.3	0.0500	10.0	ND	113	63-131	1.71	20	
o-Xylene	5.63	0.0250	5.00	ND	113	63-131	1.80	20	
Total Xylenes	16.9	0.0250	15.0	ND	113	63-131	1.74	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.29*		*8.00*		*104*	*70-130*			

QC Summary Data

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/22/2020 11:54:57AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2051031-BLK1)									Prepared: 12/17/20 Analyzed: 12/18/20
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.19*		*8.00*		*89.9*	*70-130*			
LCS (2051031-BS2)									Prepared: 12/17/20 Analyzed: 12/17/20
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0		96.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.17*		*8.00*		*89.7*	*70-130*			
Matrix Spike (2051031-MS2)				**Source: E012055-01**					Prepared: 12/17/20 Analyzed: 12/17/20
Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.08*		*8.00*		*88.4*	*70-130*			
Matrix Spike Dup (2051031-MSD2)				**Source: E012055-01**					Prepared: 12/17/20 Analyzed: 12/17/20
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.9	70-130	6.20	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		*8.00*		*89.1*	*70-130*			

QC Summary Data

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/22/2020 11:54:57AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2051035-BLK1)									Prepared: 12/18/20 Analyzed: 12/18/20
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	*43.5*		*50.0*		*87.1*	*50-200*			
LCS (2051035-BS1)									Prepared: 12/18/20 Analyzed: 12/18/20
Diesel Range Organics (C10-C28)	371	25.0	500		74.2	38-132			
Surrogate: n-Nonane	*44.0*		*50.0*		*88.0*	*50-200*			
Matrix Spike (2051035-MS1)				**Source: E012059-02**					Prepared: 12/18/20 Analyzed: 12/18/20
Diesel Range Organics (C10-C28)	388	25.0	500	ND	77.6	38-132			
Surrogate: n-Nonane	*45.3*		*50.0*		*90.6*	*50-200*			
Matrix Spike Dup (2051035-MSD1)				**Source: E012059-02**					Prepared: 12/18/20 Analyzed: 12/18/20
Diesel Range Organics (C10-C28)	386	25.0	500	ND	77.1	38-132	0.680	20	
Surrogate: n-Nonane	*45.9*		*50.0*		*91.7*	*50-200*			

QC Summary Data

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/22/2020 11:54:57AM

Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2051038-BLK1)									Prepared: 12/18/20 Analyzed: 12/18/20
Chloride	ND	20.0							
LCS (2051038-BS1)									Prepared: 12/18/20 Analyzed: 12/18/20
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2051038-MS1)				**Source: E012055-01**					Prepared: 12/18/20 Analyzed: 12/18/20
Chloride	290	100	250	ND	116	80-120			
Matrix Spike Dup (2051038-MSD1)				**Source: E012055-01**					Prepared: 12/18/20 Analyzed: 12/18/20
Chloride	259	100	250	ND	104	80-120	11.1	20	

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

Definitions and Notes

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/22/20 11:54

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information | Chain of Custody | Page 1 of 1

Client: Spur	Bill To	Lab Use Only	TAT / EPA Program
Project: HARPER STATE #5 TANK BATT	Attention: ESS	Lab WO# E012062	Job Number 2000420001
Project Manager: BRADY MOULDER	Address: 7 W Compress Rd		1D 2D 3D Standard ✓
Address:	City, State, Zip Artesia, NM		CWA SDWA RCRA
City, State, Zip	Phone:		
Phone:	Email: Natalie Gladden		
Email: Natalie Gladden			
Report due by:			

Time Sampled	Date Sampled	Matrix	No. of 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
1:30	12-15-20	S	1	SP4 - 10'	1							X		

Analysis and Method

State: NM ✓ | CO | UT | AZ | TX

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: Mark Rios

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
Juan Talavera	12/16/20			12.16.2020	1550
	12.16.2020	1700		12/17/20	11am

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

Envirotech Analytical Laboratory

Printed: 12/17/2020 12:02:43PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Spur	Date Received:	12/17/20 11:00	Work Order ID:	E012062
Phone:	(575) 390-6397	Date Logged In:	12/17/20 11:47	Logged In By:	Alexa Michaels
Email:	ngladden@energystaffingllc.com	Due Date:	12/23/20 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: FedEx
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

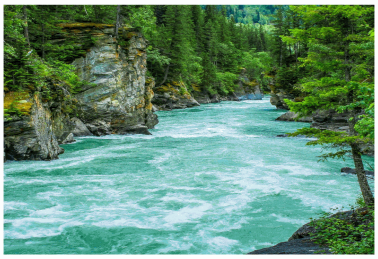
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Natalie Gladden



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Spur

Project Name:	Harper State #5 Tank Batt
Work Order:	E012069
Job Number:	20046-0001
Received:	12/19/2020

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/22/20

Date Reported: 12/22/20

Natalie Gladden
PO Box 1058
Hobbs, NM 88240

Project Name: Harper State #5 Tank Batt
Workorder: E012069
Date Received: 12/19/2020 10:45:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/19/2020 10:45:00AM, under the Project Name: Harper State #5 Tank Batt.

The analytical test results summarized in this report with the Project Name: Harper State #5 Tank Batt apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/22/20 10:37

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP5-6'	E012069-01A	Soil	12/17/20	12/19/20	Glass Jar, 4 oz.
SP7-6'	E012069-02A	Soil	12/17/20	12/19/20	Glass Jar, 4 oz.

Sample Data

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/22/2020 10:37:46AM

SP5-6'

E012069-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2052001
Benzene	ND	0.0250	1	12/21/20	12/21/20	
Toluene	ND	0.0250	1	12/21/20	12/21/20	
Ethylbenzene	ND	0.0250	1	12/21/20	12/21/20	
p,m-Xylene	ND	0.0500	1	12/21/20	12/21/20	
o-Xylene	ND	0.0250	1	12/21/20	12/21/20	
Total Xylenes	ND	0.0250	1	12/21/20	12/21/20	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*12/21/20*	*12/21/20*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*12/21/20*	*12/21/20*	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*12/21/20*	*12/21/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2052001
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/20	12/21/20	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*12/21/20*	*12/21/20*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*12/21/20*	*12/21/20*	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*12/21/20*	*12/21/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2052002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/20	12/21/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/21/20	12/21/20	
Surrogate: n-Nonane		*128 %*	*50-200*	*12/21/20*	*12/21/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2052003
Chloride	**55.0**	20.0	1	12/21/20	12/21/20	

Sample Data

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/22/2020 10:37:46AM

SP7-6'

E012069-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2052001
Benzene	ND	0.0250	1	12/21/20	12/21/20	
Toluene	ND	0.0250	1	12/21/20	12/21/20	
Ethylbenzene	ND	0.0250	1	12/21/20	12/21/20	
p,m-Xylene	ND	0.0500	1	12/21/20	12/21/20	
o-Xylene	ND	0.0250	1	12/21/20	12/21/20	
Total Xylenes	ND	0.0250	1	12/21/20	12/21/20	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*12/21/20*	*12/21/20*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*12/21/20*	*12/21/20*	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*12/21/20*	*12/21/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2052001
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/20	12/21/20	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*12/21/20*	*12/21/20*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*12/21/20*	*12/21/20*	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*12/21/20*	*12/21/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2052002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/20	12/21/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/21/20	12/21/20	
Surrogate: n-Nonane		*122 %*	*50-200*	*12/21/20*	*12/21/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2052003
Chloride	**249**	20.0	1	12/21/20	12/21/20	

QC Summary Data

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/22/2020 10:37:46AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2052001-BLK1)									Prepared: 12/21/20 Analyzed: 12/21/20
Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 1,2-Dichloroethane-d4	*0.495*		*0.500*		*98.9*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: Bromofluorobenzene	*0.501*		*0.500*		*100*	*70-130*			
LCS (2052001-BS1)									Prepared: 12/21/20 Analyzed: 12/21/20
Benzene	2.42	0.0250	2.50		96.9	70-130			
Toluene	2.44	0.0250	2.50		97.4	70-130			
Ethylbenzene	2.49	0.0250	2.50		99.6	70-130			
p,m-Xylene	4.96	0.0500	5.00		99.2	70-130			
o-Xylene	2.51	0.0250	2.50		100	70-130			
Total Xylenes	7.47	0.0250	7.50		99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: Bromofluorobenzene	*0.502*		*0.500*		*100*	*70-130*			
Matrix Spike (2052001-MS1)				**Source: E012068-01**					Prepared: 12/21/20 Analyzed: 12/21/20
Benzene	2.28	0.0250	2.50	ND	91.2	48-131			
Toluene	2.29	0.0250	2.50	ND	91.8	48-130			
Ethylbenzene	2.35	0.0250	2.50	ND	93.8	45-135			
p,m-Xylene	4.65	0.0500	5.00	ND	93.1	43-135			
o-Xylene	2.36	0.0250	2.50	ND	94.2	43-135			
Total Xylenes	7.01	0.0250	7.50	ND	93.5	43-135			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: Bromofluorobenzene	*0.503*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2052001-MSD1)				**Source: E012068-01**					Prepared: 12/21/20 Analyzed: 12/21/20
Benzene	2.26	0.0250	2.50	ND	90.5	48-131	0.748	23	
Toluene	2.25	0.0250	2.50	ND	89.8	48-130	2.14	24	
Ethylbenzene	2.28	0.0250	2.50	ND	91.3	45-135	2.66	27	
p,m-Xylene	4.55	0.0500	5.00	ND	91.0	43-135	2.26	27	
o-Xylene	2.31	0.0250	2.50	ND	92.2	43-135	2.15	27	
Total Xylenes	6.86	0.0250	7.50	ND	91.4	43-135	2.22	27	
Surrogate: 1,2-Dichloroethane-d4	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			
Surrogate: Bromofluorobenzene	*0.503*		*0.500*		*101*	*70-130*			

