



**SAM ADAMS 12 FEDERAL COM UBB #004H BATTERY
CLOSURE REPORT**

**API NO. 30-015-41618
U/L E, S12, T17S, R39E
EDDY COUNTY**

**RELEASE DATE: 6/18/2020
INCIDENT ID: NRM2017752399**

March 3, 2021

PREPARED BY:



**#7 COMPRESS ROAD
ARTESIA, NM 88210**

March 3, 2021

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

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

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

Subject: Closure Report for Spur Energy Partners – Sam Adams 12 Federal Com UBB #004H Battery

API No. 30-015-41618
Incident ID: NRM2017752399
U/L E, Section 12, Township 17S, Range 29E
Eddy County, New Mexico

To Whom it May Concern:

Spur Energy Partners retained Energy Staffing Services, LLC (ESS) to conduct a spill assessment, and remediation for the produced water release that occurred on the Sam Adams 12 Federal Com UBB #004 Tank Battery (hereafter referred to as "Sam Adams"). Spur Energy provided the immediate notification of the release to the New Mexico Oil Conservation Division (NMOCD) District II and the Bureau of Land Management (BLM), landowner, via email on June 19th, 2020. On behalf of Spur Energy Partners, ESS submitted the initial C141 Release Notification (attached) on June 24, 2020. The NMOCD incident ID number assigned is NRM2017752399.

This report provides a detailed description of the spill assessment and remedial activities, and demonstrates that closure criteria that 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 and BLM for closure of this release.

Incident Description

On June 18th, 2020, a release occurred at Spur's Sam Adams site when a site glass broke on the production heater. The incident resulted in a release of 23bbls of produced water into the lined containment. A vacuum truck was dispatched to the location to recover any standing fluid; approximately 22.5bbls of produced water was recovered. The spill was contained within the boundaries of the lined containment. No produced water was released into undisturbed areas or waterways.

Site Characterization

The release at the Sam Adams occurred on federally-owned pad land, N 32.8500671, W - 104.0361099, approximately 3.43 northeast of Loco Hills, New Mexico. The legal description for the site is Unit E, Section 12, Township 17 South, Range 29 East, in Eddy County New Mexico. A site schematic is included in this report.

The Sam Adams Facility consists of oil and gas production equipment, a tank battery and a nearby Oil and Gas exploration and production well-pad. The elevation of the site sits at approximately 3,647. This area historically, have been dominated by black grama, bluestem, dropseed, rabo de ardilla and miscellaneous perennial grasses.

The United States Department of Agriculture Natural Resources Conservation Service indicates that the soil type found in the area consists of 100% Pajarito loamy fine sand. With a zero to three percent slope. Please find the Soil Map attached herein. This area receives an annual precipitation of 5 to 15". The surrounding landscape setting is that of dunes, interdunes and plains, with the typical profile of loamy fine sand and fine sandy loam.

There is a medium potential for Karst Geology to be present near the Sam Adams according to the United States Department of the Interior, Bureau of Land Management. Please find the Karst Map attached.

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

The nearest recent well to the site according to the *New Mexico Office of the State Engineer* is the RA 11807 POD1, which is 4498' from the site and was drilled in 2012. Please find the ground water data attached herein. An extended groundwater search from the *OSE POD Location Map* was performed and no ground water was found within a ½ of a mile from the Sam Adams. Please see the ground water data included in this report.

Closure Criteria Determination

The Closure Criteria for Soils impacted by a Release is shown below, based on no groundwater data being located within a ½ a mile, the site being on Federal Land and of “medium karst” determination, the Sam Adam site falls under the <50 depth to groundwater.

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

Remedial Actions

On June 19th, 2020, Spur Energy Partners contracted ESS to complete a full site assessment of the release that occurred on the Sam Adams and ESS responded on the same day. Initial site photos were obtained (and area attached). All of the fluid had been removed from the lined containment and no visible signs of liner breaching had occurred.

On July 8th, ESS conducted a power-wash protocol of the lined containment. Due to heavy rain in the area, we were unable to wash the liner to complete the initial liner inspection. On September 9th, of 2020 an email was sent to the NMOCD to request witnessing of the liner inspection, sampling under the liner and patching the compromised liner. Please see email to the NMOCD which is attached herein, as well as the photos of the liner patching and sampling event.

Due to conflicting scheduling events, the liner sampling and patching event did not occur until October 8th, 2020. Liner crews arrived at the site and prepped the areas where small punctures were found. A 1'x1' area was cut in three areas and delineation of the site began. The samples were gathered by use of hand auger and was sampled using 1' intervals. ESS collected a total of three vertical sample points and field tested for chlorides utilizing the titration method. Samples were placed into a laboratory-provided container, preserved on ice and submitted to Envirotech Laboratories for confirmation.

Laboratory analyses included Method 300/9056A for chlorides, Method 8021B for Volatile Organics (BTEX) and Method 8015D for TPH which included MRO/DRO and GRO. Confirmatory sample analytical data is summarized in the below chart as well as attached herein. Laboratory data reports for final analysis and chain of custody forms are included.

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	SURF	80							
	1'	60							
	2'	58							
	3'	50		ND	ND	ND	ND	ND	49.4
SP2	SURF	100							
	1'	80							
	2'	80							
	3'	60		ND	ND	ND	ND	ND	58.8
SP3	SURF	60							
	1'	40							
	2'	40							
	3'	20		ND	ND	ND	ND	ND	ND

A Geo 7000 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.

The holes in the liner that was used to sample the soil under the liner was primed, patched and sprayed with polyurethane. Any and all of the small punctures, gashes, splits or worn areas were also patched using the same method. Please see photo page attached.

Closure Request

ESS recommends no additional actions are needed to address the environmental release at the Sam Adams 12 Federal Com UBB #4H. The attached laboratory analysis of the final confirmation samples showed no concern of any contamination being present under the liner. With the liner patch the integrity of the liner is no longer in question and will protect any soils from impact if a future release was to occur.

ESS requests that this incident (NRM2017752399) be closed as closure requirements have been met. Spur Energy Partners and Energy Staffing Services certifies that all 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 Sam Adams site.

