



# AE Order Number Banner

## Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



**App Number:** pGRL1136352182

**1RP - 2766**

**SOUTHERN UNION GAS SERVICES, LTD**

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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

HOBBS OCD

Form C-141  
Revised October 10, 2003

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

AUG 15 2012

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

RECEIVED

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Southern Union Gas Services	Contact	Rose Slade
Address	801 S. Loop 464, Monahans, TX 79756	Telephone No.	432-940-5147
Facility Name	Trunk MA-4 #105	Facility Type	Natural Gas Pipeline
Surface Owner : Grobe (Corrected)		Lease No. 30-025-38822	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	9	24S	37E					Lea

Latitude 32 degrees 13.691' North Longitude 103 degrees 10.564 West

NATURE OF RELEASE

Type of Release	Natural Gas, Crude Oil and Produced Water	Volume of Release	35 bbls 18 MCF	Volume Recovered	None
Source of Release	10 - inch Natural Gas Pipeline	Date and Hour of Occurrence	Unknown	Date and Hour of Discovery	November 16, 2011 - 1430 hours
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Geoffrey Leking - NMOCD Hobbs District Office		
By Whom?	Rose Slade (SUGS)	Date and Hour	November 17, 2011 - 1545 hours		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*

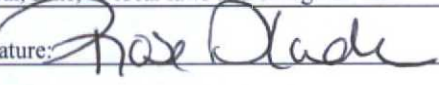

Describe Cause of Problem and Remedial Action Taken.\*

A ten (10)-inch low pressure natural gas pipeline developed a leak due to internal corrosion of the pipeline, resulting in a release of natural gas, crude oil and produced water. During initial response activities the pipeline was shut in. Heavily saturated soil was scraped and placed on plastic adjacent to the release point. Following initial response activities, the affected pipeline segment was slip lined with poly pipe.

Describe Area Affected and Cleanup Action Taken.\*

The release affected an area measuring approximately 4,000 square feet and was largely limited to a caliche road. Impacted soil was excavated and disposed of at an NMOCD approved facility. Confirmation soil samples collected from the floor and sidewalls of the Trunk MA-4 #105 excavations were analyzed by an NMOCD-approved laboratory, which determined concentrations of benzene, BTEX, TPH and chloride were less than the regulatory remediation action levels established for the site. Please see the attached Remediation Summary and Site Closure Request for details 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 NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: 	OIL CONSERVATION DIVISION		
Printed Name: Rose Slade	Approved by Environmental Specialist: 		
Title: Environmental Specialist	Approval Date: 8/15/12	Expiration Date: -	
E-mail Address: rose.slade@sug.com	Conditions of Approval: -	Attached <input type="checkbox"/> IRP#12-11-2766	
Date: August 15, 2012	Phone: 432-940-5147		

\* Attach Additional Sheets If Necessary



# *Basin Environmental Service Technologies, LLC*

3100 Plains Highway  
P. O. Box 301  
Lovington, New Mexico 88260

[jwlowry@basinenv.com](mailto:jwlowry@basinenv.com)

Office: (575) 396-2378 Fax: (575) 396-1429



## **REMEDIATION SUMMARY & SITE CLOSURE REQUEST**

**SOUTHERN UNION GAS SERVICES**

**TRUNK MA-4 #105**

**Lea County, New Mexico**

**Unit Letter "L" (NW/SW), Section 9, Township 24 South, Range 37 East**

**Latitude 32° 13.691' North, Longitude 103° 10.564' West**

**NMOCD Reference # 1RP 12-11-2766**

Prepared For:

Southern Union Gas Services  
801 S. Loop 464  
Monahans, TX 79756

Prepared By:

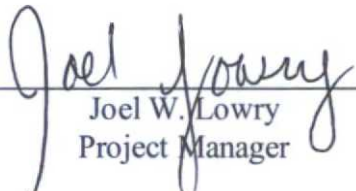
Basin Environmental Service Technologies, LLC  
3100 Plains Highway  
Lovington, New Mexico 88260

**August 2012**

**HOBBS OCD**

**AUG 15 2012**

**RECEIVED**

  
Joel W. Lowry  
Project Manager

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## 1.0 INTRODUCTION & BACKGROUND INFORMATION

Basin Environmental Service Technologies, LLC (Basin), on behalf of Southern Union Gas Services (Southern Union), has prepared this *Remediation Summary & Site Closure Request* for the release site known as Trunk MA-4 #105. The legal description of the release site is Unit Letter "L" (NW/SW), Section 9, Township 24 South, Range 37 East, in Lea County, New Mexico. The geographic coordinates of the release site are 32° 13.691' North latitude and 103° 10.564' West longitude. The property affected by the release is owned by Mr. Bill Grobe; the initial "Release Notification and Corrective Action" (Form C-141) incorrectly identified Mr. Jimmy Doom as the landowner. Please reference Figure 1 for a "Site Location Map".

On November 16, 2011, Southern Union discovered a release had occurred on the Trunk MA-4 pipeline. The Form C-141 indicated failure of a section of ten-inch (10") low-pressure pipeline resulted in the release of approximately thirty-five barrels (35 bbls) of a mixture of crude oil, produced water and natural gas. During initial response activities the pipeline was shut in; heavily saturated soil was scraped up and placed on an impermeable liner, pending final disposition. The release was reported to the New Mexico Oil Conservation Division (NMOCD) Hobbs District Office on November 17, 2011. The release was largely limited to a single-track road, affecting an area measuring approximately four thousand square feet (4,000 ft<sup>2</sup>). General photographs of the release site are provided as Appendix A. The Form C-141 is provided as Appendix E.

## 2.0 NMOCD SITE CLASSIFICATION

A search of the New Mexico Water Rights Reporting System (NMWRRS) database maintained by the New Mexico Office of the State Engineer (NMOSE) indicated information was unavailable for Section 9, Township 24 South, Range 37 East. A depth to groundwater reference map utilized by the NMOCD indicates groundwater should be encountered at approximately eighty-five feet (85') below ground surface (bgs). Based on the NMOCD ranking system, ten (10) points will be assigned to the site as a result of this criterion.

A search of the NMWRRS database indicated there are no water wells within one thousand feet (1,000') of the release. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

There are no surface water bodies within one thousand feet (1,000') of the release. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

NMOCD guidelines indicate the Trunk MA-4 #105 release site has an initial ranking score of ten (10) points. The soil remediation levels for a site with a ranking score of ten (10) points are as follows:

- Benzene – 10 mg/Kg (ppm)
- BTEX – 50 mg/Kg (ppm)
- TPH – 1,000 mg/Kg (ppm)



The New Mexico Administrative Code (NMAC) does not currently specify a remediation level for chloride concentrations in soil. Chloride remediation levels are set by the NMOCD on a site-specific basis.

### **3.0 SUMMARY OF SOIL REMEDIATION ACTIVITIES**

On November 28, 2011, one (1) soil boring (SB-1) was advanced at the release site to delineate the vertical extent of soil impact. Soil boring "SB-1" was located near the release point, directly west of the MA-4 line. The soil boring was advanced to a total depth of approximately twenty feet (20') bgs. Soil samples were collected at five-foot (5') drilling intervals and field screened using a Photo-Ionization Detector (PID) and/or chloride test kit. A soil boring log is provided as Appendix B.

Soil samples collected from soil boring "SB-1" at drilling depths of five feet (5'), ten feet (10'), fifteen feet (15') and twenty feet (20') bgs were submitted to Xenco Laboratories Inc., of Odessa, Texas for analysis of total petroleum hydrocarbons (TPH) and chloride concentrations in accordance with EPA Methods SW 846-8015M and 300.1, respectively. Laboratory analytical results indicated TPH concentrations were less than the laboratory method detection limit (MDL) for each of the soil samples submitted. Analytical results indicated chloride concentrations ranged from 23.0 mg/Kg for soil sample SB-1 @ 20' to 346 mg/Kg in soil sample SB-1 @ 5'. Table 1 summarizes the "Concentrations of Benzene, BTEX, TPH & Chloride in Soil". Soil sample locations are depicted in Figure 2, "Site & Sample Location Map". Laboratory analytical reports are provided as Appendix C.