QC Summary Data

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/22/2020 10:37:46AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2052001-BLK1)									Prepared: 12/21/20 Analyzed: 12/21/20
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1,2-Dichloroethane-d4	*0.495*		*0.500*		*98.9*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: Bromofluorobenzene	*0.501*		*0.500*		*100*	*70-130*			
LCS (2052001-BS2)									Prepared: 12/21/20 Analyzed: 12/21/20
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.499*		*0.500*		*99.7*	*70-130*			
Surrogate: Toluene-d8	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: Bromofluorobenzene	*0.503*		*0.500*		*101*	*70-130*			
Matrix Spike (2052001-MS2)				**Source: E012068-01**					Prepared: 12/21/20 Analyzed: 12/21/20
Gasoline Range Organics (C6-C10)	45.2	20.0	50.0	ND	90.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: Bromofluorobenzene	*0.493*		*0.500*		*98.5*	*70-130*			
Matrix Spike Dup (2052001-MSD2)				**Source: E012068-01**					Prepared: 12/21/20 Analyzed: 12/21/20
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0	ND	89.9	70-130	0.453	20	
Surrogate: 1,2-Dichloroethane-d4	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: Bromofluorobenzene	*0.502*		*0.500*		*100*	*70-130*			

QC Summary Data

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/22/2020 10:37:46AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2052002-BLK1)									Prepared: 12/21/20 Analyzed: 12/21/20
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	*48.4*		*50.0*		*96.7*	*50-200*			
LCS (2052002-BS1)									Prepared: 12/21/20 Analyzed: 12/21/20
Diesel Range Organics (C10-C28)	401	25.0	500		80.2	38-132			
Surrogate: n-Nonane	*48.5*		*50.0*		*96.9*	*50-200*			
Matrix Spike (2052002-MS1)				**Source: E012068-01**					Prepared: 12/21/20 Analyzed: 12/21/20
Diesel Range Organics (C10-C28)	464	25.0	500	ND	92.8	38-132			
Surrogate: n-Nonane	*51.8*		*50.0*		*104*	*50-200*			
Matrix Spike Dup (2052002-MSD1)				**Source: E012068-01**					Prepared: 12/21/20 Analyzed: 12/21/20
Diesel Range Organics (C10-C28)	442	25.0	500	ND	88.4	38-132	4.78	20	
Surrogate: n-Nonane	*49.8*		*50.0*		*99.7*	*50-200*			

QC Summary Data

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/22/2020 10:37:46AM

Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2052003-BLK1)									Prepared: 12/21/20 Analyzed: 12/21/20
Chloride	ND	20.0							
LCS (2052003-BS1)									Prepared: 12/21/20 Analyzed: 12/21/20
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2052003-MS1)				**Source: E012068-01**					Prepared: 12/21/20 Analyzed: 12/21/20
Chloride	601	20.0	250	338	105	80-120			
Matrix Spike Dup (2052003-MSD1)				**Source: E012068-01**					Prepared: 12/21/20 Analyzed: 12/21/20
Chloride	599	20.0	250	338	104	80-120	0.345	20	

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

Definitions and Notes

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/22/20 10:37

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information | Chain of Custody | Page 1 of 1

Client: Spur	Bill To	Lab Use Only	TAT / EPA Program
Project: Harper State #5 Tank Bat	Attention: ESS	Lab WO# E012069	Job Number 20040-0001
Project Manager:	Address: 7 W Compress Rd	1D X	2D	3D	Standard
Address:	City, State, Zip Artesia, NM	CWA 12-18	SDWA
City, State, Zip	Phone:	per Caleb	RCRA
Phone:	Email: Natalie Gladden	State: NM X	CO	UT	AZ	TX
Email: Natalie Gladden		
Report due by:		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
8:55	12-17-20	S	1	SP5 - 6'	1							X		
1:55	12-17-20	S	1	SP7 - 6'	2							X		

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12-18-20	2:30		12.18.2020	1430
	12.18.2020	1640	Robin Schwarz	12/18/20	10:45

Lab Use Only — Received on ice: Y / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 12/21/2020 11:50:28AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Spur	Date Received:	12/19/20 10:45	Work Order ID:	E012069
Phone:	(575) 390-6397	Date Logged In:	12/18/20 16:56	Logged In By:	Raina Schwanz
Email:	ngladden@energystaffingllc.com	Due Date:	12/21/20 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: FedEx
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Natalie Gladden

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Spur

Project Name:	Harper State #5 Tank Batt
Work Order:	E012071
Job Number:	20046-0001
Received:	12/22/2020

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/23/20

Date Reported: 12/23/20

Natalie Gladden
PO Box 1058
Hobbs, NM 88240

Project Name: Harper State #5 Tank Batt
Workorder: E012071
Date Received: 12/22/2020 11:30:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/22/2020 11:30:00AM, under the Project Name: Harper State #5 Tank Batt.

The analytical test results summarized in this report with the Project Name: Harper State #5 Tank Batt apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/20 13:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 8- 9'	E012071-01A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
SP 9- 2'	E012071-02A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
SP 10- 3'	E012071-03A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
SP 6- 12'	E012071-04A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
SP 11- 10'	E012071-05A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
SP 1- 10'	E012071-06A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
SP 2- 12'	E012071-07A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
SP 3-12'	E012071-08A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
SP 12- 5'	E012071-09A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
SP 13- 3'	E012071-10A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
SP 14- 7'	E012071-11A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
SP 15- 2'	E012071-12A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
SP 16- 2'	E012071-13A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.

Sample Data

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/2020 1:59:24PM

SP 8- 9'

E012071-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2052007
Benzene	ND	0.0250	1	12/22/20	12/22/20	
Toluene	ND	0.0250	1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250	1	12/22/20	12/22/20	
p,m-Xylene	ND	0.0500	1	12/22/20	12/22/20	
o-Xylene	ND	0.0250	1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250	1	12/22/20	12/22/20	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2052007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/20	12/22/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/20	12/22/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/22/20	12/22/20	
Surrogate: n-Nonane		*84.9 %*	*50-200*	*12/22/20*	*12/22/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2052009
Chloride	**614**	20.0	1	12/22/20	12/22/20	

Sample Data

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/2020 1:59:24PM

SP 9- 2'

E012071-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2052007
Benzene	ND	0.0250	1	12/22/20	12/22/20	
Toluene	ND	0.0250	1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250	1	12/22/20	12/22/20	
p,m-Xylene	ND	0.0500	1	12/22/20	12/22/20	
o-Xylene	ND	0.0250	1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250	1	12/22/20	12/22/20	
Surrogate: 4-Bromochlorobenzene-PID		*99.3 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2052007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/20	12/22/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/20	12/22/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/22/20	12/22/20	
Surrogate: n-Nonane		*81.6 %*	*50-200*	*12/22/20*	*12/22/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2052009
Chloride	**20.8**	20.0	1	12/22/20	12/22/20	

Sample Data

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/2020 1:59:24PM

SP 10- 3'

E012071-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2052007
Benzene	ND	0.0250	1	12/22/20	12/22/20	
Toluene	ND	0.0250	1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250	1	12/22/20	12/22/20	
p,m-Xylene	ND	0.0500	1	12/22/20	12/22/20	
o-Xylene	ND	0.0250	1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250	1	12/22/20	12/22/20	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2052007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/20	12/22/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/20	12/22/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/22/20	12/22/20	
Surrogate: n-Nonane		*77.5 %*	*50-200*	*12/22/20*	*12/22/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2052009
Chloride	**27.2**	20.0	1	12/22/20	12/22/20	

Sample Data

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/2020 1:59:24PM

SP 6- 12'

E012071-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2052007
Benzene	ND	0.0250	1	12/22/20	12/22/20	
Toluene	ND	0.0250	1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250	1	12/22/20	12/22/20	
p,m-Xylene	ND	0.0500	1	12/22/20	12/22/20	
o-Xylene	ND	0.0250	1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250	1	12/22/20	12/22/20	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2052007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/20	12/22/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/20	12/22/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/22/20	12/22/20	
Surrogate: n-Nonane		*75.6 %*	*50-200*	*12/22/20*	*12/22/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2052009
Chloride	**728**	20.0	1	12/22/20	12/22/20	

Sample Data

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/2020 1:59:24PM

SP 11- 10'