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 C141
- Spill Notification Email
- Site Map
- Soil Map
- Karst Map
- Groundwater Data
- Groundwater Map
- OSE POD Map
- Initial Site Photos
- Power-washing Photos
- Liner Inspection Email
- Liner Patch and Delineation Photos
- Sample Data
- Laboratory Analysis
- Sample Map
- Final C141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party SPUR ENERGY PARTNERS	OGRID 328947
Contact Name KENNY KIDD	Contact Telephone 575-616-5400
Contact email kkidd@spurepllc.com	Incident # (assigned by OCD)
Contact mailing address 919 MILAM STREET SUITE 2475 HOUSTON, TX 77002	

Location of Release Source

Latitude **32.8500671**Longitude **-104.0361099**

(NAD 83 in decimal degrees to 5 decimal places)

Site Name SAM ADAMS 12 FEDERAL COM UBB #004H TB	Site Type PRODUCTION
Date Release Discovered 6/18/2020	API# (if applicable) 30-015-41618

Unit Letter	Section	Township	Range	County
E	12	17S	29E	EDDY

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 23BBLS	Volume Recovered (bbls) 22.5BBLS
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The site glass broke on the production heater. Releasing the fluid inside a lined containment.

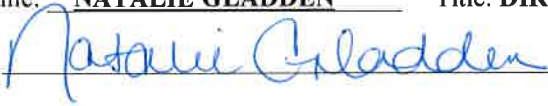
State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? AN EMAIL WAS SENT TO NMOCD ON 5/25/2020 AT 11:36AM.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: NATALIE GLADDEN	Title: DIRECTOR OF ENVIRONMENTAL AND REGULATORY SERVICES
Signature: 	Date: 6/24/2020
email: natalie@energystaffingllc.com	Telephone: 575-390-6397
OCD Only Received by: _____ Date: _____	

natalie@energystaffingllc.com

From: Kenny Kidd <kkidd@spurepllc.com>
Sent: Friday, June 19, 2020 11:42 AM
To: natalie@energystaffingllc.com
Cc: Jerry Mathews; Braidy Moulder
Subject: RE: SAM ADAMS 12 FEDERAL COM UBB #004H Battery

Great! Thank you.

Thanks,

Kenny Kidd
Assistant Production Superintendent
Office 575-616-5400
Cell 575-703-5851
Cell 575-390-9254
kkidd@spurepllc.com



From: natalie@energystaffingllc.com <natalie@energystaffingllc.com>
Sent: Friday, June 19, 2020 11:40 AM
To: Kenny Kidd <kkidd@spurepllc.com>
Cc: Jerry Mathews <jmathews@spurepllc.com>; Braidy Moulder <boulder@spurepllc.com>
Subject: RE: SAM ADAMS 12 FEDERAL COM UBB #004H Battery

[EXTERNAL]

Dakota is in the area I will have him do the site assessment and we will get you taken care of.

Thank you so much! Have a wonderful Friday.

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



From: Kenny Kidd <kkidd@spurepllc.com>
Sent: Friday, June 19, 2020 11:37 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>; Marilyn Roemisch <mroemisch@spurepllc.com>; natalie@energystaffingllc.com
Subject: SAM ADAMS 12 FEDERAL COM UBB #004H Battery

June 18, 2020, at around 10:30 A.M.

We had a leak on the SAM ADAMS 12 FEDERAL COM UBB #004H Battery.

A sight glass broke on the production heater.

Releasing estimated 23 bbls fluid, inside a lined containment.

Estimated 22.5 bbls recovered.

We will have ESS environmental company coming out to assess this spill.

If you have any question please give me a call.