On July 3, 2012, Basin began excavation activities at the release site. The excavation floor and sidewalls were advanced until chloride field tests and photo-ionization detector (PID) readings indicated concentrations of chloride and TPH were less than NMOCD regulatory remediation action levels established for the site. The release flowpath, which traveled south along an oilfield access road approximately three hundred fifty feet (350'), was excavated to approximately twelve inches (12") bgs. Confirmation soil samples were collected from the floor of the flowpath at seventy-five foot (75') intervals. A small pooling area at the southern terminus of the flowpath, was excavated to approximately eighteen inches (18") bgs and sampled accordingly.

On July 5, 2012, five (5) soil samples (#1 West Wall, #2 Floor, #3 East Wall, #4 Flow Path and #5 Flow Path) were collected from the excavation and submitted to the laboratory for analysis of benzene, toluene, ethylbenzene and xylene (BTEX), TPH and chloride concentrations. BTEX concentrations were determined by EPA Method SW-846 8021b. Laboratory analytical results indicated benzene, BTEX and TPH concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples. Chloride concentrations ranged from 1.32 mg/Kg for soil sample #2 Floor to 24.4 mg/Kg for soil sample #4 Flowpath. Benzene, BTEX, TPH and chloride concentrations were less than NMOCD regulatory remediation action levels for each of the submitted soil samples.

On July 6, 2012, seven (7) soil samples (#6 Flow Path, #7 Flow Path, South Wall, East Wall R.P., West Wall R.P., West Floor R.P. and East Floor R.P.) were collected from the excavation and submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated benzene, BTEX and TPH concentrations were less than



the appropriate laboratory MDL for each of the submitted soil samples. Chloride concentrations ranged from 1.63 mg/Kg for soil sample South Wall to 263 mg/Kg for soil sample West Floor R.P. Benzene, BTEX, TPH and chloride concentrations were less than NMOCD regulatory remediation action levels for each of the submitted soil samples.

On July 16, 2012, one (1) soil sample (North Wall) was collected from the excavation and submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated benzene and BTEX concentrations were less than the appropriate laboratory MDL. Analytical results indicated the TPH concentration was 39.1 mg/Kg. The chloride concentration was 120 mg/Kg. Benzene, BTEX, TPH and chloride concentrations were less than NMOCD regulatory remediation action levels.

On July 23, 2012, on receiving approval from an NMOCD representative, the excavation was backfilled with locally purchased, non-impacted material. Excavation backfill was compacted in twelve-inch (12") lifts and contoured to fit the surrounding topography. Prior to backfilling the excavation, the final dimensions of the primary excavation were approximately forty feet (40') in length, thirty-five feet (35') in width, and approximately five feet (5') in depth. The final dimensions of the flowpath area were approximately three hundred fifty feet (350') in length, ten feet (10') in width, and ranged in depth from twelve inches (12") to eighteen inches (18") bgs.

Between July 5 and 16, 2012, approximately six hundred twenty-four cubic yards (624 yd<sup>3</sup>) of impacted material was transported to Sundance Services, Inc. (NMOCD Permit # 01-0003) for disposal. Copies of disposal manifests are provided as Appendix D.

#### **4.0 QA/QC PROCEDURES**

##### **4.1 Soil Sampling**

Soil samples were delivered to Xenco Laboratories, Inc., of Odessa, Texas, for BTEX, TPH, and/or chloride analyses using the methods described below:

- BTEX concentrations in accordance with EPA Method SW-846 8021b
- TPH concentrations in accordance with modified EPA Method SW-846 8015M
- Chloride concentrations in accordance with EPA Method 300.1

##### **4.2 Decontamination of Equipment**

Cleaning of the sampling equipment was the responsibility of the environmental technician. Prior to use, and between each sample, the sampling equipment was cleaned with Liqui-Nox® detergent and rinsed with distilled water.

##### **4.3 Laboratory Protocol**

The laboratory was responsible for proper QA/QC procedures after signing the chain-of-custody form(s). These procedures were either transmitted with the laboratory reports or are on file at the laboratory.

## **5.0 SITE CLOSURE REQUEST**

Confirmation soil samples collected from the floor and sidewalls of the Trunk MA-4 #105 excavation were analyzed by an NMOCD-approved laboratory, which determined concentrations of benzene, BTEX, TPH and chloride were less than the regulatory remediation action levels established for the site. Based on these laboratory analytical results, Basin recommends Southern Union provide the NMOCD Hobbs District Office a copy of this *Remediation Summary & Site Closure Request* and request the NMOCD grant site closure to the Trunk MA-4 #105 release site.

## **6.0 LIMITATIONS**

Basin Environmental Service Technologies, LLC, has prepared this *Remediation Summary & Site Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Basin has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Basin has not conducted an independent examination of the facts contained in referenced materials and statements. Basin has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Basin has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Southern Union Gas Services. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Basin Environmental Service Technologies, LLC, and/or Southern Union Gas Services.

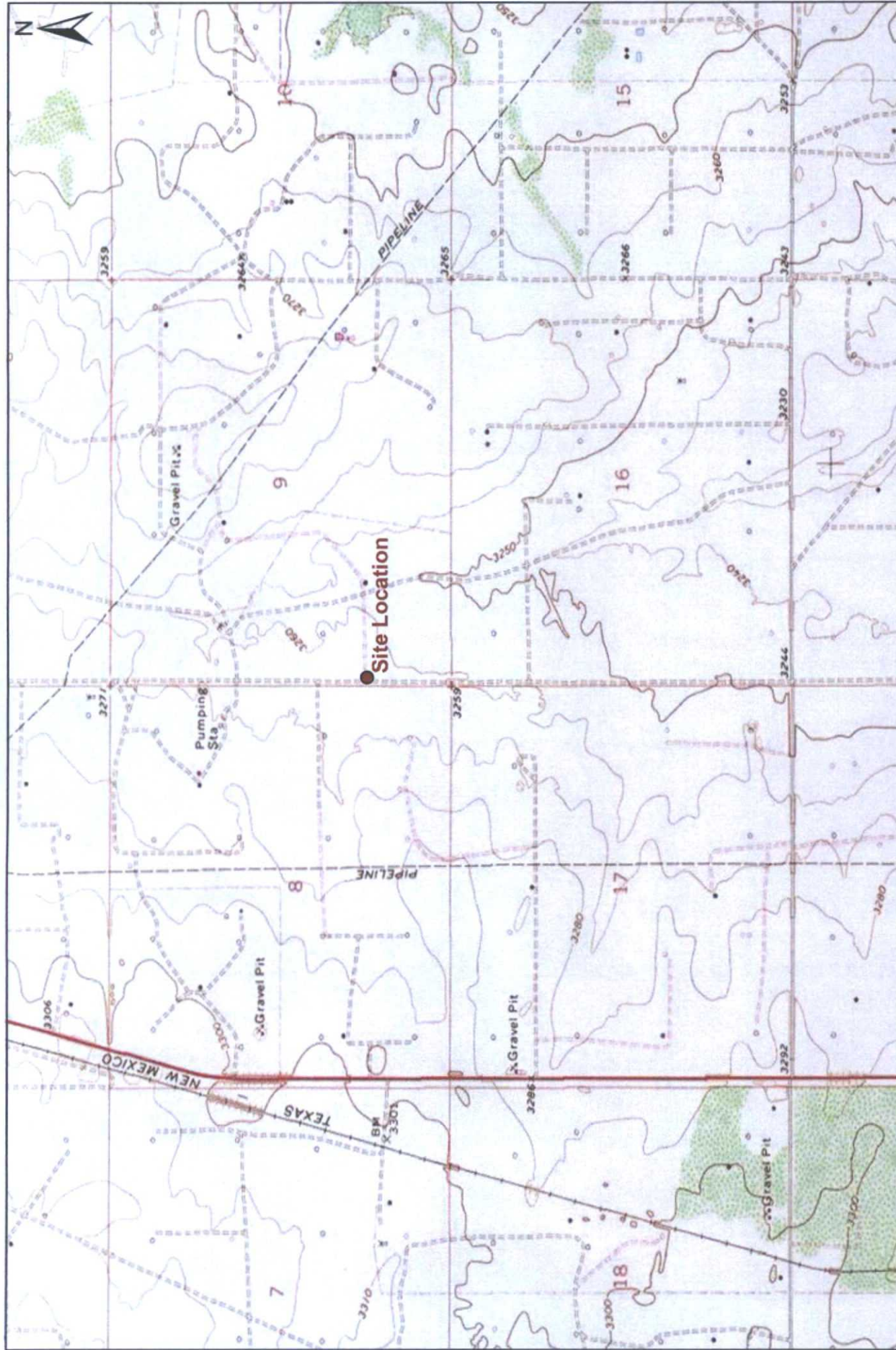


## **7.0 DISTRIBUTION:**

- Copy 1: Geoffrey Leking  
New Mexico Energy, Minerals and Natural Resources Department  
Oil Conservation Division (District 1)  
1625 French Drive  
Hobbs, NM 88240  
GeoffreyR.Leking@state.nm.us
- Copy 2: Rose Slade & Curt Stanley  
Southern Union Gas Services  
801 S. Loop 464  
Monahans, Texas 79756  
rose.slade@sug.com  
curt.stanley@sug.com
- Copy 3: Basin Environmental Service Technologies, LLC  
P.O. Box 301  
Lovington, New Mexico 88260