E012071-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2052007
Benzene	ND	0.0250	1	12/22/20	12/22/20	
Toluene	ND	0.0250	1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250	1	12/22/20	12/22/20	
p,m-Xylene	ND	0.0500	1	12/22/20	12/22/20	
o-Xylene	ND	0.0250	1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250	1	12/22/20	12/22/20	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2052007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/20	12/22/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/20	12/22/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/22/20	12/22/20	
Surrogate: n-Nonane		*84.4 %*	*50-200*	*12/22/20*	*12/22/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2052009
Chloride	**167**	20.0	1	12/22/20	12/22/20	

Sample Data

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/2020 1:59:24PM

SP 1- 10'

E012071-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2052007
Benzene	ND	0.0250	1	12/22/20	12/22/20	
Toluene	ND	0.0250	1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250	1	12/22/20	12/22/20	
p,m-Xylene	ND	0.0500	1	12/22/20	12/22/20	
o-Xylene	ND	0.0250	1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250	1	12/22/20	12/22/20	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2052007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/20	12/22/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/20	12/22/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/22/20	12/22/20	
Surrogate: n-Nonane		*83.3 %*	*50-200*	*12/22/20*	*12/22/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2052009
Chloride	**2880**	40.0	2	12/22/20	12/22/20	

Sample Data

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/2020 1:59:24PM

SP 2- 12'

E012071-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2052007
Benzene	ND	0.0250	1	12/22/20	12/22/20	
Toluene	ND	0.0250	1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250	1	12/22/20	12/22/20	
p,m-Xylene	ND	0.0500	1	12/22/20	12/22/20	
o-Xylene	ND	0.0250	1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250	1	12/22/20	12/22/20	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2052007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/20	12/22/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/20	12/22/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/22/20	12/22/20	
Surrogate: n-Nonane		*81.7 %*	*50-200*	*12/22/20*	*12/22/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2052009
Chloride	**2080**	40.0	2	12/22/20	12/22/20	

Sample Data

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/2020 1:59:24PM

SP 3-12'

E012071-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2052007
Benzene	ND	0.0250	1	12/22/20	12/22/20	
Toluene	ND	0.0250	1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250	1	12/22/20	12/22/20	
p,m-Xylene	ND	0.0500	1	12/22/20	12/22/20	
o-Xylene	ND	0.0250	1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250	1	12/22/20	12/22/20	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2052007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/20	12/22/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.5 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2052008
Diesel Range Organics (C10-C28)	**62.0**	25.0	1	12/22/20	12/22/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/22/20	12/22/20	
Surrogate: n-Nonane		*84.9 %*	*50-200*	*12/22/20*	*12/22/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2052009
Chloride	**687**	20.0	1	12/22/20	12/22/20	

Sample Data

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/2020 1:59:24PM

SP 12- 5'

E012071-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2052012
Benzene	ND	0.0250	1	12/22/20	12/22/20	
Toluene	ND	0.0250	1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250	1	12/22/20	12/22/20	
p,m-Xylene	ND	0.0500	1	12/22/20	12/22/20	
o-Xylene	ND	0.0250	1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250	1	12/22/20	12/22/20	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*70-130*	*12/22/20*	*12/22/20*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*12/22/20*	*12/22/20*	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2052012
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/20	12/22/20	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*70-130*	*12/22/20*	*12/22/20*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*12/22/20*	*12/22/20*	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/20	12/22/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/22/20	12/22/20	
Surrogate: n-Nonane		*89.9 %*	*50-200*	*12/22/20*	*12/22/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2052009
Chloride	**52.2**	20.0	1	12/22/20	12/22/20	

Sample Data

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/2020 1:59:24PM

SP 13- 3'

E012071-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2052012
Benzene	ND	0.0250	1	12/22/20	12/22/20	
Toluene	ND	0.0250	1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250	1	12/22/20	12/22/20	
p,m-Xylene	ND	0.0500	1	12/22/20	12/22/20	
o-Xylene	ND	0.0250	1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250	1	12/22/20	12/22/20	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*12/22/20*	*12/22/20*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*12/22/20*	*12/22/20*	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2052012
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/20	12/22/20	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*12/22/20*	*12/22/20*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*12/22/20*	*12/22/20*	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/20	12/22/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/22/20	12/22/20	
Surrogate: n-Nonane		*97.6 %*	*50-200*	*12/22/20*	*12/22/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2052009
Chloride	ND	20.0	1	12/22/20	12/22/20	

Sample Data

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/2020 1:59:24PM

SP 14- 7'

E012071-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2052012
Benzene	ND	0.0250	1	12/22/20	12/22/20	
Toluene	ND	0.0250	1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250	1	12/22/20	12/22/20	
p,m-Xylene	ND	0.0500	1	12/22/20	12/22/20	
o-Xylene	ND	0.0250	1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250	1	12/22/20	12/22/20	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*12/22/20*	*12/22/20*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*12/22/20*	*12/22/20*	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2052012
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/20	12/22/20	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*12/22/20*	*12/22/20*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*12/22/20*	*12/22/20*	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/20	12/22/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/22/20	12/22/20	
Surrogate: n-Nonane		*91.9 %*	*50-200*	*12/22/20*	*12/22/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2052009
Chloride	**395**	20.0	1	12/22/20	12/22/20	

Sample Data

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/2020 1:59:24PM

SP 15- 2'

E012071-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2052012
Benzene	ND	0.0250	1	12/22/20	12/22/20	
Toluene	ND	0.0250	1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250	1	12/22/20	12/22/20	
p,m-Xylene	ND	0.0500	1	12/22/20	12/22/20	
o-Xylene	ND	0.0250	1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250	1	12/22/20	12/22/20	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*12/22/20*	*12/22/20*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*12/22/20*	*12/22/20*	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2052012
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/20	12/22/20	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*12/22/20*	*12/22/20*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*12/22/20*	*12/22/20*	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/20	12/22/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/22/20	12/22/20	
Surrogate: n-Nonane		*93.3 %*	*50-200*	*12/22/20*	*12/22/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2052009
Chloride	**28.8**	20.0	1	12/22/20	12/22/20	

Sample Data

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/2020 1:59:24PM

SP 16- 2'

E012071-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2052012
Benzene	ND	0.0250	1	12/22/20	12/22/20	
Toluene	ND	0.0250	1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250	1	12/22/20	12/22/20	
p,m-Xylene	ND	0.0500	1	12/22/20	12/22/20	
o-Xylene	ND	0.0250	1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250	1	12/22/20	12/22/20	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*12/22/20*	*12/22/20*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*12/22/20*	*12/22/20*	
Surrogate: Bromofluorobenzene		*95.6 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2052012
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/20	12/22/20	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*12/22/20*	*12/22/20*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*12/22/20*	*12/22/20*	
Surrogate: Bromofluorobenzene		*95.6 %*	*70-130*	*12/22/20*	*12/22/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/20	12/22/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/22/20	12/22/20	
Surrogate: n-Nonane		*87.0 %*	*50-200*	*12/22/20*	*12/22/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2052009
Chloride	**158**	20.0	1	12/22/20	12/22/20	

QC Summary Data

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/2020 1:59:24PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2052012-BLK1)									Prepared: 12/22/20 Analyzed: 12/22/20
Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 1,2-Dichloroethane-d4	*0.505*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
Surrogate: Bromofluorobenzene	*0.488*		*0.500*		*97.6*	*70-130*			
LCS (2052012-BS1)									Prepared: 12/22/20 Analyzed: 12/22/20
Benzene	2.49	0.0250	2.50		99.7	70-130			
Toluene	2.54	0.0250	2.50		101	70-130			
Ethylbenzene	2.60	0.0250	2.50		104	70-130			
p,m-Xylene	5.16	0.0500	5.00		103	70-130			
o-Xylene	2.59	0.0250	2.50		104	70-130			
Total Xylenes	7.75	0.0250	7.50		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.517*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.528*		*0.500*		*106*	*70-130*			
Surrogate: Bromofluorobenzene	*0.509*		*0.500*		*102*	*70-130*			
Matrix Spike (2052012-MS1)				**Source: E012072-01**					Prepared: 12/22/20 Analyzed: 12/22/20
Benzene	2.43	0.0250	2.50	ND	97.0	48-131			
Toluene	2.45	0.0250	2.50	ND	98.1	48-130			
Ethylbenzene	2.53	0.0250	2.50	ND	101	45-135			
p,m-Xylene	5.04	0.0500	5.00	ND	101	43-135			
o-Xylene	2.55	0.0250	2.50	ND	102	43-135			
Total Xylenes	7.58	0.0250	7.50	ND	101	43-135			
Surrogate: 1,2-Dichloroethane-d4	*0.505*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: Bromofluorobenzene	*0.490*		*0.500*		*98.0*	*70-130*			
Matrix Spike Dup (2052012-MSD1)				**Source: E012072-01**					Prepared: 12/22/20 Analyzed: 12/22/20
Benzene	2.27	0.0250	2.50	ND	90.8	48-131	6.67	23	
Toluene	2.29	0.0250	2.50	ND	91.7	48-130	6.66	24	
Ethylbenzene	2.34	0.0250	2.50	ND	93.7	45-135	7.52	27	
p,m-Xylene	4.66	0.0500	5.00	ND	93.1	43-135	7.87	27	
o-Xylene	2.36	0.0250	2.50	ND	94.4	43-135	7.66	27	
Total Xylenes	7.01	0.0250	7.50	ND	93.5	43-135	7.80	27	
Surrogate: 1,2-Dichloroethane-d4	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: Bromofluorobenzene	*0.501*		*0.500*		*100*	*70-130*			