SAM ADAMS 12 FEDERAL COM UBB #004H

Sec. E-12-17S-29E 2310 FNL 230 FWL

Lat/Long: 32.8500671,-104.0361099 NAD83

API 30-015-41618

Thanks,

Kenny Kidd

Assistant Production Superintendent

Office 575-616-5400

Cell 575-390-9254



Disclaimer

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SPUR ENERGY PARTNERS

SAM ADAMS 12 FEDERAL COM UBB #004H BATTERY
SITE MAP
DOR: 6/18/2020

Legend



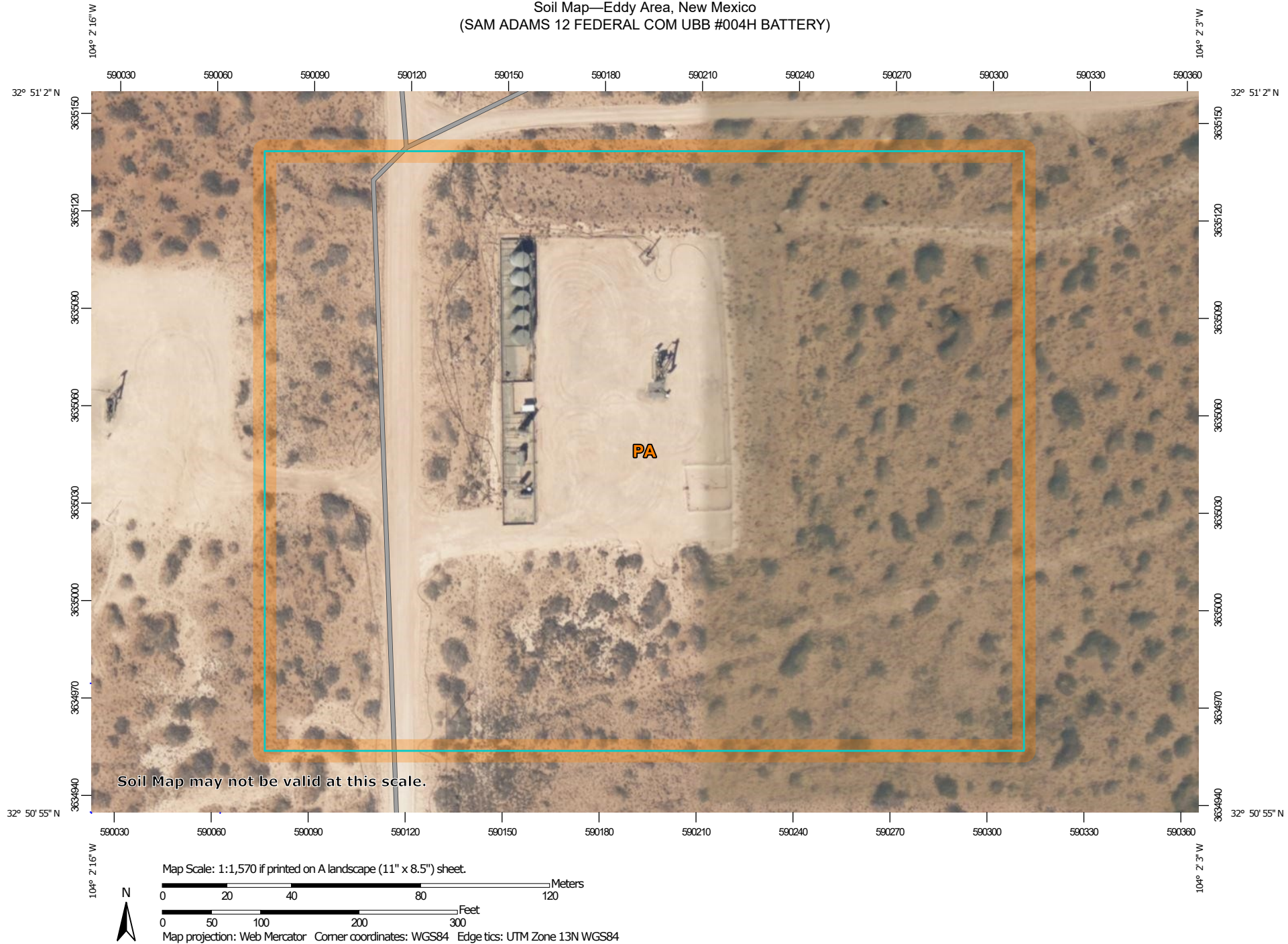
SAM ADAMS 12 FEDERAL COM UBB #004H BATTERY

SAM ADAMS 12 FEDERAL COM UBB #004H BATTERY



200 ft

Soil Map—Eddy Area, New Mexico
(SAM ADAMS 12 FEDERAL COM UBB #004H BATTERY)



Natural Resources
Conservation Service


Web Soil Survey
National Cooperative Soil Survey

3/3/2021
Page 1 of 3

Soil Map—Eddy Area, New Mexico
(SAM ADAMS 12 FEDERAL COM UBB #004H 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.



Soil Map—Eddy Area, New Mexico

SAM ADAMS 12 FEDERAL COM
UBB #004H BATTERY

Map Unit Legend


Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PA	Pajarito loamy fine sand, 0 to 3 percent slopes, eroded	10.8	100.0%
Totals for Area of Interest		10.8	100.0%

SPUR ENERGY PARTNERS

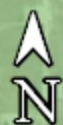
SAM ADAMS 12 FEDERAL COM UBB #004H BATTERY
KARST MAP
DOR: 6/18/2020

Legend

-  Critical
-  High
-  Low
-  Medium

 SAM ADAMS 12 FEDERAL COM UBB #004H BATTERY

SAM ADAMS 12 FEDERAL COM UBB #004H BATTERY





New Mexico Office of the State Engineer

Wells with Well Log Information

No wells found.

UTMNAD83 Radius Search (in meters):

Easting (X): 590196.25

Northing (Y): 3635077.12

Radius: 1000

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

6/25/20 7:27 AM

WELLS WITH WELL LOG INFORMATION



New Mexico Office of the State Engineer

Wells with Well Log Information

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(in feet)

		POD		q q q										Log File	Depth	Depth			License		
POD Number	Code	Subbasin	County	Source	6416	4	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Date	Well	Water	Driller	Number		
RA 11807 POD1		RA	ED	Shallow	1	2	3	22	17S	29E	587360	3631585		4498	11/23/2012	11/26/2012	03/26/2013	131	76	TAYLOR, CLINTON E.	1348

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 590196.25

Northing (Y): 3635077.12

Radius: 5000

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

6/25/20 7:28 AM

WELLS WITH WELL LOG INFORMATION



New Mexico Office of the State Engineer

Wells with Well Log Information

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(R=POD has
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(quarters are smallest to largest)

(NAD83 UTM in meters)

(in feet)

POD Number	Code	POD		Source	q q q					X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number		
		Subbasin	County		6416 4	Sec	Tws	Rng													
RA 11807 POD1		RA	ED	Shallow	1	2	3	22	17S	29E	587360	3631585		4498	11/23/2012	11/26/2012	03/26/2013	131	76	TAYLOR, CLINTON E.	1348
RA 11914 POD1		RA	ED	Shallow	2	4	2	20	17S	30E	594801	3632002		5537	03/19/2013	03/19/2013	04/09/2013	85	80	JOHN NORRIS	1682
RA 09342		RA	ED	Shallow	4	4	3	19	16S	29E	582737	3640640*		9305	05/02/1998	05/03/1998	05/08/1998	220	110	DELFORD MARTIN	1064
RA 12307 POD1		RA	ED	Shallow	4	2	2	14	17S	28E	580495	3633981		9763	09/28/2015	09/30/2015	10/07/2015	140	58	CLINTON KEY	1058

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 590196.25

Northing (Y): 3635077.12

Radius: 10000

*UTM location was derived from PLSS - see Help

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

6/25/20 7:28 AM

WELLS WITH WELL LOG INFORMATION



New Mexico Office of the State Engineer

Point of Diversion Summary

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

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

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

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

Casing Perforations:	Top	Bottom
	91	131



New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
RA 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