## FIGURES



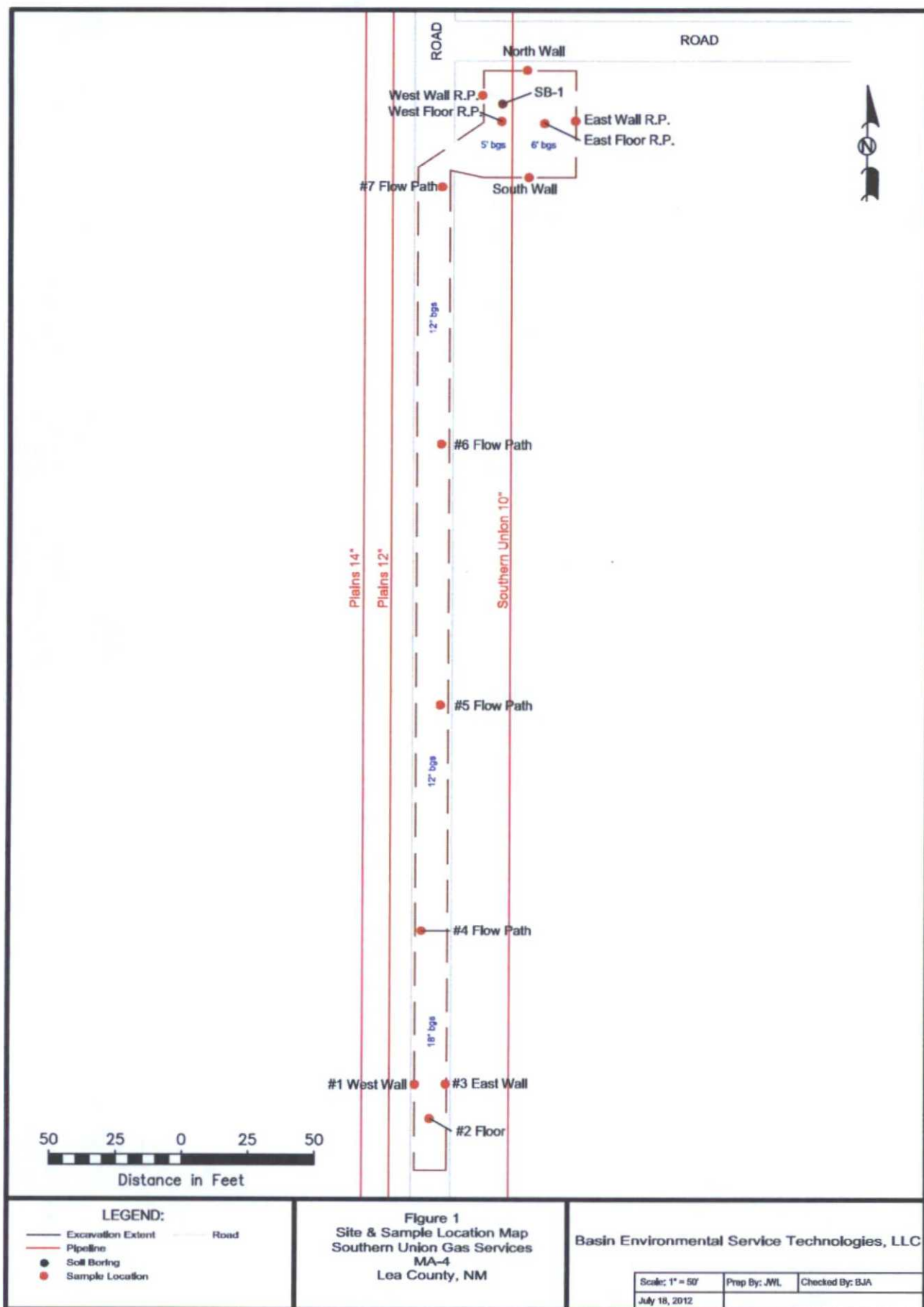


**Figure 1**  
**Site Location Map**  
**Southern Union Gas Services**  
**Trunk MA-4 #105**  
**Lea County, New Mexico**



Basin Environmental Service Technologies, LLC  
 3100 Plains Hwy.  
 Lovington, NM 88260

Drawn By: BJA	Checked By: JWJ
August 2, 2012	Scale: 1" = 2000'





## **TABLES**

TABLE 1

## CONCENTRATIONS OF BENZENE, BTEX, TPH &amp; CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES  
TRUNK MA-4 #105  
LEA COUNTY, NEW MEXICO  
NMOCD REF# 1RP 12-11-2766

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M				TOTAL TPH C <sub>6</sub> -C <sub>35</sub> (mg/Kg)	EPA 300 CHLORIDE (mg/Kg)
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C <sub>6</sub> -C <sub>12</sub> (mg/Kg)	DRO C <sub>12</sub> -C <sub>28</sub> (mg/Kg)	ORO C <sub>28</sub> -C <sub>35</sub> (mg/Kg)			
SB-1 @ 5'	5'	11/28/2011	In-Situ	-	-	-	-	-	<16.0	<16.0	<16.0	<16.0	<16.0	346
SB-1 @ 10'	10'	11/28/2011	In-Situ	-	-	-	-	-	<15.9	<15.9	<15.9	<15.9	<15.9	365
SB-1 @ 15'	15'	11/28/2011	In-Situ	-	-	-	-	-	<16.0	<16.0	<16.0	<16.0	<16.0	28.6
SB-1 @ 20'	20'	11/28/2011	In-Situ	-	-	-	-	-	<15.8	<15.8	<15.8	<15.8	<15.8	23.0
#1 West Wall #2 Floor #3 East Wall #4 Flowpath #5 Flowpath	3'	7/5/2012	In-Situ	<0.00116	<0.00116	<0.00116	<0.00232	<0.00232	<18.2	<18.2	<18.2	<18.2	<18.2	1.38
	3'	7/5/2012	In-Situ	<0.00120	<0.00120	<0.00120	<0.00240	<0.00240	<18.6	<18.6	<18.6	<18.6	<18.6	1.32
	3'	7/5/2012	In-Situ	<0.00115	<0.00115	<0.00115	<0.00230	<0.00230	<17.3	<17.3	<17.3	<17.3	<17.3	12.6
	1'	7/5/2012	In-Situ	<0.00122	<0.00122	<0.00122	<0.00244	<0.00244	<18.4	<18.4	<18.4	<18.4	<18.4	24.4
	1'	7/5/2012	In-Situ	<0.00118	<0.00118	<0.00118	<0.00236	<0.00236	<18.3	<18.3	<18.3	<18.3	<18.3	5.75
#6 Flow Path #7 Flow Path South Wall East Wall R.P. West Wall R.P.	1'	7/6/2012	In-Situ	<0.00100	<0.00201	<0.00100	<0.00201	<0.00201	<15.1	<15.1	<15.1	<15.1	<15.1	2.86
	1'	7/6/2012	In-Situ	<0.00104	<0.00207	<0.00104	<0.00207	<0.00207	<15.5	<15.5	<15.5	<15.5	<15.5	5.20
	5'	7/6/2012	In-Situ	<0.00105	<0.00209	<0.00105	<0.00209	<0.00209	<15.7	<15.7	<15.7	<15.7	<15.7	1.63
	6'	7/6/2012	In-Situ	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<15.5	<15.5	<15.5	<15.5	<15.5	6.65
	5'	7/6/2012	In-Situ	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<15.9	<15.9	<15.9	<15.9	<15.9	85.2
West Floor R.P. East Floor R.P.	5'	7/6/2012	In-Situ	<0.00112	<0.00224	<0.00112	<0.00224	<0.00224	<16.7	<16.7	<16.7	<16.7	<16.7	263
	6'	7/6/2012	In-Situ	<0.00111	<0.00221	<0.00111	<0.00221	<0.00221	<16.5	<16.5	<16.5	<16.5	<16.5	67.1
North Wall	5'	7/16/2012	In-Situ	<0.00107	<0.00214	<0.00107	<0.00214	<0.00214	<16.1	39.1	<16.1	<16.1	39.1	120
NMOCD Standard				10				50					1,000	500

- = Not analyzed.