QC Summary Data

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/2020 1:59:24PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2052007-BLK1)									Prepared: 12/22/20 Analyzed: 12/22/20
Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.10*		*8.00*		*101*	*70-130*			
LCS (2052007-BS1)									Prepared: 12/22/20 Analyzed: 12/23/20
Benzene	5.31	0.0250	5.00		106	70-130			
Toluene	5.35	0.0250	5.00		107	70-130			
Ethylbenzene	5.29	0.0250	5.00		106	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
o-Xylene	5.35	0.0250	5.00		107	70-130			
Total Xylenes	16.1	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.21*		*8.00*		*103*	*70-130*			
Matrix Spike (2052007-MS1)				**Source: E012071-01**					Prepared: 12/22/20 Analyzed: 12/23/20
Benzene	5.17	0.0250	5.00	ND	103	54-133			
Toluene	5.20	0.0250	5.00	ND	104	61-130			
Ethylbenzene	5.15	0.0250	5.00	ND	103	61-133			
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
o-Xylene	5.21	0.0250	5.00	ND	104	63-131			
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.32*		*8.00*		*104*	*70-130*			
Matrix Spike Dup (2052007-MSD1)				**Source: E012071-01**					Prepared: 12/22/20 Analyzed: 12/23/20
Benzene	5.33	0.0250	5.00	ND	107	54-133	3.03	20	
Toluene	5.35	0.0250	5.00	ND	107	61-130	2.84	20	
Ethylbenzene	5.31	0.0250	5.00	ND	106	61-133	2.96	20	
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131	2.84	20	
o-Xylene	5.37	0.0250	5.00	ND	107	63-131	2.96	20	
Total Xylenes	16.1	0.0250	15.0	ND	107	63-131	2.88	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.36*		*8.00*		*105*	*70-130*			

QC Summary Data

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/2020 1:59:24PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2052007-BLK1)									Prepared: 12/22/20 Analyzed: 12/22/20
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.31*		*8.00*		*91.4*	*70-130*			
LCS (2052007-BS2)									Prepared: 12/22/20 Analyzed: 12/23/20
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0		92.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
Matrix Spike (2052007-MS2)				**Source: E012071-01**					Prepared: 12/22/20 Analyzed: 12/23/20
Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.31*		*8.00*		*91.4*	*70-130*			
Matrix Spike Dup (2052007-MSD2)				**Source: E012071-01**					Prepared: 12/22/20 Analyzed: 12/23/20
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0	ND	89.9	70-130	1.42	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		*8.00*		*94.1*	*70-130*			

QC Summary Data

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/2020 1:59:24PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2052012-BLK1)									Prepared: 12/22/20 Analyzed: 12/22/20
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1,2-Dichloroethane-d4	*0.505*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
Surrogate: Bromofluorobenzene	*0.488*		*0.500*		*97.6*	*70-130*			
LCS (2052012-BS2)									Prepared: 12/22/20 Analyzed: 12/22/20
Gasoline Range Organics (C6-C10)	51.9	20.0	50.0		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.524*		*0.500*		*105*	*70-130*			
Surrogate: Bromofluorobenzene	*0.487*		*0.500*		*97.3*	*70-130*			
Matrix Spike (2052012-MS2)				**Source: E012072-01**					Prepared: 12/22/20 Analyzed: 12/22/20
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0	ND	91.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: Bromofluorobenzene	*0.493*		*0.500*		*98.6*	*70-130*			
Matrix Spike Dup (2052012-MSD2)				**Source: E012072-01**					Prepared: 12/22/20 Analyzed: 12/22/20
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.7	70-130	2.51	20	
Surrogate: 1,2-Dichloroethane-d4	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: Bromofluorobenzene	*0.493*		*0.500*		*98.5*	*70-130*			

QC Summary Data

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/2020 1:59:24PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2052008-BLK1)									Prepared: 12/22/20 Analyzed: 12/22/20
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	*43.3*		*50.0*		*86.6*	*50-200*			
LCS (2052008-BS1)									Prepared: 12/22/20 Analyzed: 12/22/20
Diesel Range Organics (C10-C28)	387	25.0	500		77.3	38-132			
Surrogate: n-Nonane	*43.8*		*50.0*		*87.5*	*50-200*			
Matrix Spike (2052008-MS1)				**Source: E012071-05**					Prepared: 12/22/20 Analyzed: 12/22/20
Diesel Range Organics (C10-C28)	390	25.0	500	ND	78.1	38-132			
Surrogate: n-Nonane	*43.3*		*50.0*		*86.7*	*50-200*			
Matrix Spike Dup (2052008-MSD1)				**Source: E012071-05**					Prepared: 12/22/20 Analyzed: 12/22/20
Diesel Range Organics (C10-C28)	387	25.0	500	ND	77.3	38-132	0.990	20	
Surrogate: n-Nonane	*43.5*		*50.0*		*87.0*	*50-200*			

QC Summary Data

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/2020 1:59:24PM

Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2052009-BLK1)									Prepared: 12/22/20 Analyzed: 12/22/20
Chloride	ND	20.0							
LCS (2052009-BS1)									Prepared: 12/22/20 Analyzed: 12/22/20
Chloride	249	20.0	250		99.5	90-110			
Matrix Spike (2052009-MS1)				**Source: E012071-01**					Prepared: 12/22/20 Analyzed: 12/22/20
Chloride	849	20.0	250	614	94.2	80-120			
Matrix Spike Dup (2052009-MSD1)				**Source: E012071-01**					Prepared: 12/22/20 Analyzed: 12/22/20
Chloride	845	20.0	250	614	92.4	80-120	0.515	20	

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

Definitions and Notes

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/20 13:59

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information | Chain of Custody | Page 1 of 2

Client: Spur	**Bill To**	Lab Use Only	TAT
Project: HARPER STATE #5 TANK BAT	Attention: ESS	Lab WO# E012071	Job Number 2004000001
Project Manager: BRADY MONCOER	Address: 7 W Compress Rd	1D X	2D	3D	Standard
Address:	City, State, Zip Artesia, NM	EPA Program: CWA	SDWA
City, State, Zip	Phone:	12.21 per Natalie	RCRA
Phone:	Email: Natalie Gladden	State: NM X	CO	UT	AZ	TX
Email: Natalie Gladden		
Report due by:		

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC - NM | BGDOC - TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC - NM	Remarks
8:20	12-21-20	S	1	SP 8 - 9'	1	X	
8:50	12-21-20	S	1	SP 9 - 2'	2	X	
9:27	12-21-20	S	1	SP 10 - 3'	3	X	
1:15	12-17-20	S	1	SP 6 - 12'	4	X	
11:00	12-21-20	S	1	SP 11 - 10'	5	X	
11:15	12-21-20	S	1	SP 1 - 10'	6	X	
11:30	12-21-20	S	1	SP 2 - 12'	7	X	
11:35	12-21-20	S	1	SP 3 - 12'	8	X	
12:57	12-21-20	S	1	SP 12 - 5'	9	X	
1:20	12-21-20	S	1	SP 13 - 3'	10	X	

Additional Instructions:

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

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
	12/21/20			12-21-2020	1550
	12-21-2020	1705		12/22/20	11:30

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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Project Information | Chain of Custody | Page 2 of 2

Client: Spur	**Bill To**	Lab Use Only	TAT / EPA Program
Project: HARPER STATE #5 TANK BAT	Attention: ESS	Lab WO# E020071	Job Number 2004000001
Project Manager: BRADY MONLADA	Address: 7 W Compress Rd	1D: X	2D	3D	Standard
Address:	City, State, Zip Artesia, NM	CWA	SDWA
City, State, Zip	Phone:	RCRA
Phone:	Email: Natalie Gladden	State: NM CO UT AZ TX
Email: Natalie Gladden		NM: X
Report due by:		

Time Sampled	Date Sampled	Matrix	No. of 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
2:00	2-21-20	S	1	SP14-7'	11							X		
2:13	2-21-20	S	1	SP15-2'	12							X		
2:25	2-21-20	S	1	SP16-2'	13							X		

Additional Instructions:

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

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
	12/21/20			12.21.2020	1550
	12.21.2020	1700		12/22/20	11:30

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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Envirotech Analytical Laboratory

Printed: 12/22/2020 10:14:52AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Spur	Date Received:	12/22/20 00:00	Work Order ID:	E012071
Phone:	(575) 390-6397	Date Logged In:	12/22/20 09:27	Logged In By:	Alexa Michaels
Email:	ngladden@energystaffingllc.com	Due Date:	12/22/20 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: FedEx
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Standard TAT was changed to 1day rush per Natalie.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Natalie Gladden

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Spur

Project Name:	Harper State #5 Tank Batt
Work Order:	E012090
Job Number:	20046-0001
Received:	12/23/2020

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/24/20

Date Reported: 12/24/20

Natalie Gladden
PO Box 1058
Hobbs, NM 88240

Project Name: Harper State #5 Tank Batt
Workorder: E012090
Date Received: 12/23/2020 11:29:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/23/2020 11:29:00AM, under the Project Name: Harper State #5 Tank Batt.