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

6/25/20 7:30 AM

Page 1 of 1

POD SUMMARY - RA 11914 POD1



New Mexico Office of the State Engineer

Point of Diversion Summary

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

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

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

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

Casing Perforations:	Top	Bottom
	120	140

SPUR ENERGY PARTNERS

SAM ADAMS 12 FEDERAL COM UBB #4H BATTERY
GROUND WATER MAP

Legend

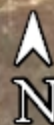
- RA 09342-9305" FR SITE-110'DGW-DRILLED IN 1998
- RA 11807 POD1 -4498' FR SITE-76'DGW DRILLED 2012
- RA 11914 POD1-5537' FROM SITE-80'DGW-DRILLED 2013
- SAM ADAMS 12 FEDERAL COM UBB #004H BATTERY

RA 09342-9305" FR SITE-110'DGW-DRILLED IN 1998

SAM ADAMS 12 FEDERAL COM UBB #004H BATTERY

RA 11807 POD1 -4498' FR SITE-76'DGW DRILLED 2012 RA 11914 POD1-5537' FROM SITE-80'DGW-DRILLED 2013

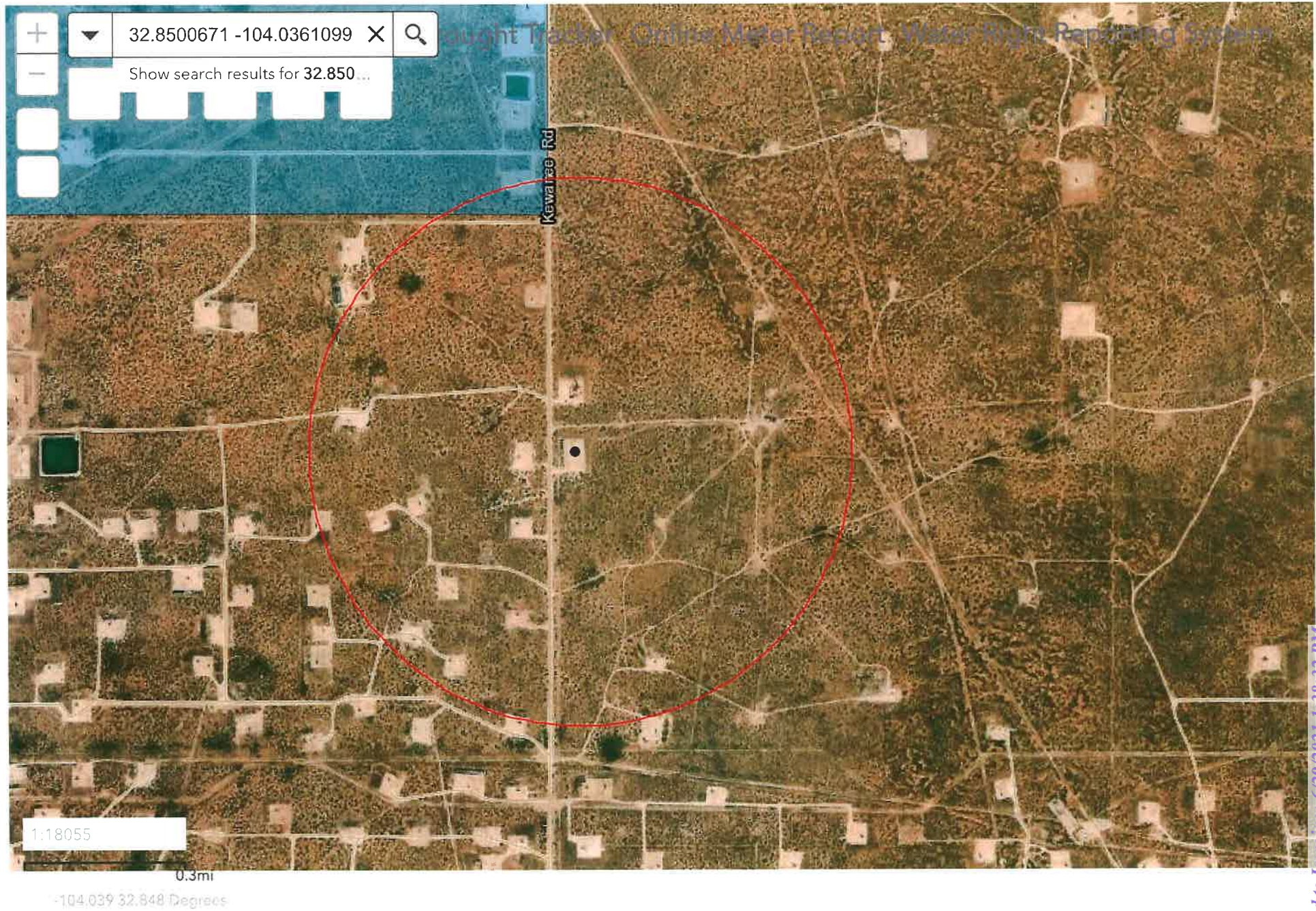
Loco Hills





OSE POD Locations

Points of Diversion visible at 1:19,000 with 1,000 features per view

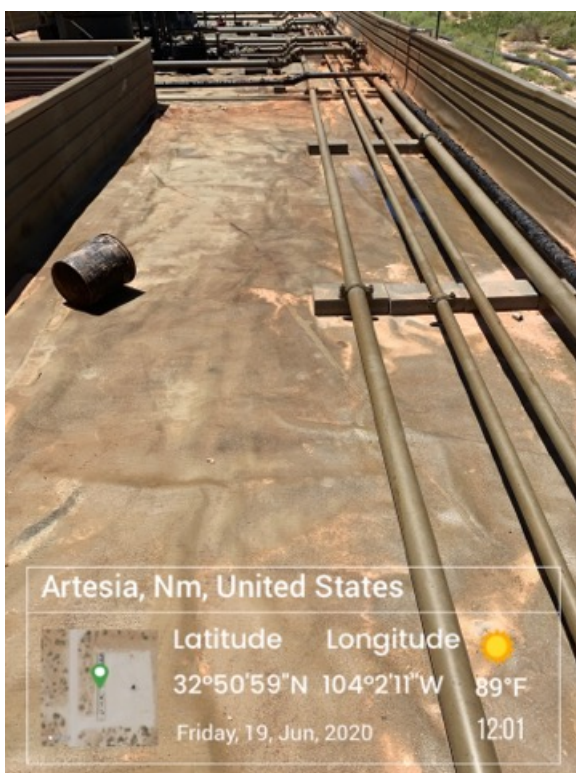
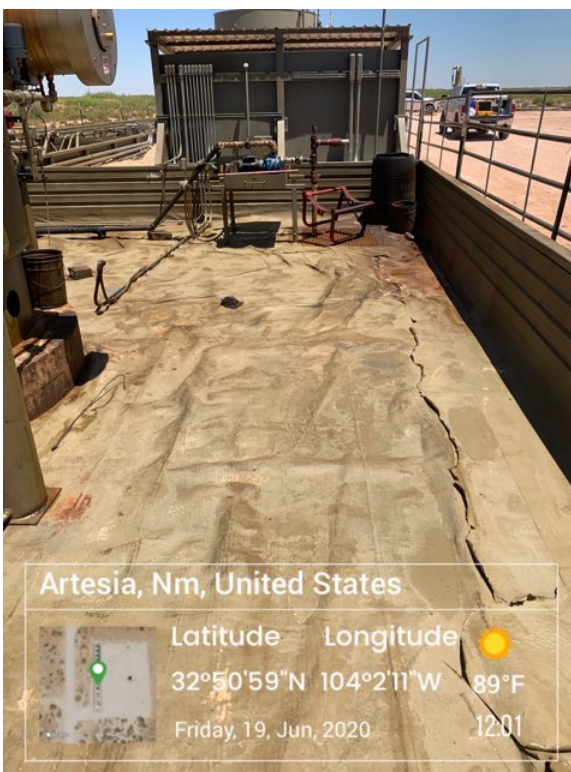
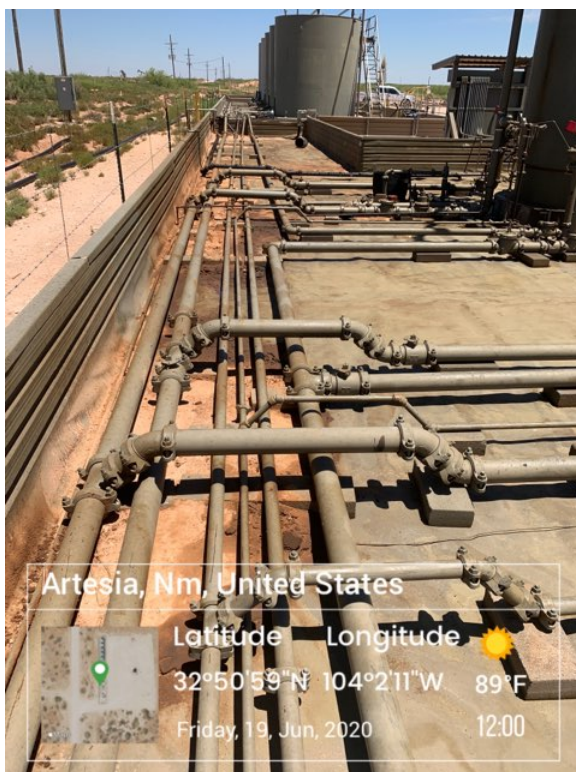


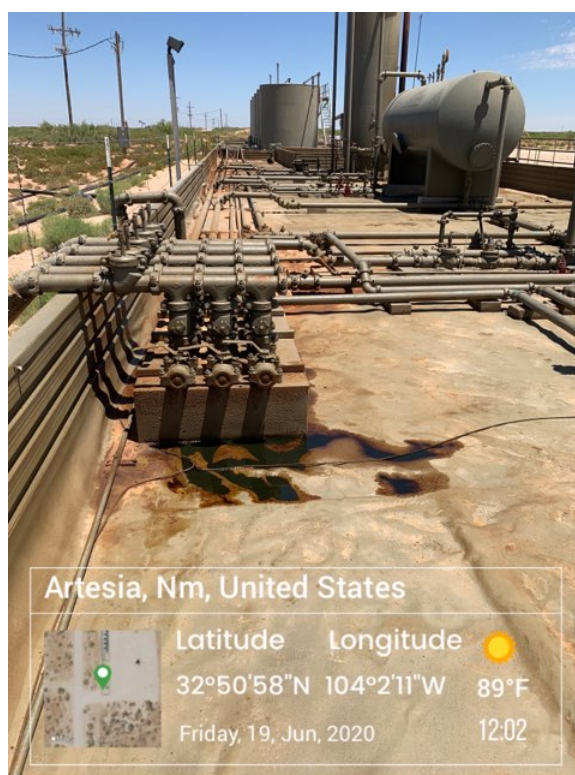
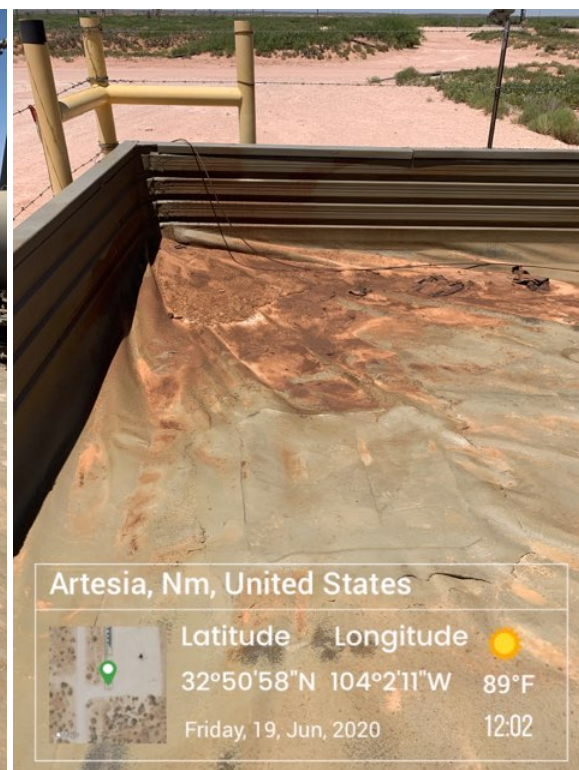
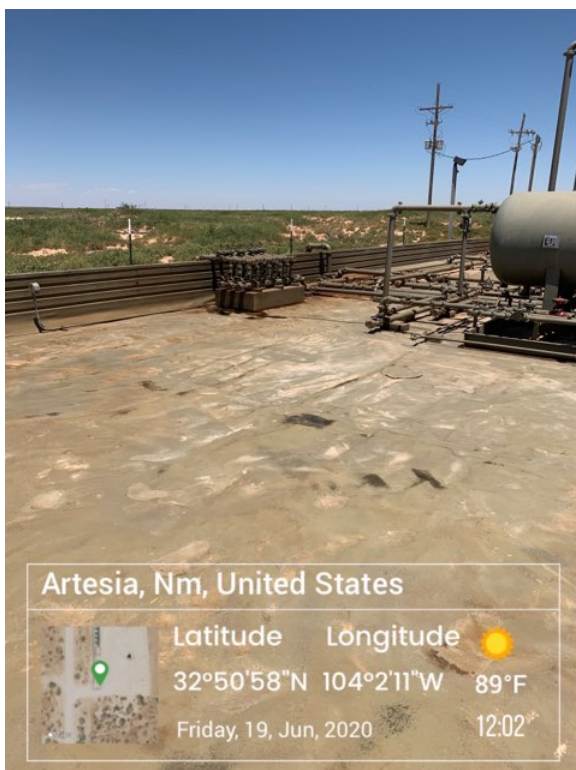
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**SAM ADAMS 12 FEDERAL COM UBB #004H BATTERY
INITIAL PHOTOS**