## **APPENDICES**

## **APPENDIX A**

### **Photographs**



Photograph of initial release at the Trunk MA-4 #105 Release Site. (Looking South)



Photograph of initial release and flowpath at the Trunk MA-4 #105 Release Site. (Looking South)





Photograph of pooling area at the southern terminus of flowpath at the Trunk MA-4 #105 Release Site. (Looking North)



Photograph of road after having been excavated at the Trunk MA-4 #105 Release Site. (Looking South)



Photograph of advancement of soil boring SB-1 at the Trunk MA-4 #105 Release Site. (Looking Northeast)



Photograph of the installation of bentonite plug in SB-1 at the Trunk MA-4 #105 Release Site.





Photograph of the excavation at the Trunk MA-4 #105 Release Site. (Looking South)



Photograph of the Trunk MA-4 #105 Release Site after having been backfilled. (Looking South)






Photograph of oil field access road after having been backfilled. (Looking South)



Photograph of the Trunk MA-4 #105 Release Site after remediation activities. (Looking South)




**APPENDIX B**  
**Soil Boring Log**

# Soil Boring SB-1

Depth Below Ground Surface	Soil Column	Chloride Field Test	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
0		(196)		None	None	0' - 4' - Red fine sand
5		(300)		None	None	4' - 9' - Caliche; tan fine sand; sandstone
10		(<120)		None	None	9' - 20' - Tan fine sand; sandstone (soft)
15		(<120)		None	None	
20						

## Boring SB-1

Date Drilled November 28, 2011  
 Thickness of Bentonite Seal 20 Ft  
 Depth of Exploratory Boring 20 Ft bgs  
 Depth to Groundwater \_\_\_\_\_  
 Ground Water Elevation \_\_\_\_\_

 Indicates the PSH level measured on \_\_\_\_\_  
 Indicates the groundwater level measured on \_\_\_\_\_  
 Indicates samples selected for Laboratory Analysis.  
 PID Head-space reading in ppm obtained with a photo-ionization detector.

## Completion Notes

- 1.) The soil boring was advanced on date using air rotary drilling techniques.
- 2.) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

**Soil Boring SB-1**

Southern Union Gas Services  
 Trunk MA-4 #105  
 Lea County, New Mexico

Basin Environmental Service Technologies, LLC  
 3100 Plains Hwy.  
 Lovington, NM 88260

Prep By: BJA	Checked By: BRB
July 2, 2012	



## **APPENDIX C**

### **Laboratory Analytical Reports**

**Analytical Report 432427**  
**for**  
**Southern Union Gas Services- Monahans**

**Project Manager: Rose Slade**  
**MA-4 (11/9/11) - Jimmy Doom**

**08-DEC-11**

Collected By: Client



**Celebrating 20 Years of commitment to excellence in Environmental Testing Services**



**12600 West I-20 East Odessa, Texas 79765**

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)  
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)  
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)  
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AAL11), West Virginia (362), Kentucky (85)  
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)



08-DEC-11

Project Manager: **Rose Slade**  
**Southern Union Gas Services- Monahans**  
1507 W. 15th Street  
Monahans, TX 79756

Reference: XENCO Report No: **432427**  
**MA-4 (11/9/11) - Jimmy Doom**  
Project Address: Lea County, NM

**Rose Slade:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 432427. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 432427 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

**Brent Barron II**

Odessa Laboratory Manager

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**Sample Cross Reference 432427****Southern Union Gas Services- Monahans, Monahans, TX**

MA-4 (11/9/11) - Jimmy Doom

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SB-1 @ 5'	S	11-28-11 10:00		432427-001
SB-1 @ 10'	S	11-28-11 10:05		432427-002
SB-1 @ 15'	S	11-28-11 10:10		432427-003
SB-1 @ 20'	S	11-28-11 10:15		432427-004



## CASE NARRATIVE

*Client Name: Southern Union Gas Services- Monahans*

*Project Name: MA-4 (11/9/11) - Jimmy Doom*



*Project ID:*

*Work Order Number: 432427*

*Report Date: 08-DEC-11*

*Date Received: 11/30/2011*

---

**Sample receipt non conformances and comments:**

None

---

**Sample receipt non conformances and comments per sample:**

None

# Certificate of Analysis Summary 432427

## Southern Union Gas Services- Monahans, Monahans, TX



**Project Id:**

**Contact:** Rose Slade

**Project Location:** Lea County, NM

**Project Name:** MA-4 (11/9/11) - Jimmy Doom

**Date Received in Lab:** Wed Nov-30-11 02:37 pm

**Report Date:** 08-DEC-11

**Project Manager:** Brent Barron II

<i>Analysis Requested</i>	<i>Lab Id:</i>	432427-001	432427-002	432427-003	432427-004		
	<i>Field Id:</i>	SB-1 @ 5'	SB-1 @ 10'	SB-1 @ 15'	SB-1 @ 20'		
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL		
	<i>Sampled:</i>	Nov-28-11 10:00	Nov-28-11 10:05	Nov-28-11 10:10	Nov-28-11 10:15		
<b>Inorganic Anions by EPA 300/300.1 SUB: E871002</b>	<i>Extracted:</i>	Dec-06-11 08:46	Dec-06-11 09:00	Dec-06-11 09:14	Dec-06-11 09:29		
	<i>Analyzed:</i>	Dec-06-11 08:46	Dec-06-11 09:00	Dec-06-11 09:14	Dec-06-11 09:29		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Chloride		346 5.36	365 5.31	28.6 5.35	23.0 5.30		
<b>Percent Moisture SUB: E871002</b>	<i>Extracted:</i>						
	<i>Analyzed:</i>	Dec-01-11 14:35	Dec-01-11 14:35	Dec-01-11 14:35	Dec-01-11 14:35		
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL		
Percent Moisture		6.72 1.00	5.75 1.00	6.61 1.00	5.70 1.00		
<b>TPH By SW8015 Mod SUB: E871002</b>	<i>Extracted:</i>	Dec-02-11 13:51	Dec-02-11 13:54	Dec-02-11 13:57	Dec-02-11 14:00		
	<i>Analyzed:</i>	Dec-03-11 17:14	Dec-03-11 17:36	Dec-03-11 17:59	Dec-03-11 18:23		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
C6-C12 Gasoline Range Hydrocarbons		ND 16.0	ND 15.9	451 16.0	ND 15.8		
C12-C28 Diesel Range Hydrocarbons		ND 16.0	ND 15.9	485 16.0	ND 15.8		
C28-C35 Oil Range Hydrocarbons		ND 16.0	ND 15.9	74.1 16.0	ND 15.8		
Total TPH		ND 16.0	ND 15.9	1010 16.0	ND 15.8		

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron II  
Odessa Laboratory Manager



## Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

\* Surrogate recovered outside laboratory control limit.

**BRL** Below Reporting Limit.

**RL** Reporting Limit

**MDL** Method Detection Limit      **SDL** Sample Detection Limit      **LOD** Limit of Detection

**PQL** Practical Quantitation Limit      **MQL** Method Quantitation Limit      **LOQ** Limit of Quantitation

**DL** Method Detection Limit

**NC** Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation.

^ NELAC or State program does not offer Accreditation at this time.

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4143 Greenbriar Dr, Stafford, TX 77477  
 9701 Harry Hines Blvd, Dallas, TX 75220  
 5332 Blackberry Drive, San Antonio TX 78238  
 2505 North Falkenburg Rd, Tampa, FL 33619  
 5757 NW 158th St, Miami Lakes, FL 33014  
 12600 West I-20 East, Odessa, TX 79765  
 6017 Financial Drive, Norcross, GA 30071  
 3725 E. Atlanta Ave, Phoenix, AZ 85040

Phone	Fax
(281) 240-4200	(281) 240-4280
(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	

## Form 2 - Surrogate Recoveries

Project Name: MA-4 (11/9/11) - Jimmy Doom

Work Orders : 432427,

Project ID:

Lab Batch #: 876221

Sample: 432427-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 12/03/11 17:14

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	97.7	99.7	98	70-135	
o-Terphenyl	46.4	49.9	93	70-135	

Lab Batch #: 876221

Sample: 432427-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 12/03/11 17:36

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.6	99.6	93	70-135	
o-Terphenyl	45.6	49.8	92	70-135	

Lab Batch #: 876221

Sample: 432427-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 12/03/11 17:59

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	91.0	99.5	91	70-135	
o-Terphenyl	39.8	49.8	80	70-135	

Lab Batch #: 876221

Sample: 432427-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 12/03/11 18:23

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.3	99.4	93	70-135	
o-Terphenyl	44.2	49.7	89	70-135	

Lab Batch #: 876221

Sample: 614879-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 12/03/11 13:00

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.7	100	96	70-135	
o-Terphenyl	45.8	50.0	92	70-135	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] =  $100 * A / B$

All results are based on MDL and validated for QC purposes.