The analytical test results summarized in this report with the Project Name: Harper State #5 Tank Batt apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/24/20 12:11

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP17 - 2'	E012090-01A	Soil	12/22/20	12/23/20	Glass Jar, 4 oz.
SP18 - 12'	E012090-02A	Soil	12/22/20	12/23/20	Glass Jar, 4 oz.
SW1 -2'	E012090-03A	Soil	12/22/20	12/23/20	Glass Jar, 4 oz.

Sample Data

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/24/2020 12:11:12PM

SP17 - 2'

E012090-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2052019
Benzene	ND	0.0250	1	12/23/20	12/23/20	
Toluene	ND	0.0250	1	12/23/20	12/23/20	
Ethylbenzene	ND	0.0250	1	12/23/20	12/23/20	
p,m-Xylene	ND	0.0500	1	12/23/20	12/23/20	
o-Xylene	ND	0.0250	1	12/23/20	12/23/20	
Total Xylenes	ND	0.0250	1	12/23/20	12/23/20	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*12/23/20*	*12/23/20*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*12/23/20*	*12/23/20*	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*12/23/20*	*12/23/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2052019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/23/20	12/23/20	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*12/23/20*	*12/23/20*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*12/23/20*	*12/23/20*	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*12/23/20*	*12/23/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2052014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/23/20	12/23/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/23/20	12/23/20	
Surrogate: n-Nonane		*82.1 %*	*50-200*	*12/23/20*	*12/23/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2052015
Chloride	**20.3**	20.0	1	12/23/20	12/23/20	

Sample Data

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/24/2020 12:11:12PM

SP18 - 12'

E012090-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2052019
Benzene	ND	0.0250	1	12/23/20	12/23/20	
Toluene	ND	0.0250	1	12/23/20	12/23/20	
Ethylbenzene	ND	0.0250	1	12/23/20	12/23/20	
p,m-Xylene	ND	0.0500	1	12/23/20	12/23/20	
o-Xylene	ND	0.0250	1	12/23/20	12/23/20	
Total Xylenes	ND	0.0250	1	12/23/20	12/23/20	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*12/23/20*	*12/23/20*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*12/23/20*	*12/23/20*	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*12/23/20*	*12/23/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2052019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/23/20	12/23/20	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*12/23/20*	*12/23/20*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*12/23/20*	*12/23/20*	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*12/23/20*	*12/23/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2052014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/23/20	12/23/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/23/20	12/23/20	
Surrogate: n-Nonane		*75.6 %*	*50-200*	*12/23/20*	*12/23/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2052015
Chloride	**1780**	20.0	1	12/23/20	12/23/20	

Sample Data

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/24/2020 12:11:12PM

SW1 -2'

E012090-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2052019
Benzene	ND	0.0250	1	12/23/20	12/23/20	
Toluene	ND	0.0250	1	12/23/20	12/23/20	
Ethylbenzene	ND	0.0250	1	12/23/20	12/23/20	
p,m-Xylene	ND	0.0500	1	12/23/20	12/23/20	
o-Xylene	ND	0.0250	1	12/23/20	12/23/20	
Total Xylenes	ND	0.0250	1	12/23/20	12/23/20	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*12/23/20*	*12/23/20*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*12/23/20*	*12/23/20*	
Surrogate: Bromofluorobenzene		*99.6 %*	*70-130*	*12/23/20*	*12/23/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2052019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/23/20	12/23/20	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*12/23/20*	*12/23/20*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*12/23/20*	*12/23/20*	
Surrogate: Bromofluorobenzene		*99.6 %*	*70-130*	*12/23/20*	*12/23/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2052014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/23/20	12/23/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/23/20	12/23/20	
Surrogate: n-Nonane		*83.2 %*	*50-200*	*12/23/20*	*12/23/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2052015
Chloride	**285**	20.0	1	12/23/20	12/23/20	

QC Summary Data

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/24/2020 12:11:12PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2052019-BLK1)									Prepared: 12/23/20 Analyzed: 12/23/20
Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: Bromofluorobenzene	*0.496*		*0.500*		*99.1*	*70-130*			
LCS (2052019-BS1)									Prepared: 12/23/20 Analyzed: 12/23/20
Benzene	2.40	0.0250	2.50		95.9	70-130			
Toluene	2.48	0.0250	2.50		99.3	70-130			
Ethylbenzene	2.54	0.0250	2.50		102	70-130			
p,m-Xylene	5.09	0.0500	5.00		102	70-130			
o-Xylene	2.55	0.0250	2.50		102	70-130			
Total Xylenes	7.64	0.0250	7.50		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.507*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: Bromofluorobenzene	*0.502*		*0.500*		*100*	*70-130*			
Matrix Spike (2052019-MS1)				**Source: E012067-01**					Prepared: 12/23/20 Analyzed: 12/23/20
Benzene	2.27	0.0250	2.50	ND	91.0	48-131			
Toluene	2.32	0.0250	2.50	ND	92.8	48-130			
Ethylbenzene	2.38	0.0250	2.50	ND	95.2	45-135			
p,m-Xylene	4.76	0.0500	5.00	ND	95.1	43-135			
o-Xylene	2.41	0.0250	2.50	ND	96.2	43-135			
Total Xylenes	7.16	0.0250	7.50	ND	95.5	43-135			
Surrogate: 1,2-Dichloroethane-d4	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: Bromofluorobenzene	*0.509*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2052019-MSD1)				**Source: E012067-01**					Prepared: 12/23/20 Analyzed: 12/23/20
Benzene	2.35	0.0250	2.50	ND	93.8	48-131	3.12	23	
Toluene	2.41	0.0250	2.50	ND	96.5	48-130	3.87	24	
Ethylbenzene	2.49	0.0250	2.50	ND	99.7	45-135	4.54	27	
p,m-Xylene	4.99	0.0500	5.00	ND	99.8	43-135	4.74	27	
o-Xylene	2.52	0.0250	2.50	ND	101	43-135	4.69	27	
Total Xylenes	7.51	0.0250	7.50	ND	100	43-135	4.72	27	
Surrogate: 1,2-Dichloroethane-d4	*0.525*		*0.500*		*105*	*70-130*			
Surrogate: Toluene-d8	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: Bromofluorobenzene	*0.501*		*0.500*		*100*	*70-130*			

QC Summary Data

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/24/2020 12:11:12PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2052019-BLK1)									Prepared: 12/23/20 Analyzed: 12/23/20
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: Bromofluorobenzene	*0.496*		*0.500*		*99.1*	*70-130*			
LCS (2052019-BS2)									Prepared: 12/23/20 Analyzed: 12/23/20
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: Bromofluorobenzene	*0.500*		*0.500*		*99.9*	*70-130*			
Matrix Spike (2052019-MS2)				**Source: E012067-01**					Prepared: 12/23/20 Analyzed: 12/23/20
Gasoline Range Organics (C6-C10)	43.3	20.0	50.0	ND	86.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: Bromofluorobenzene	*0.499*		*0.500*		*99.7*	*70-130*			
Matrix Spike Dup (2052019-MSD2)				**Source: E012067-01**					Prepared: 12/23/20 Analyzed: 12/23/20
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.5	70-130	10.8	20	
Surrogate: 1,2-Dichloroethane-d4	*0.513*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
Surrogate: Bromofluorobenzene	*0.499*		*0.500*		*99.8*	*70-130*			

QC Summary Data

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/24/2020 12:11:12PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2052014-BLK1)									Prepared: 12/23/20 Analyzed: 12/23/20
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	*46.5*		*50.0*		*92.9*	*50-200*			
LCS (2052014-BS1)									Prepared: 12/23/20 Analyzed: 12/23/20
Diesel Range Organics (C10-C28)	399	25.0	500		79.8	38-132			
Surrogate: n-Nonane	*45.9*		*50.0*		*91.8*	*50-200*			
Matrix Spike (2052014-MS1)				**Source: E012067-01**					Prepared: 12/23/20 Analyzed: 12/23/20
Diesel Range Organics (C10-C28)	420	25.0	500	ND	84.0	38-132			
Surrogate: n-Nonane	*45.1*		*50.0*		*90.2*	*50-200*			
Matrix Spike Dup (2052014-MSD1)				**Source: E012067-01**					Prepared: 12/23/20 Analyzed: 12/23/20
Diesel Range Organics (C10-C28)	434	25.0	500	ND	86.9	38-132	3.29	20	
Surrogate: n-Nonane	*42.8*		*50.0*		*85.7*	*50-200*			

QC Summary Data

Spur	Project Name:	Harper State #5 Tank Batt	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/24/2020 12:11:12PM

Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2052015-BLK1)									Prepared: 12/23/20 Analyzed: 12/23/20
Chloride	ND	20.0							
LCS (2052015-BS1)									Prepared: 12/23/20 Analyzed: 12/23/20
Chloride	249	20.0	250		99.5	90-110			
Matrix Spike (2052015-MS1)				**Source: E012067-01**					Prepared: 12/23/20 Analyzed: 12/23/20
Chloride	7280	100	250	8000	NR	80-120			M5
Matrix Spike Dup (2052015-MSD1)				**Source: E012067-01**					Prepared: 12/23/20 Analyzed: 12/23/20
Chloride	7990	100	250	8000	NR	80-120	9.21	20	M5

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

Definitions and Notes

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/24/20 12:11

M5	The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The accociated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information | Chain of Custody | Page 1 of 1

Client: Spur	Bill To	Lab Use Only	TAT / EPA Program
Project: HARPER STATE #5 TANK BAT	Attention: ESS	Lab WO# E012090	Job Number 20046-0001
Project Manager: BRADY MOULDER	Address: 7 W Compress Rd	1D: X	2D	3D	Standard ✓
Address:	City, State, Zip Artesia, NM	CWA: 12.22 per Natalie	SDWA	RCRA
City, State, Zip	Phone:		
Phone:	Email: Natalie Gladden		
Email: Natalie Gladden			
Report due by:			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
8:30	12-22-20	S	1	SP17 -2'	1									X				
10:20	12-22-20	S	1	SP18 -12'	2									X				
11:30	12-22-20	S	1	SW1 - 2'	3									X				

State: NM ✓ | CO | UT | AZ | TX

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: Juan Talavera

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
	12/22/20	3:50		12.22.2020	1550
	12.22.2020	1640	Raven Schwartz	12.22.20	11:29

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

Envirotech Analytical Laboratory

Printed: 12/23/2020 12:38:00PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Spur	Date Received:	12/23/20 11:29	Work Order ID:	E012090
Phone:	(575) 390-6397	Date Logged In:	12/22/20 16:15	Logged In By:	Alexa Michaels
Email:	ngladden@energystaffingllc.com	Due Date:	12/23/20 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: FedEx
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

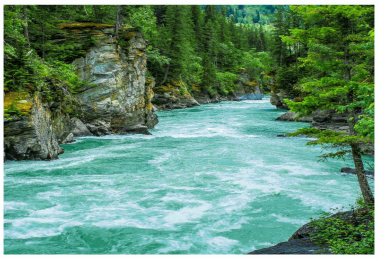
Signature of client authorizing changes to the COC or sample disposition.

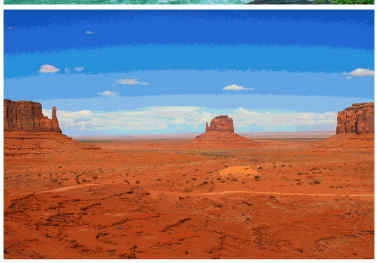
Date

envirotech Inc.

Report to:

Natalie Gladden





5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Spur

Project Name:	Harper State #5
Work Order:	E102012
Job Number:	20046-0001
Received:	2/5/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/11/21

Date Reported: 2/11/21

Natalie Gladden
PO Box 1058
Hobbs, NM 88240

Project Name: Harper State #5
Workorder: E102012
Date Received: 2/5/2021 10:12:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/5/2021 10:12:00AM, under the Project Name: Harper State #5.

The analytical test results summarized in this report with the Project Name: Harper State #5 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

Spur	Project Name:	Harper State #5	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	02/11/21 13:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1 2'	E102012-01A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
SW2 7'	E102012-02A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
SW3 7'	E102012-03A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
SW4 2'	E102012-04A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
SW5 4'	E102012-05A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
SW6 2'	E102012-06A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
SW7 5'	E102012-07A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
SW8 2'	E102012-08A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
SW9 2'	E102012-09A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
SW10 2'	E102012-10A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
Comp 1	E102012-11A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
Comp 2	E102012-12A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
Comp 3	E102012-13A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
Comp 4	E102012-14A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
Comp 5	E102012-15A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
Comp 6	E102012-16A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
Comp 7	E102012-17A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
Comp 8	E102012-18A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.

Sample Data

Spur	Project Name:	Harper State #5	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

SW1 2'

E102012-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/08/21	
Toluene	ND	0.0250	1	02/05/21	02/08/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/08/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/08/21	
o-Xylene	ND	0.0250	1	02/05/21	02/08/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/08/21	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*02/05/21*	*02/08/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*02/05/21*	*02/08/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/21	02/08/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/08/21	02/08/21	
Surrogate: n-Nonane		*86.0 %*	*50-200*	*02/08/21*	*02/08/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2107015
Chloride	**283**	20.0	1	02/09/21	02/10/21	

Sample Data

Spur	Project Name:	Harper State #5	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

SW2 7'

E102012-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/08/21	
Toluene	ND	0.0250	1	02/05/21	02/08/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/08/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/08/21	
o-Xylene	ND	0.0250	1	02/05/21	02/08/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/08/21	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*02/05/21*	*02/08/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*02/05/21*	*02/08/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/21	02/08/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/08/21	02/08/21	
Surrogate: n-Nonane		*89.8 %*	*50-200*	*02/08/21*	*02/08/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2107015
Chloride	**233**	20.0	1	02/09/21	02/10/21	

Sample Data

Spur	Project Name:	Harper State #5	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

SW3 7'

E102012-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/08/21	
Toluene	ND	0.0250	1	02/05/21	02/08/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/08/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/08/21	
o-Xylene	ND	0.0250	1	02/05/21	02/08/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/08/21	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*02/05/21*	*02/08/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*02/05/21*	*02/08/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/21	02/08/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/08/21	02/08/21	
Surrogate: n-Nonane		*85.4 %*	*50-200*	*02/08/21*	*02/08/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2107015
Chloride	**299**	20.0	1	02/09/21	02/10/21	

Sample Data

Spur	Project Name:	Harper State #5	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

SW4 2'

E102012-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/08/21	
Toluene	ND	0.0250	1	02/05/21	02/08/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/08/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/08/21	
o-Xylene	ND	0.0250	1	02/05/21	02/08/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/08/21	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*02/05/21*	*02/08/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*02/05/21*	*02/08/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/08/21	02/09/21	
Surrogate: n-Nonane		*91.2 %*	*50-200*	*02/08/21*	*02/09/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2107015
Chloride	**232**	20.0	1	02/09/21	02/10/21	

Sample Data

Spur	Project Name:	Harper State #5	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

SW5 4'

E102012-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/08/21	
Toluene	ND	0.0250	1	02/05/21	02/08/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/08/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/08/21	
o-Xylene	ND	0.0250	1	02/05/21	02/08/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/08/21	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*02/05/21*	*02/08/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*02/05/21*	*02/08/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/08/21	02/09/21	
Surrogate: n-Nonane		*86.0 %*	*50-200*	*02/08/21*	*02/09/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2107015
Chloride	**22.0**	20.0	1	02/09/21	02/10/21	

Sample Data

Spur	Project Name:	Harper State #5	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

SW6 2'

E102012-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/08/21	
Toluene	ND	0.0250	1	02/05/21	02/08/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/08/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/08/21	
o-Xylene	ND	0.0250	1	02/05/21	02/08/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/08/21	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*02/05/21*	*02/08/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*02/05/21*	*02/08/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	**52.9**	50.0	1	02/08/21	02/09/21	
Surrogate: n-Nonane		*93.2 %*	*50-200*	*02/08/21*	*02/09/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2107015
Chloride	**24.0**	20.0	1	02/09/21	02/10/21	

Sample Data

Spur	Project Name:	Harper State #5	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

SW7 5'

E102012-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/08/21	
Toluene	ND	0.0250	1	02/05/21	02/08/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/08/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/08/21	
o-Xylene	ND	0.0250	1	02/05/21	02/08/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/08/21	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*02/05/21*	*02/08/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*02/05/21*	*02/08/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/08/21	02/09/21	
Surrogate: n-Nonane		*87.8 %*	*50-200*	*02/08/21*	*02/09/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2107015
Chloride	**28.6**	20.0	1	02/09/21	02/10/21	

Sample Data

Spur	Project Name:	Harper State #5	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

SW8 2'

E102012-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/08/21	
Toluene	ND	0.0250	1	02/05/21	02/08/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/08/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/08/21	
o-Xylene	ND	0.0250	1	02/05/21	02/08/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/08/21	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*02/05/21*	*02/08/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*02/05/21*	*02/08/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/08/21	02/09/21	
Surrogate: n-Nonane		*92.8 %*	*50-200*	*02/08/21*	*02/09/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2107015
Chloride	**63.7**	20.0	1	02/09/21	02/10/21	

Sample Data

Spur	Project Name:	Harper State #5	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

SW9 2'

E102012-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/09/21	
Toluene	ND	0.0250	1	02/05/21	02/09/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/09/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/09/21	
o-Xylene	ND	0.0250	1	02/05/21	02/09/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/09/21	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*02/05/21*	*02/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*02/05/21*	*02/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/08/21	02/09/21	
Surrogate: n-Nonane		*91.6 %*	*50-200*	*02/08/21*	*02/09/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2107015
Chloride	**81.7**	20.0	1	02/09/21	02/10/21	