**SAM ADAMS 12 FEDERAL COM UBB #004H BATTERY
POWER WASHING PHOTOS**





natalie@energystaffingllc.com

From: natalie@energystaffingllc.com
Sent: Friday, September 4, 2020 10:05 AM
To: 'Bratcher, Mike, EMNRD'; 'Hamlet, Robert, EMNRD'; 'Venegas, Victoria, EMNRD'; 'Eads, Cristina, EMNRD'; 'CFO_Spill, BLM_NM'; 'JAMOS@BLM.GOV'
Cc: 'Braidy Moulder'; 'Dakoatah Montanez'
Subject: SPUR - Sam Adams 12 Federal Com UBB #004

Importance: High

Tracking:	Recipient	Read
	'Bratcher, Mike, EMNRD'	
	'Hamlet, Robert, EMNRD'	
	'Venegas, Victoria, EMNRD'	
	'Eads, Cristina, EMNRD'	
	'CFO_Spill, BLM_NM'	
	'JAMOS@BLM.GOV'	
	'Braidy Moulder'	
	'Dakoatah Montanez'	
	Braidy Moulder	Read: 9/4/2020 10:22 AM

All,

ESS will be out Wednesday to sample under the liner for the above referenced location. Delineation will be conducted due to the compromised liner. If you would like to witness this event, please contact me for scheduling.

DOR: 6/18/2020

Thank you advance,

Natalie Gladden

Director Of Environmental and Regulatory Services

Energy Staffing Services, LLC.

#7 Compress Rd

Artesia, NM 88210

Cell: 575-390-6397

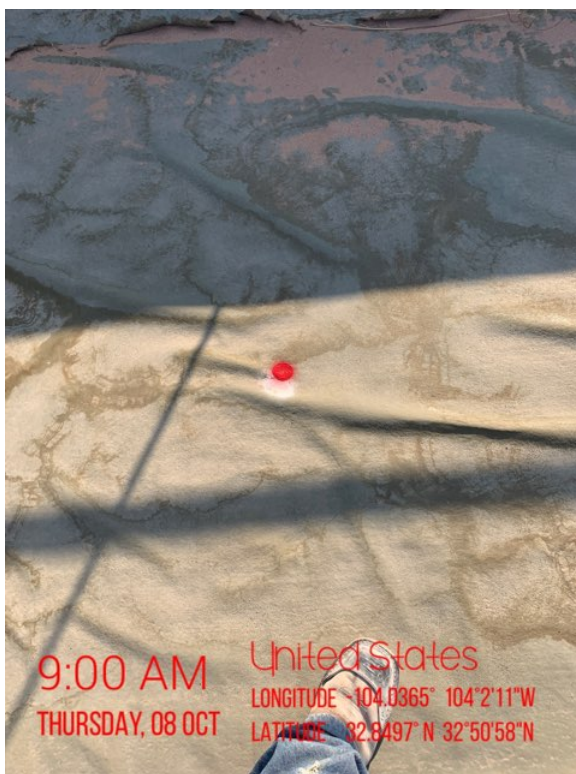
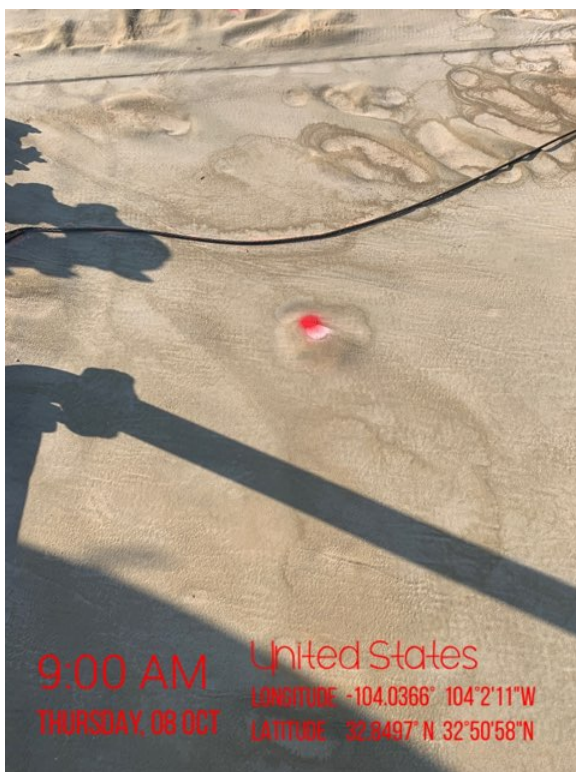
Email: natalie@energystaffingllc.com