## Form 2 - Surrogate Recoveries

Project Name: MA-4 (11/9/11) - Jimmy Doom

Work Orders : 432427,

Project ID:

Lab Batch #: 876221

Sample: 614879-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 12/03/11 13:24

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	100	102	70-135	
o-Terphenyl	48.7	50.0	97	70-135	

Lab Batch #: 876221

Sample: 432404-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 12/03/11 14:10

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	86.3	99.5	87	70-135	
o-Terphenyl	41.3	49.8	83	70-135	

Lab Batch #: 876221

Sample: 432404-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 12/03/11 14:33

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.8	100	91	70-135	
o-Terphenyl	44.7	50.0	89	70-135	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] =  $100 * A / B$

All results are based on MDL and validated for QC purposes.





**Project Name: MA-4 (11/9/11) - Jimmy Doom**

**Work Order #: 432427**

**Project ID:**

**Lab Batch #:** 876334  
**Date Analyzed:** 12/06/2011  
**Reporting Units:** mg/kg

**Sample:** 614998-1-BKS  
**Date Prepared:** 12/06/2011

**Matrix:** Solid  
**Analyst:** MAB

**Batch #:** 1

## BLANK /BLANK SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Analytes						
Chloride	<5.00	500	524	105	80-120	

**Lab Batch #:** 876221  
**Date Analyzed:** 12/03/2011  
**Reporting Units:** mg/kg

**Sample:** 614879-1-BKS  
**Date Prepared:** 12/02/2011

**Matrix:** Solid  
**Analyst:** JAH

**Batch #:** 1

## BLANK /BLANK SPIKE RECOVERY STUDY

TPH By SW8015 Mod	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Analytes						
C6-C12 Gasoline Range Hydrocarbons	<15.0	1000	1050	105	70-135	
C12-C28 Diesel Range Hydrocarbons	<15.0	1000	924	92	70-135	

Blank Spike Recovery [D] = 100\*[C]/[B]

All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit


**Project Name: MA-4 (11/9/11) - Jimmy Doom**
**Work Order # :** 432427

**Project ID:**
**Lab Batch ID:** 876334

**QC- Sample ID:** 432427-004 S

**Batch #:** 1 **Matrix:** Soil

**Date Analyzed:** 12/06/2011

**Date Prepared:** 12/06/2011

**Analyst:** MAB

**Reporting Units:** mg/kg

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY**

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	23.0	530	574	104	530	578	105	1	80-120	20	

**Lab Batch ID:** 876221

**QC- Sample ID:** 432404-001 S

**Batch #:** 1 **Matrix:** Soil

**Date Analyzed:** 12/03/2011

**Date Prepared:** 12/02/2011

**Analyst:** JAH

**Reporting Units:** mg/kg

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY**

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<15.5	1030	972	94	1040	992	95	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	671	1030	1560	86	1040	1610	90	3	70-135	35	

Matrix Spike Percent Recovery  $[D] = 100 * (C - A) / B$   
 Relative Percent Difference  $RPD = 200 * |(C - F) / (C + F)|$

Matrix Spike Duplicate Percent Recovery  $[G] = 100 * (F - A) / E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable  
 N = See Narrative, EQL = Estimated Quantitation Limit

**Project Name: MA-4 (11/9/11) - Jimmy Doom**

**Work Order #: 432427**

**Lab Batch #: 876078**

**Project ID:**

**Date Analyzed: 12/01/2011 14:35**

**Date Prepared: 12/01/2011**

**Analyst: BRB**

**QC- Sample ID: 432427-001 D**

**Batch #: 1**

**Matrix: Soil**

**Reporting Units: %**

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	6.72	6.10	10	20	

Spike Relative Difference RPD  $200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit



# Xenco Laboratories

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East  
Odessa, Texas 79765

Phone: 432-563-1800  
Fax: 432-563-1713

Project Manager: Ben J. Arguijo

Project Name: MA-4 (11/9/11) - Jimmy Doom

Company Name: Basin Environmental Service Technologies, LLC

Project #: \_\_\_\_\_

Company Address: P.O. Box 301

Project Loc: Lea County, NM

City/State/Zip: Lovington, NM 88260

PO #: \_\_\_\_\_

Telephone No: (575)396-2378

Fax No: (575) 396-1429

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: [Signature]

e-mail: bjarguijo@basinenv.com; Rose Slade@SUG.com

(lab use only)		Analyze For:	
ORDER #:	432427	TCLP	TOTAL
LAB # (lab use only)			
FIELD CODE			
Beginning Depth			
Ending Depth			
Date Sampled			
Time Sampled			
Field Filtered			
Total # of Containers			
Ice			
HNO <sub>3</sub>			
HCl			
H <sub>2</sub> SO <sub>4</sub>			
NaOH			
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>			
None			
Other (Specify)			
DW=Drinking Water SL=Sludge			
GW = Groundwater S=Soil/Solid			
NP=Non-Potable Specify Other			
TPH: 418.1 8015M 8015B			
TPH: TX 1005 TX 1006			
Calcions (Ca, Mg, Na, K)			
Anions (Cl, SO <sub>4</sub> , Alkalinity)			
SAR / ESP / CEC			
Metals: As Ag Ba Cd Cr Pb Hg Se			
Volatiles			
Semivolatiles			
BTEX 8021B/5030 or BTEX 8260			
CHLORIDES			
RUSH TAT (Pre-Schedule) 24, 48, 72 hrs			
Standard TAT 4 DAY			

Special Instructions:				Laboratory Comments:			
**Run BTEX on sample with highest GRO.**				Sample Containers Intact? Y N			
				VOCs Free of Headspace? Y N			
				Labels on container(s) Y N			
				Custody seals on container(s) Y N			
				Custody seals on cooler(s) Y N			
				Sample Hand Delivered Y N			
				by Sampler/Client Rep. ? Y N			
				by Courier? UPS DHL FedEx Lone Star			
				Temperature Upon Receipt: 2.0 °C			

Relinquished by:	Date	Time	Received by:	Date	Time
[Signature]	11/30/11	0800	[Signature]	11/30/11	0800
[Signature]	11/30/11	1437	[Signature]		
Relinquished by:	Date	Time	Received by ELOJ:	Date	Time
			[Signature]	11/30/11	1457

**XENCO Laboratories**

Atlanta, Boca Raton, Corpus Christi, Dallas  
Houston, Miami, Odessa, Philadelphia  
Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist

Document No.: SYS-SRC

Revision/Date: No. 01, 5/27/2010

Effective Date: 6/1/2010 Page 1 of 1

**Prelogin / Nonconformance Report - Sample Log-In**

Client: Basin Env. / SUGS  
Date/Time: 11.30.11 14:37  
Lab ID #: 432427  
Initials: TB

**Sample Receipt Checklist**

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	<u>Yes</u>	No	N/A	
17. VOC sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>2.0</u> °C	lbs °C	lbs °C	lbs °C	lbs °C

**Nonconformance Documentation**

Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Regarding: \_\_\_\_\_

Corrective Action Taken: \_\_\_\_\_

- Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.  
☐ Initial and Backup Temperature confirm out of temperature conditions  
☐ Client understands and would like to proceed with analysis



**Analytical Report 445224**  
**for**  
**Southern Union Gas Services- Monahans**

**Project Manager: Rose Slade**

**MA-4**

**18-JUL-12**

Collected By: Client



**Celebrating 20 Years of commitment to excellence in Environmental Testing Services**



**12600 West I-20 East Odessa, Texas 79765**

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)  
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)  
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)  
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD ( L10-135)  
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Lakeland: Florida (E84098)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)





18-JUL-12

Project Manager: **Rose Slade**  
**Southern Union Gas Services- Monahans**  
801 South Loop 464  
Monahans, TX 79756