Sample Data

Spur	Project Name:	Harper State #5	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

SW10 2'

E102012-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/09/21	
Toluene	ND	0.0250	1	02/05/21	02/09/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/09/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/09/21	
o-Xylene	ND	0.0250	1	02/05/21	02/09/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/09/21	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*02/05/21*	*02/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*02/05/21*	*02/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	**837**	125	5	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	**711**	250	5	02/08/21	02/09/21	
Surrogate: n-Nonane		*112 %*	*50-200*	*02/08/21*	*02/09/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2107015
Chloride	ND	20.0	1	02/09/21	02/10/21	

Sample Data

Spur	Project Name:	Harper State #5	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

Comp 1

E102012-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/09/21	
Toluene	ND	0.0250	1	02/05/21	02/09/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/09/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/09/21	
o-Xylene	ND	0.0250	1	02/05/21	02/09/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/09/21	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*02/05/21*	*02/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*02/05/21*	*02/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	**503**	250	10	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	**680**	500	10	02/08/21	02/09/21	
Surrogate: n-Nonane		*109 %*	*50-200*	*02/08/21*	*02/09/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2107015
Chloride	**35200**	200	10	02/09/21	02/10/21	

Sample Data

Spur	Project Name:	Harper State #5	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

Comp 2

E102012-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/09/21	
Toluene	ND	0.0250	1	02/05/21	02/09/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/09/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/09/21	
o-Xylene	ND	0.0250	1	02/05/21	02/09/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/09/21	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*02/05/21*	*02/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*02/05/21*	*02/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	**5240**	500	20	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	**3000**	1000	20	02/08/21	02/09/21	
Surrogate: n-Nonane		*117 %*	*50-200*	*02/08/21*	*02/09/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2107015
Chloride	**33300**	200	10	02/09/21	02/10/21	

Sample Data

Spur	Project Name:	Harper State #5	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

Comp 3

E102012-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/09/21	
Toluene	ND	0.0250	1	02/05/21	02/09/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/09/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/09/21	
o-Xylene	ND	0.0250	1	02/05/21	02/09/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/09/21	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*02/05/21*	*02/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*02/05/21*	*02/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	**5990**	500	20	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	**3880**	1000	20	02/08/21	02/09/21	
Surrogate: n-Nonane		*112 %*	*50-200*	*02/08/21*	*02/09/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2107015
Chloride	**20200**	100	5	02/09/21	02/10/21	

Sample Data

Spur	Project Name:	Harper State #5	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

Comp 4

E102012-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/09/21	
Toluene	ND	0.0250	1	02/05/21	02/09/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/09/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/09/21	
o-Xylene	ND	0.0250	1	02/05/21	02/09/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/09/21	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*02/05/21*	*02/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*02/05/21*	*02/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	**1760**	250	10	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	**1350**	500	10	02/08/21	02/09/21	
Surrogate: n-Nonane		*110 %*	*50-200*	*02/08/21*	*02/09/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2107015
Chloride	**13800**	100	5	02/09/21	02/10/21	

Sample Data

Spur	Project Name:	Harper State #5	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

Comp 5

E102012-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/09/21	
Toluene	ND	0.0250	1	02/05/21	02/09/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/09/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/09/21	
o-Xylene	ND	0.0250	1	02/05/21	02/09/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/09/21	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*02/05/21*	*02/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*02/05/21*	*02/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	**2320**	500	20	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	**2080**	1000	20	02/08/21	02/09/21	
Surrogate: n-Nonane		*114 %*	*50-200*	*02/08/21*	*02/09/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2107015
Chloride	**29700**	200	10	02/09/21	02/10/21	

Sample Data

Spur	Project Name:	Harper State #5	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

Comp 6

E102012-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/09/21	
Toluene	ND	0.0250	1	02/05/21	02/09/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/09/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/09/21	
o-Xylene	ND	0.0250	1	02/05/21	02/09/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/09/21	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*02/05/21*	*02/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*02/05/21*	*02/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	**9070**	2500	100	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	**6660**	5000	100	02/08/21	02/09/21	
Surrogate: n-Nonane		*161 %*	*50-200*	*02/08/21*	*02/09/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2107015
Chloride	**32800**	200	10	02/09/21	02/10/21	

Sample Data

Spur	Project Name:	Harper State #5	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

Comp 7

E102012-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/09/21	
Toluene	ND	0.0250	1	02/05/21	02/09/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/09/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/09/21	
o-Xylene	ND	0.0250	1	02/05/21	02/09/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/09/21	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*02/05/21*	*02/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*02/05/21*	*02/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	**3800**	250	10	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	**2660**	500	10	02/08/21	02/09/21	
Surrogate: n-Nonane		*112 %*	*50-200*	*02/08/21*	*02/09/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2107015
Chloride	**17100**	100	5	02/09/21	02/10/21	

Sample Data

Spur	Project Name:	Harper State #5	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

Comp 8

E102012-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/09/21	
Toluene	ND	0.0250	1	02/05/21	02/09/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/09/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/09/21	
o-Xylene	ND	0.0250	1	02/05/21	02/09/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/09/21	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*02/05/21*	*02/09/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*70-130*	*02/05/21*	*02/09/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	**983**	125	5	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	**925**	250	5	02/08/21	02/09/21	
Surrogate: n-Nonane		*111 %*	*50-200*	*02/08/21*	*02/09/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2107015
Chloride	**18100**	100	5	02/09/21	02/10/21	

QC Summary Data

Spur	Project Name:	Harper State #5	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2106040-BLK1)									Prepared: 02/05/21 Analyzed: 02/09/21
Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.80*		*8.00*		*97.5*	*70-130*			
LCS (2106040-BS1)									Prepared: 02/05/21 Analyzed: 02/08/21
Benzene	4.82	0.0250	5.00		96.4	70-130			
Toluene	4.98	0.0250	5.00		99.6	70-130			
Ethylbenzene	4.79	0.0250	5.00		95.9	70-130			
p,m-Xylene	9.78	0.0500	10.0		97.8	70-130			
o-Xylene	4.97	0.0250	5.00		99.3	70-130			
Total Xylenes	14.7	0.0250	15.0		98.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.03*		*8.00*		*100*	*70-130*			
Matrix Spike (2106040-MS1)				**Source: E102012-01**					Prepared: 02/05/21 Analyzed: 02/08/21
Benzene	4.92	0.0250	5.00	ND	98.4	54-133			
Toluene	5.09	0.0250	5.00	ND	102	61-130			
Ethylbenzene	4.89	0.0250	5.00	ND	97.9	61-133			
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	63-131			
o-Xylene	5.07	0.0250	5.00	ND	101	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.15*		*8.00*		*102*	*70-130*			
Matrix Spike Dup (2106040-MSD1)				**Source: E102012-01**					Prepared: 02/05/21 Analyzed: 02/08/21
Benzene	4.96	0.0250	5.00	ND	99.2	54-133	0.873	20	
Toluene	5.11	0.0250	5.00	ND	102	61-130	0.479	20	
Ethylbenzene	4.93	0.0250	5.00	ND	98.5	61-133	0.664	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	0.572	20	
o-Xylene	5.10	0.0250	5.00	ND	102	63-131	0.592	20	
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131	0.579	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.21*		*8.00*		*103*	*70-130*			

QC Summary Data

Spur	Project Name:	Harper State #5	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2106040-BLK1)									Prepared: 02/05/21 Analyzed: 02/09/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.59*		*8.00*		*94.9*	*70-130*			
LCS (2106040-BS2)									Prepared: 02/05/21 Analyzed: 02/08/21
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0		93.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.64*		*8.00*		*95.5*	*70-130*			
Matrix Spike (2106040-MS2)				**Source: E102012-01**					Prepared: 02/05/21 Analyzed: 02/08/21
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.68*		*8.00*		*96.0*	*70-130*			
Matrix Spike Dup (2106040-MSD2)				**Source: E102012-01**					Prepared: 02/05/21 Analyzed: 02/08/21
Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	ND	95.3	70-130	1.56	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.76*		*8.00*		*97.0*	*70-130*			

QC Summary Data

Spur	Project Name:	Harper State #5	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2107003-BLK1)									Prepared: 02/08/21 Analyzed: 02/08/21
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	*46.7*		*50.0*		*93.4*	*50-200*			
LCS (2107003-BS1)									Prepared: 02/08/21 Analyzed: 02/08/21
Diesel Range Organics (C10-C28)	479	25.0	500		95.7	38-132			
Surrogate: n-Nonane	*42.7*		*50.0*		*85.3*	*50-200*			
Matrix Spike (2107003-MS1)				**Source: E102012-07**					Prepared: 02/08/21 Analyzed: 02/08/21
Diesel Range Organics (C10-C28)	512	25.0	500	ND	102	38-132			
Surrogate: n-Nonane	*42.9*		*50.0*		*85.8*	*50-200*			
Matrix Spike Dup (2107003-MSD1)				**Source: E102012-07**					Prepared: 02/08/21 Analyzed: 02/08/21
Diesel Range Organics (C10-C28)	518	25.0	500	ND	104	38-132	1.20	20	
Surrogate: n-Nonane	*44.7*		*50.0*		*89.3*	*50-200*			