**SAM ADAMS 12 FEDERAL COM UBB #004H BATTERY
LINER PATCHING PHOTOS**











Company Name: SPUR ENERGY Location Name: SAM ADAMS 12 FED UBB Release Date: 6/18/2020
#004H

SP ID	Depth	Tit	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
SP1	SURF	80									
	1'	60									
	2'	58									
	3'	50		ND	ND	ND	ND	ND	49.4		

SP2	SURF	100									
	1'	80									
	2'	80									
	3'	60		ND	ND	ND	ND	ND	58.8		

SP3	SURF	60									
	1'	40									
	2'	40									
	3'	20		ND	ND	ND	ND	ND	ND		

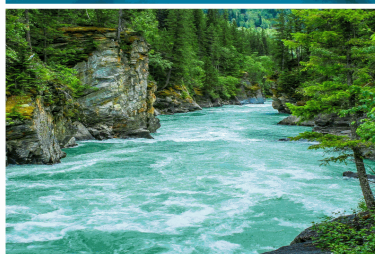
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Report to:

Natalie Gladden

PO Box 1058

Hobbs, NM 88240



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Spur

Project Name: Sam Adams 12 Fed Com UBB
#4H
Work Order: E010036
Job Number: 20046-0001
Received: 10/9/2020

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/14/20

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM009792018-1 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 10/14/20

Natalie Gladden
PO Box 1058
Hobbs, NM 88240



Project Name: Sam Adams 12 Fed Com UBB #4H
Workorder: E010036
Date Received: 10/9/2020 9:30:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/9/2020 9:30:00AM, under the Project Name: Sam Adams 12 Fed Com UBB #4H.

The analytical test results summarized in this report with the Project Name: Sam Adams 12 Fed Com UBB #4H 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 regarding 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 Lopez
Laboratory Administrator
Office: 505-632-1881
rlopez@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Spur	Project Name:	Sam Adams 12 Fed Com UBB #4H	Reported: 10/14/20 09:23
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1 3'	E010036-01A	Soil	10/08/20	10/09/20	Glass Jar, 4 oz.
SP2 3'	E010036-02A	Soil	10/08/20	10/09/20	Glass Jar, 4 oz.
SP3 3'	E010036-03A	Soil	10/08/20	10/09/20	Glass Jar, 4 oz.



Sample Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: Sam Adams 12 Fed Com UBB #4H Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 10/14/2020 9:23:49AM
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SP1 3'

E010036-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2042003	
Benzene	ND	0.0250	1	10/12/20	10/12/20	
Toluene	ND	0.0250	1	10/12/20	10/12/20	
Ethylbenzene	ND	0.0250	1	10/12/20	10/12/20	
p,m-Xylene	ND	0.0500	1	10/12/20	10/12/20	
o-Xylene	ND	0.0250	1	10/12/20	10/12/20	
Total Xylenes	ND	0.0250	1	10/12/20	10/12/20	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		10/12/20	10/12/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2042003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/12/20	10/12/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	84.3 %	70-130		10/12/20	10/12/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AY		Batch: 2042007	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/20	10/13/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/13/20	10/13/20	
Surrogate: n-Nonane	95.7 %	50-200		10/13/20	10/13/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE		Batch: 2042004	
Chloride	49.4	20.0	1	10/12/20	10/12/20	



Sample Data

Spur
PO Box 1058
Hobbs NM, 88240

Project Name: Sam Adams 12 Fed Com UBB #4H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
10/14/2020 9:23:49AM

SP2 3'

E010036-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2042003	
Benzene	ND	0.0250	1	10/12/20	10/12/20	
Toluene	ND	0.0250	1	10/12/20	10/12/20	
Ethylbenzene	ND	0.0250	1	10/12/20	10/12/20	
p,m-Xylene	ND	0.0500	1	10/12/20	10/12/20	
o-Xylene	ND	0.0250	1	10/12/20	10/12/20	
Total Xylenes	ND	0.0250	1	10/12/20	10/12/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/12/20	10/12/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2042003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/12/20	10/12/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.9 %	70-130	10/12/20	10/12/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AY		Batch: 2042007	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/20	10/13/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/13/20	10/13/20	
<i>Surrogate: n-Nonane</i>						
		98.4 %	50-200	10/13/20	10/13/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: NE		Batch: 2042004	
Chloride	58.8	20.0	1	10/12/20	10/12/20	



Sample Data

Spur
PO Box 1058
Hobbs NM, 88240

Project Name: Sam Adams 12 Fed Com UBB #4H
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
10/14/2020 9:23:49AM

SP3 3'

E010036-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2042003	
Benzene	ND	0.0250	1	10/12/20	10/12/20	
Toluene	ND	0.0250	1	10/12/20	10/12/20	
Ethylbenzene	ND	0.0250	1	10/12/20	10/12/20	
p,m-Xylene	ND	0.0500	1	10/12/20	10/12/20	
o-Xylene	ND	0.0250	1	10/12/20	10/12/20	
Total Xylenes	ND	0.0250	1	10/12/20	10/12/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	102 %	70-130		10/12/20	10/12/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2042003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/12/20	10/12/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.1 %	70-130		10/12/20	10/12/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AY		Batch: 2042007	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/20	10/13/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/13/20	10/13/20	
<i>Surrogate: n-Nonane</i>						
	97.4 %	50-200		10/13/20	10/13/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: NE		Batch: 2042004	
Chloride	ND	20.0	1	10/12/20	10/12/20	



QC Summary Data

Spur	Project Name:	Sam Adams 12 Fed Com UBB #4H	Reported:
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	10/14/2020 9:23:49AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2042003-BLK1)

Prepared: 10/12/20 Analyzed: 10/12/20

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	7.98		8.00		99.8	70-130			

LCS (2042003-BS1)

Prepared: 10/12/20 Analyzed: 10/12/20

Benzene	4.67	0.0250	5.00		93.4	70-130			
Toluene	5.07	0.0250	5.00		101	70-130			
Ethylbenzene	5.16	0.0250	5.00		103	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
o-Xylene	5.10	0.0250	5.00		102	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	70-130			