Reference: XENCO Report No: **445224**  
**MA-4**  
Project Address: Lea County, NM

**Rose Slade:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 445224. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 445224 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

---

**Nicholas Straccione**

Project Manager

*Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.*

*Certified and approved by numerous States and Agencies.*

*A Small Business and Minority Status Company that delivers SERVICE and QUALITY*

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

**Sample Cross Reference 445224**

**Southern Union Gas Services- Monahans, Monahans, TX**  
MA-4

<b>Sample Id</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Sample Depth</b>	<b>Lab Sample Id</b>
#1 West Wall	S	07-05-12 12:05	3 - 3 ft	445224-001
#2 Floor	S	07-05-12 12:15	3 - 3 ft	445224-002
#3 East Wall	S	07-05-12 12:20	3 - 3 ft	445224-003
#4 Flowpath	S	07-05-12 12:35	1 - 1 ft	445224-004
#5 Flowpath	S	07-05-12 12:50	1 - 1 ft	445224-005



## CASE NARRATIVE

*Client Name: Southern Union Gas Services- Monahans*

*Project Name: MA-4*



*Project ID:*

*Work Order Number: 445224*

*Report Date: 18-JUL-12*

*Date Received: 07/06/2012*

---

**Sample receipt non conformances and comments:**

None

---

**Sample receipt non conformances and comments per sample:**

None

**Analytical non conformances and comments:**

Batch: LBA-892439 BTEX by SW 8260B

SW8260BTX

Batch 892439, 1,2-Dichloroethane-D4, Dibromofluoromethane recovered below QC limits .

Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 445224-001.





## Hits Summary

445224



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: #1 West Wall		Matrix: Soil		% Moisture: 17.87		
Lab Sample Id: 445224-001		Date Collected: Jul-05-12 12:05		Basis: Dry Weight		
Sample Depth: 3 - 3 ft		Date Received: Jul-06-12 09:35				
Analytical Method: Inorganic Anions by EPA 300/300.1				Prep Method: E300P		
Seq Number: 892049				Date Prep: Jul-12-12 00:07		
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1.38	mg/kg	07/12/12 00:07		1



## Hits Summary

445224



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: #1 West Wall		Matrix: Soil		% Moisture:		
Lab Sample Id: 445224-001		Date Collected: Jul-05-12 12:05		Basis: Wet Weight		
Sample Depth: 3 - 3 ft		Date Received: Jul-06-12 09:35				
Analytical Method: Percent Moisture						
Seq Number: 891872						
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	17.9	%	07/10/12 15:40		1



## Hits Summary

445224



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: #2 Floor		Matrix: Soil		% Moisture: 19.47		
Lab Sample Id: 445224-002		Date Collected: Jul-05-12 12:15		Basis: Dry Weight		
Sample Depth: 3 - 3 ft		Date Received: Jul-06-12 09:35				
Analytical Method: Inorganic Anions by EPA 300/300.1				Prep Method: E300P		
Seq Number: 892049				Date Prep: Jul-12-12 00:23		
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1.32	mg/kg	07/12/12 00:23		1





## Hits Summary

445224



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: #2 Floor	Matrix: Soil	% Moisture:
Lab Sample Id: 445224-002	Date Collected: Jul-05-12 12:15	Basis: Wet Weight
Sample Depth: 3 - 3 ft	Date Received: Jul-06-12 09:35	

**Analytical Method:** Percent Moisture

Seq Number: 891872

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	19.5	%	07/10/12 15:40		1



## Hits Summary

445224



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: #3 East Wall		Matrix: Soil	% Moisture: 13.77			
Lab Sample Id: 445224-003		Date Collected: Jul-05-12 12:20	Basis: Dry Weight			
Sample Depth: 3 - 3 ft		Date Received: Jul-06-12 09:35				
Analytical Method: Inorganic Anions by EPA 300/300.1			Prep Method: E300P			
Seq Number: 892049			Date Prep: Jul-12-12 00:39			
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	12.6	mg/kg	07/12/12 00:39		1



## Hits Summary

445224



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: <b>#3 East Wall</b>	Matrix: <b>Soil</b>	% Moisture:
Lab Sample Id: <b>445224-003</b>	Date Collected: <b>Jul-05-12 12:20</b>	Basis: <b>Wet Weight</b>
Sample Depth: <b>3 - 3 ft</b>	Date Received: <b>Jul-06-12 09:35</b>	

**Analytical Method: Percent Moisture**

Seq Number: 891872

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	13.8	%	07/10/12 15:40		1





## Hits Summary

445224



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: #4 Flowpath		Matrix: Soil		% Moisture: 18.56		
Lab Sample Id: 445224-004		Date Collected: Jul-05-12 12:35		Basis: Dry Weight		
Sample Depth: 1 - 1 ft		Date Received: Jul-06-12 09:35				
Analytical Method: Inorganic Anions by EPA 300/300.1				Prep Method: E300P		
Seq Number: 892049				Date Prep: Jul-12-12 00:55		
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	24.4	mg/kg	07/12/12 00:55		1



## Hits Summary

445224



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: #4 Flowpath		Matrix: Soil		% Moisture:		
Lab Sample Id: 445224-004		Date Collected: Jul-05-12 12:35		Basis: Wet Weight		
Sample Depth: 1 - 1 ft		Date Received: Jul-06-12 09:35				
Analytical Method: Percent Moisture						
Seq Number: 891872						
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	18.6	%	07/10/12 15:40		1



## Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: #5 Flowpath		Matrix: Soil	% Moisture: 18.05			
Lab Sample Id: 445224-005		Date Collected: Jul-05-12 12:50	Basis: Dry Weight			
Sample Depth: 1 - 1 ft		Date Received: Jul-06-12 09:35				
Analytical Method: Inorganic Anions by EPA 300/300.1					Prep Method: E300P	
Seq Number: 892049					Date Prep: Jul-12-12 01:11	
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5.75	mg/kg	07/12/12 01:11		1





## Hits Summary

445224



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: #5 Flowpath		Matrix: Soil		% Moisture:		
Lab Sample Id: 445224-005		Date Collected: Jul-05-12 12:50		Basis: Wet Weight		
Sample Depth: 1 - 1 ft		Date Received: Jul-06-12 09:35				
Analytical Method: Percent Moisture						
Seq Number: 891872						
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	18.1	%	07/10/12 15:40		1

# Certificate of Analysis Summary 445224

## Southern Union Gas Services- Monahans, Monahans, TX



Project Name: MA-4

Project Id:

Contact: Rose Slade

Project Location: Lea County, NM

Date Received in Lab: Fri Jul-06-12 09:35 am

Report Date: 18-JUL-12

Project Manager: Nicholas Straccione

Analysis Requested		Lab Id:	445224-001	445224-002	445224-003	445224-004	445224-005
		Field Id:	#1 West Wall	#2 Floor	#3 East Wall	#4 Flowpath	#5 Flowpath
		Depth:	3-3 ft	3-3 ft	3-3 ft	1-1 ft	1-1 ft
		Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
		Sampled:	Jul-05-12 12:05	Jul-05-12 12:15	Jul-05-12 12:20	Jul-05-12 12:35	Jul-05-12 12:50
<b>BTEX by SW 8260B</b>		Extracted:	Jul-17-12 17:05	Jul-17-12 17:05	Jul-17-12 17:05	Jul-17-12 17:05	Jul-17-12 17:05
<b>SUB: TX104704215</b>		Analyzed:	Jul-18-12 00:01	Jul-18-12 00:25	Jul-18-12 00:49	Jul-18-12 01:13	Jul-18-12 01:36
		Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene			ND 0.00116	ND 0.00120	ND 0.00115	ND 0.00122	ND 0.00118
Toluene			ND 0.00116	ND 0.00120	ND 0.00115	ND 0.00122	ND 0.00118
Ethylbenzene			ND 0.00116	ND 0.00120	ND 0.00115	ND 0.00122	ND 0.00118
m,p-Xylenes			ND 0.00232	ND 0.00240	ND 0.00230	ND 0.00244	ND 0.00236
o-Xylene			ND 0.00116	ND 0.00120	ND 0.00115	ND 0.00122	ND 0.00118
Total BTEX			ND 0.00116	ND 0.00120	ND 0.00115	ND 0.00122	ND 0.00118
Total Xylenes			ND 0.00116	ND 0.00120	ND 0.00115	ND 0.00122	ND 0.00118
<b>Inorganic Anions by EPA 300/300.1</b>		Extracted:	Jul-12-12 00:07	Jul-12-12 00:23	Jul-12-12 00:39	Jul-12-12 00:55	Jul-12-12 01:11
<b>SUB: TX104704215</b>		Analyzed:	Jul-12-12 00:07	Jul-12-12 00:23	Jul-12-12 00:39	Jul-12-12 00:55	Jul-12-12 01:11
		Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride			1.38 1.22	1.32 1.24	12.6 1.16	24.4 1.23	5.75 1.22
<b>Percent Moisture</b>		Extracted:	Jul-10-12 15:40	Jul-10-12 15:40	Jul-10-12 15:40	Jul-10-12 15:40	Jul-10-12 15:40
<b>SUB: TX104704215</b>		Analyzed:					
		Units/RL:	% RL	% RL	% RL	% RL	% RL
Percent Moisture			17.9 1.00	19.5 1.00	13.8 1.00	18.6 1.00	18.1 1.00
<b>TPH By SW8015 Mod</b>		Extracted:	Jul-13-12 10:10	Jul-13-12 10:12	Jul-13-12 10:14	Jul-13-12 10:16	Jul-13-12 10:18
<b>SUB: TX104704215</b>		Analyzed:	Jul-13-12 14:32	Jul-13-12 15:34	Jul-13-12 16:16	Jul-13-12 16:37	Jul-13-12 17:18
		Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
C6-C12 Gasoline Range Hydrocarbons			ND 18.2	ND 18.6	ND 17.3	ND 18.4	ND 18.3
C12-C28 Diesel Range Hydrocarbons			ND 18.2	ND 18.6	ND 17.3	ND 18.4	ND 18.3
C28-C35 Oil Range Hydrocarbons			ND 18.2	ND 18.6	ND 17.3	ND 18.4	ND 18.3
Total TPH			ND 18.2	ND 18.6	ND 17.3	ND 18.4	ND 18.3

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Nicholas Straccione  
Project Manager

## Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

\* Surrogate recovered outside laboratory control limit.

**BRL** Below Reporting Limit.

**RL** Reporting Limit

**MDL** Method Detection Limit      **SDL** Sample Detection Limit      **LOD** Limit of Detection

**PQL** Practical Quantitation Limit      **MQL** Method Quantitation Limit      **LOQ** Limit of Quantitation

**DL** Method Detection Limit

**NC** Non-Calculable

+ NELAC certification not offered for this compound.

\* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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## Form 2 - Surrogate Recoveries

Project Name: MA-4

Work Orders : 445224,

Project ID:

Lab Batch #: 892167

Sample: 445224-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/13/12 14:32

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	99.8	106	70-135	
o-Terphenyl	64.4	49.9	129	70-135	

Lab Batch #: 892167

Sample: 445224-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/13/12 15:34

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	108	99.6	108	70-135	
o-Terphenyl	55.6	49.8	112	70-135	

Lab Batch #: 892167

Sample: 445224-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/13/12 16:16

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	87.3	99.7	88	70-135	
o-Terphenyl	53.4	49.9	107	70-135	

Lab Batch #: 892167

Sample: 445224-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/13/12 16:37

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	109	99.8	109	70-135	
o-Terphenyl	61.2	49.9	123	70-135	

Lab Batch #: 892167

Sample: 445224-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/13/12 17:18

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	99.9	111	70-135	
o-Terphenyl	62.0	50.0	124	70-135	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] =  $100 * A / B$

All results are based on MDL and validated for QC purposes.

## Form 2 - Surrogate Recoveries

Project Name: MA-4

Work Orders : 445224,

Project ID:

Lab Batch #: 892439

Sample: 445224-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/18/12 00:01

### SURROGATE RECOVERY STUDY

BTEX by SW 8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.0513	0.0500	103	58-152	
Dibromofluoromethane	0.0362	0.0500	72	74-126	**
1,2-Dichloroethane-D4	0.0376	0.0500	75	80-120	**
Toluene-D8	0.0556	0.0500	111	73-132	

Lab Batch #: 892439

Sample: 445224-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/18/12 00:25

### SURROGATE RECOVERY STUDY

BTEX by SW 8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.0518	0.0500	104	58-152	
Dibromofluoromethane	0.0425	0.0500	85	74-126	
1,2-Dichloroethane-D4	0.0439	0.0500	88	80-120	
Toluene-D8	0.0532	0.0500	106	73-132	

Lab Batch #: 892439

Sample: 445224-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/18/12 00:49

### SURROGATE RECOVERY STUDY

BTEX by SW 8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.0512	0.0500	102	58-152	
Dibromofluoromethane	0.0416	0.0500	83	74-126	
1,2-Dichloroethane-D4	0.0424	0.0500	85	80-120	
Toluene-D8	0.0527	0.0500	105	73-132	

Lab Batch #: 892439

Sample: 445224-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/18/12 01:13

### SURROGATE RECOVERY STUDY

BTEX by SW 8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.0506	0.0500	101	58-152	
Dibromofluoromethane	0.0437	0.0500	87	74-126	
1,2-Dichloroethane-D4	0.0458	0.0500	92	80-120	
Toluene-D8	0.0527	0.0500	105	73-132	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] =  $100 \times A / B$

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: MA-4

Work Orders : 445224,

Project ID:

Lab Batch #: 892439

Sample: 445224-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/18/12 01:36

## SURROGATE RECOVERY STUDY

BTEX by SW 8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.0516	0.0500	103	58-152	
Dibromofluoromethane	0.0465	0.0500	93	74-126	
1,2-Dichloroethane-D4	0.0487	0.0500	97	80-120	
Toluene-D8	0.0513	0.0500	103	73-132	

Lab Batch #: 892167

Sample: 624523-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 07/13/12 10:33

## SURROGATE RECOVERY STUDY

TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	108	100	108	70-135	
o-Terphenyl	59.1	50.0	118	70-135	

Lab Batch #: 892439

Sample: 624721-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 07/17/12 23:37

## SURROGATE RECOVERY STUDY

BTEX by SW 8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.0494	0.0500	99	58-152	
Dibromofluoromethane	0.0453	0.0500	91	74-126	
1,2-Dichloroethane-D4	0.0452	0.0500	90	80-120	
Toluene-D8	0.0505	0.0500	101	73-132	

Lab Batch #: 892167

Sample: 624523-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 07/13/12 10:53

## SURROGATE RECOVERY STUDY

TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	112	100	112	70-135	
o-Terphenyl	52.3	50.0	105	70-135	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] =  $100 * A / B$

All results are based on MDL and validated for QC purposes.



## Form 2 - Surrogate Recoveries

Project Name: MA-4

Work Orders : 445224,

Project ID:

Lab Batch #: 892439

Sample: 624721-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 07/17/12 22:02

### SURROGATE RECOVERY STUDY

BTEX by SW 8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.0490	0.0500	98	58-152	
Dibromofluoromethane	0.0421	0.0500	84	74-126	
1,2-Dichloroethane-D4	0.0449	0.0500	90	80-120	
Toluene-D8	0.0488	0.0500	98	73-132	

Lab Batch #: 892167

Sample: 624523-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 07/13/12 11:14

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	106	100	106	70-135	
o-Terphenyl	43.9	50.0	88	70-135	

Lab Batch #: 892439

Sample: 624721-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 07/17/12 22:26

### SURROGATE RECOVERY STUDY

BTEX by SW 8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.0480	0.0500	96	58-152	
Dibromofluoromethane	0.0457	0.0500	91	74-126	
1,2-Dichloroethane-D4	0.0465	0.0500	93	80-120	
Toluene-D8	0.0489	0.0500	98	73-132	

Lab Batch #: 892167

Sample: 445224-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/13/12 14:53

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	102	99.9	102	70-135	
o-Terphenyl	52.9	50.0	106	70-135	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] =  $100 \times A / B$

All results are based on MDL and validated for QC purposes.

## Form 2 - Surrogate Recoveries

Project Name: MA-4

Work Orders : 445224,

Project ID:

Lab Batch #: 892167

Sample: 445224-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/13/12 15:14

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.6	99.9	93	70-135	
o-Terphenyl	55.2	50.0	110	70-135	

Lab Batch #: 892439

Sample: 445224-001 D / MD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/18/12 02:00

### SURROGATE RECOVERY STUDY

BTEX by SW 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0519	0.0500	104	58-152	
Dibromofluoromethane	0.0390	0.0500	78	74-126	
1,2-Dichloroethane-D4	0.0405	0.0500	81	80-120	
Toluene-D8	0.0560	0.0500	112	73-132	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] =  $100 * A / B$

All results are based on MDL and validated for QC purposes.