QC Summary Data

Spur	Project Name:	Harper State #5	**Reported:**
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	2/11/2021 1:09:31PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2107015-BLK1)									Prepared: 02/09/21 Analyzed: 02/10/21
Chloride	ND	20.0							
LCS (2107015-BS1)									Prepared: 02/09/21 Analyzed: 02/10/21
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2107015-MS1)				**Source: E102012-01**					Prepared: 02/09/21 Analyzed: 02/10/21
Chloride	522	20.0	250	283	95.5	80-120			
Matrix Spike Dup (2107015-MSD1)				**Source: E102012-01**					Prepared: 02/09/21 Analyzed: 02/10/21
Chloride	523	20.0	250	283	96.0	80-120	0.243	20	

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

Definitions and Notes

Spur	Project Name:	Harper State #5	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Natalie Gladden	02/11/21 13:09

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information | Chain of Custody | Page 1 of 2

standard

Client:	Spur
Project:	Harper state #5
Project Manager:	Brandy Maulder/Natalie
Address:	
City, State, Zip	
Phone:	
Email:	Natalie Gladden
Report due by:	

Bill To

Attention:	ESS
Address:	7 W Compress Rd
City, State, Zip	Artesia, NM
Phone:	
Email:	Natalie Gladden

Lab Use Only

Lab WO# PE102012 | Job Number 20046-0001

AM 2/5/21

TAT: 1D X | 3D

EPA Program: RCRA | CWA | SDWA

State: NM X | 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
7:38	2/3	S	1	SW1 2'	1									X				
10:08	2/3	S	1	SW2 7'	2									/				
10:50	2/3	S	1	SW3 7'	3									/				
11:13	2/3	S	1	SW4 2'	4									/				
11:35	2/3	S	1	SW5 4'	5									/				
12:05	2/3	S	1	SW6 2'	6									/				
9:05	2/3	S	1	SW7 5'	7									/				
8:52	2/3	S	1	SW8 2'	8									/				
8:20	2/3	S	1	SW9 2'	9									/				
7:55	2/3	S	1	SW10 2'	10									/				

Additional Instructions:

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

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
	2/4/21	1:00		2.4.21	1300
	2.4.21	1640		2/5/21	10:20
	Date	Time		Date	Time

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) 3[illegible]
Ph (505) 632-1881 Fx (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com

Project Information | Chain of Custody | Page 2 of 2

Client:	Spur
Project:	Harper state #5
Project Manager:	Brady Moulder
Address:	
City, State, Zip	
Phone:	
Email:	Natalie Gladden
Report due by:	

Bill To

Attention:	ESS
Address:	7 W Compress Rd
City, State, Zip	Artesia, NM
Phone:	
Email:	Natalie Gladden

Lab Use Only

Lab WO# E 102012 | Job Number 2004000001

TAT: 1D | 2D | 3D | Standard ✓

EPA Program: CWA | SDWA | RCRA

State: NM ✓ | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of 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
	2/3	S	1	Comp 1	11									X				
	2/3	S	1	Comp 2	12									✓				
	2/3	S	1	Comp 3	13									✓				
	2/3	S	1	Comp 4	14									✓				
	2/3	S	1	Comp 5	15									✓				
	2/3	S	1	Comp 6	16									✓				
	2/3	S	1	Comp 7	17									✓				
	2/3	S	1	Comp 8	18									✓				

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: Juan Talavera

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
	2/4/21			2.4.21	1500
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2.4.21	1640		2/5/21	10:20
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Envirotech Analytical Laboratory

Printed: 2/5/2021 10:58:44AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Spur	Date Received:	02/05/21 00:00	Work Order ID:	E102012
Phone:	(575) 390-6397	Date Logged In:	02/04/21 13:25	Logged In By:	Alexa Michaels
Email:	ngladden@energystaffingllc.com	Due Date:	02/11/21 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: FedEx
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

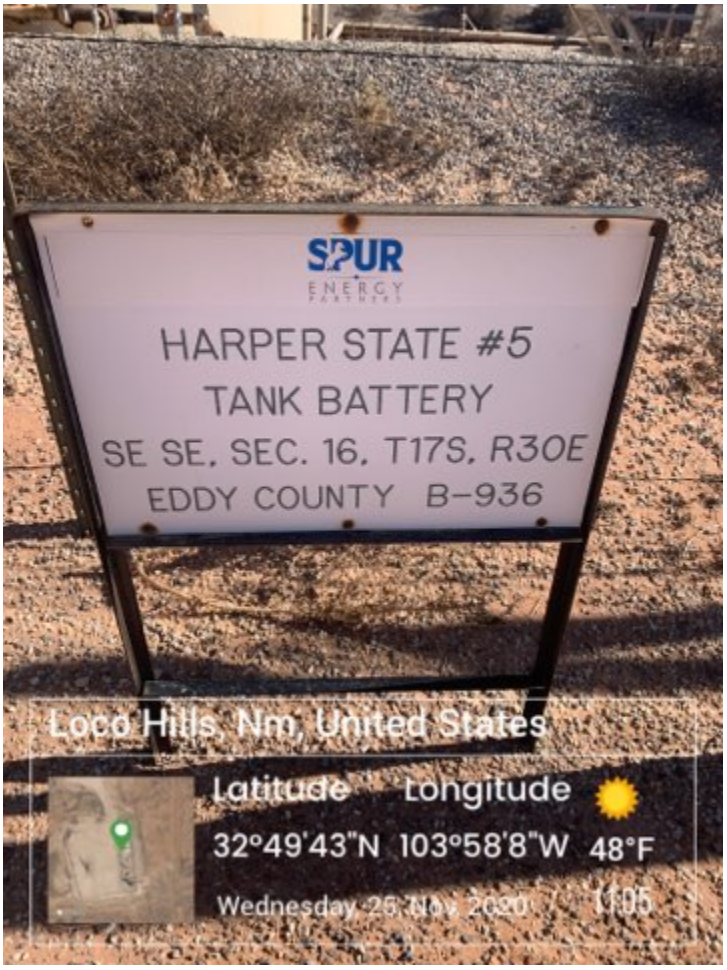
Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

HARPER STATE REMEDIATION AND FINAL SITE PHOTOS

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°,T
±13 SW201
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free version of
GPS Camera 55
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Loco Hills, NM 88255, United States 03-Feb-21 13:29:47


Artesia, New Mexico, United States
Artesia, NM 88210, USA
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-103° 58' 8.5872"
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165° S
36.0 µT
Google


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Artesia, NM 88210, USA
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-103° 58' 8.5728"
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Google


Artesia, New Mexico, United States
1000 Lovington Hwy, Artesia, NM 88210,
USA
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Google


Artesia, New Mexico, United States
Artesia, NM 88210, USA
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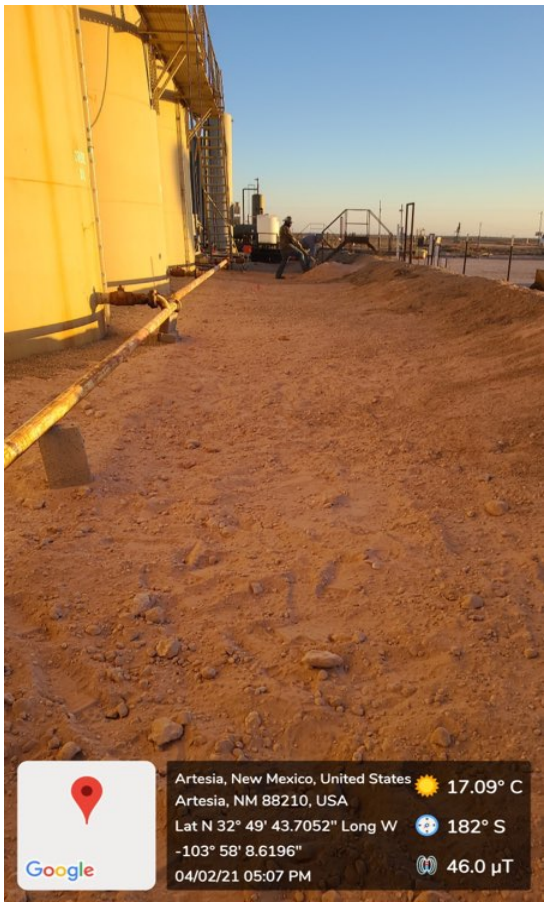
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Google

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

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

Signature: Natalie Gladden Date: 4/15/21

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: 4/15/21

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: 4/15/21

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 5

State of New Mexico
Oil Conservation Division

Incident ID	NRM2034254162
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: 4/15/21

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

OCD Only

Received by: Robert Hamlet Date: 8/11/2021

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

Signature: Robert Hamlet Date: 8/11/2021

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

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

CONDITIONS

Action 24199

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 24199
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	Spur Energy requests to complete final remediation of soil sample locations “SP1” through “SP18” and all contaminants adjacent to and/or underneath the on-site storage tanks and/or associated pipes and appurtenances during any future major deconstruction/alteration and/or abandonment, whichever occurs first. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue. This is a State site and will require like approval from SLO.	8/11/2021