Matrix Spike (2042003-MS1)

Source: E010035-01 Prepared: 10/12/20 Analyzed: 10/12/20

Benzene	4.69	0.0250	5.00	ND	93.9	54-133			
Toluene	5.15	0.0250	5.00	ND	103	61-130			
Ethylbenzene	5.24	0.0250	5.00	ND	105	61-133			
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
o-Xylene	5.23	0.0250	5.00	ND	105	63-131			
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			

Matrix Spike Dup (2042003-MSD1)

Source: E010035-01 Prepared: 10/12/20 Analyzed: 10/12/20

Benzene	4.55	0.0250	5.00	ND	91.1	54-133	2.98	20	
Toluene	4.97	0.0250	5.00	ND	99.4	61-130	3.63	20	
Ethylbenzene	5.06	0.0250	5.00	ND	101	61-133	3.47	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	3.56	20	
o-Xylene	5.01	0.0250	5.00	ND	100	63-131	4.40	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	3.84	20	
Surrogate: 4-Bromochlorobenzene-PID	8.19		8.00		102	70-130			



QC Summary Data

Spur	Project Name:	Sam Adams 12 Fed Com UBB #4H	Reported:
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	10/14/2020 9:23:49AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2042003-BLK1)

Prepared: 10/12/20 Analyzed: 10/12/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.71		8.00		83.9	70-130			

LCS (2042003-BS2)

Prepared: 10/12/20 Analyzed: 10/12/20

Gasoline Range Organics (C6-C10)	51.1	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.81		8.00		85.1	70-130			

Matrix Spike (2042003-MS2)

Source: E010035-01 Prepared: 10/12/20 Analyzed: 10/12/20

Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.84		8.00		85.5	70-130			

Matrix Spike Dup (2042003-MSD2)

Source: E010035-01 Prepared: 10/12/20 Analyzed: 10/12/20

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.7	70-130	5.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.75		8.00		84.3	70-130			



QC Summary Data

Spur	Project Name:	Sam Adams 12 Fed Com UBB #4H	Reported:
PO Box 1058	Project Number:	20046-0001	
Hobbs NM, 88240	Project Manager:	Natalie Gladden	10/14/2020 9:23:49AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2042007-BLK1)

Prepared: 10/13/20 Analyzed: 10/13/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: <i>n</i> -Nonane	49.1		50.0		98.2	50-200			

LCS (2042007-BS1)

Prepared: 10/13/20 Analyzed: 10/13/20

Diesel Range Organics (C10-C28)	309	25.0	500		61.9	38-132			
Surrogate: <i>n</i> -Nonane	48.7		50.0		97.4	50-200			

Matrix Spike (2042007-MS1)

Source: E010035-01 Prepared: 10/13/20 Analyzed: 10/13/20

Diesel Range Organics (C10-C28)	359	25.0	500	ND	71.8	38-132			
Surrogate: <i>n</i> -Nonane	51.4		50.0		103	50-200			

Matrix Spike Dup (2042007-MSD1)

Source: E010035-01 Prepared: 10/13/20 Analyzed: 10/13/20

Diesel Range Organics (C10-C28)	458	25.0	500	ND	91.6	38-132	24.2	20	R2
Surrogate: <i>n</i> -Nonane	48.6		50.0		97.1	50-200			



QC Summary Data

Spur PO Box 1058 Hobbs NM, 88240	Project Name: Project Number: Project Manager:	Sam Adams 12 Fed Com UBB #4H 20046-0001 Natalie Gladden	Reported: 10/14/2020 9:23:49AM
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Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2042004-BLK1)

Prepared: 10/12/20 Analyzed: 10/12/20

Chloride ND 20.0

LCS (2042004-BS1)

Prepared: 10/12/20 Analyzed: 10/12/20

Chloride 247 20.0 250 98.9 90-110

Matrix Spike (2042004-MS1)

Source: E010035-01 Prepared: 10/12/20 Analyzed: 10/12/20

Chloride 249 20.0 250 ND 99.7 80-120

Matrix Spike Dup (2042004-MSD1)

Source: E010035-01 Prepared: 10/12/20 Analyzed: 10/12/20

Chloride 250 20.0 250 ND 99.9 80-120 0.200 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:	Sam Adams 12 Fed Com UBB #4H	
PO Box 1058	Project Number:	20046-0001	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	10/14/20 09:23

R2 The RPD exceeded the acceptance limit.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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



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

Released to Imaging: 6/29/2021 1:38:32 PM

Envirotech Analytical Laboratory

Printed: 10/9/2020 10:00:34AM

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:	10/09/20 09:30	Work Order ID:	E010036
Phone:	(575) 390-6397	Date Logged In:	10/09/20 09:58	Logged In By:	Alexa Michaels
Email:	ngladden@energystaffingllc.com	Due Date:	10/15/20 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: FedEx**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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 filtration 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.

SPUR ENERGY PARTNERS

SAM ADAMS 12 FEDERAL COM UBB #4H BATTERY
SAMPLE MAP

Legend

-  SAM ADAMS 12 FEDERAL COM UBB #004H BATTERY
-  Sam Adams Release Area
-  SAMPLE POINTS

SAM ADAMS 12 FEDERAL COM UBB #004H BATTERY

SAMPLE POINTS:

SP1: 32.849973 -104.036544

SP2: 32.849788 -104.036600

SP3: 32.849619 -104.036534

CONTAINMENT: 5013 SQ. FT.



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?

<50 (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

State of New Mexico

Page 4

Oil Conservation Division

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

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

Signature:  Date: 3-4-21

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

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

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

Signature:  Date: 3-4-21

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: _____

Incident ID	NRM2017752399
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 OCD District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

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

Signature:  Date: 3-4-21

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

OCD Only

Received by: Cristina Eads Date: 04/04/2021

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

Closure Approved by:  Date: 06/29/2021

Printed Name: Cristina Eads Title: Environmental Specialist

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 19706

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 19706
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
ceads	In the future, when sampling underneath a liner, surface samples need to be submitted for laboratory analysis.	6/29/2021