**Project Name: MA-4**

**Work Order #: 445224**

**Analyst: BEC**

**Date Prepared: 07/17/2012**

**Project ID:**

**Date Analyzed: 07/17/2012**

**Lab Batch ID: 892439**

**Sample: 624721-1-BKS**

**Batch #: 1**

**Matrix: Solid**

**Units: mg/kg**

## BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

<b>BTEX by SW 8260B</b>	<b>Blank Sample Result [A]</b>	<b>Spike Added [B]</b>	<b>Blank Spike Result [C]</b>	<b>Blank Spike %R [D]</b>	<b>Spike Added [E]</b>	<b>Blank Spike Duplicate Result [F]</b>	<b>Blk. Spk Dup. %R [G]</b>	<b>RPD %</b>	<b>Control Limits %R</b>	<b>Control Limits %RPD</b>	<b>Flag</b>
<b>Analytes</b>											
Benzene	<0.00100	0.100	0.0842	84	0.100	0.0830	83	1	62-132	25	
Toluene	<0.00100	0.100	0.0935	94	0.100	0.0901	90	4	66-124	25	
Ethylbenzene	<0.00100	0.100	0.0984	98	0.100	0.0929	93	6	71-134	25	
m,p-Xylenes	<0.00200	0.200	0.190	95	0.200	0.180	90	5	69-128	25	
o-Xylene	<0.00100	0.100	0.0962	96	0.100	0.0921	92	4	72-131	25	

**Analyst: TTE**

**Date Prepared: 07/11/2012**

**Date Analyzed: 07/11/2012**

**Lab Batch ID: 892049**

**Sample: 624456-1-BKS**

**Batch #: 1**

**Matrix: Solid**

**Units: mg/kg**

## BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

<b>Inorganic Anions by EPA 300/300.1</b>	<b>Blank Sample Result [A]</b>	<b>Spike Added [B]</b>	<b>Blank Spike Result [C]</b>	<b>Blank Spike %R [D]</b>	<b>Spike Added [E]</b>	<b>Blank Spike Duplicate Result [F]</b>	<b>Blk. Spk Dup. %R [G]</b>	<b>RPD %</b>	<b>Control Limits %R</b>	<b>Control Limits %RPD</b>	<b>Flag</b>
<b>Analytes</b>											
Chloride	<1.00	100	104	104	100	104	104	0	80-120	20	

Relative Percent Difference RPD =  $200 * [(C-F)/(C+F)]$

Blank Spike Recovery [D] =  $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] =  $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



**Project Name: MA-4**

**Work Order #: 445224**

**Analyst: JUJ**

**Date Prepared: 07/13/2012**

**Project ID:**

**Date Analyzed: 07/13/2012**

**Lab Batch ID: 892167**

**Sample: 624523-1-BKS**

**Batch #: 1**

**Matrix: Solid**

**Units: mg/kg**

## BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod  Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<15.0	1000	858	86	1000	891	89	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	1000	909	91	1000	848	85	7	70-135	35	

Relative Percent Difference RPD =  $200 * |(C-F)/(C+F)|$

Blank Spike Recovery [D] =  $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] =  $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes

# Form 3 - MS Recoveries



Project Name: MA-4

Work Order #: 445224

Lab Batch #: 892049

Date Analyzed: 07/12/2012

QC- Sample ID: 445298-002 S

Reporting Units: mg/kg

Project ID:

Analyst: TTE

Date Prepared: 07/12/2012

Batch #: 1

Matrix: Solid

Inorganic Anions by EPA 300		MATRIX / MATRIX SPIKE RECOVERY STUDY				
Analytes		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R
Chloride		99.2	102	186	85	80-120

Lab Batch #: 892049

Date Analyzed: 07/11/2012

QC- Sample ID: 445299-001 S

Reporting Units: mg/kg

Date Prepared: 07/11/2012

Analyst: TTE

Batch #: 1

Matrix: Solid

Inorganic Anions by EPA 300		MATRIX / MATRIX SPIKE RECOVERY STUDY				
Analytes		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R
Chloride		82.8	106	178	90	80-120

Matrix Spike Percent Recovery [D] =  $100 \times (C-A)/B$   
 Relative Percent Difference [E] =  $200 \times (C-A)/(C+B)$   
 All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



Project Name: MA-4

Work Order # : 445224

Project ID:

Lab Batch ID: 892167

QC- Sample ID: 445224-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 07/13/2012

Date Prepared: 07/13/2012

Analyst: JUJ

Reporting Units: mg/kg

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<18.2	1220	1080	89	1220	1090	89	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<18.2	1220	1130	93	1220	1010	83	11	70-135	35	

Matrix Spike Percent Recovery  $[D] = 100 * (C - A) / B$   
Relative Percent Difference  $RPD = 200 * |(C - F) / (C + F)|$

Matrix Spike Duplicate Percent Recovery  $[G] = 100 * (F - A) / E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable  
N = See Narrative, EQL = Estimated Quantitation Limit



**Project Name: MA-4**

**Work Order #: 445224**

**Lab Batch #: 892439**

**Date Analyzed: 07/18/2012 02:00**

**QC- Sample ID: 445224-001 D**

**Reporting Units: mg/kg**

**Project ID:**

**Analyst: BEC**

**Date Prepared: 07/17/2012**

**Batch #: 1**

**Matrix: Soil**

SAMPLE / SAMPLE DUPLICATE RECOVERY					
BTEX by SW 8260B	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Benzene	<0.00118	<0.00118	0	25	U
Toluene	<0.00118	<0.00118	0	25	U
Ethylbenzene	<0.00118	<0.00118	0	25	U
m,p-Xylenes	<0.00236	<0.00236	0	25	U
o-Xylene	<0.00118	<0.00118	0	25	U

**Lab Batch #: 891872**

**Date Analyzed: 07/10/2012 15:40**

**QC- Sample ID: 445224-001 D**

**Reporting Units: %**

**Date Prepared: 07/10/2012**

**Batch #: 1**

**Analyst: RKO**

**Matrix: Soil**

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	17.9	18.1	1	20	

**Lab Batch #: 891872**

**Date Analyzed: 07/10/2012 15:40**

**QC- Sample ID: 445299-002 D**

**Reporting Units: %**

**Date Prepared: 07/10/2012**

**Batch #: 1**

**Analyst: RKO**

**Matrix: Solid**

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	15.9	15.6	2	20	

Spike Relative Difference RPD  $200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit



## Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- Monahan

Date/ Time Received: 07/06/2012 09:35:00 AM

Work Order #: 445224

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.5
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles/ container?	N/A
#6 *Custody Seals Signed and dated for Containers/coolers	N/A
#7 *Chain of Custody present?	Yes
#8 Sample instructions complete on Chain of Custody?	Yes
#9 Any missing/extra samples?	No
#10 Chain of Custody signed when relinquished/ received?	Yes
#11 Chain of Custody agrees with sample label(s)?	Yes
#12 Container label(s) legible and intact?	Yes
#13 Sample matrix/ properties agree with Chain of Custody?	Yes
#14 Samples in proper container/ bottle?	Yes
#15 Samples properly preserved?	Yes
#16 Sample container(s) intact?	Yes
#17 Sufficient sample amount for indicated test(s)?	Yes
#18 All samples received within hold time?	Yes
#19 Subcontract of sample(s)?	Yes
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	N/A
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	N/A
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	N/A

\* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:	PH Device/Lot#:
----------	-----------------

Checklist completed by: \_\_\_\_\_

Date: 07/06/2012

Checklist reviewed by: \_\_\_\_\_

Date: 07/06/2012



## Xenco Laboratories

### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**12600 West I-20 East  
Odessa, Texas 79765**

**Phone: 432-563-1800**  
**Fax: 432-563-1713**

Project Name: MA-4

Project #:

Project Loc: Lea County, NM

PO #:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

e-mail: [pm@basinenv.com](mailto:pm@basinenv.com); [Rose.Slade@SUG.com](mailto:Rose.Slade@SUG.com)

(lab use only)

ORDER #: 445224

[illegible]

Special Instructions:

**\*\*Run BTEX on samples with TPH less than 1,000 mg/Kg\*\***

Laboratory Comments:

Sample Containers Intact?		N
VOCs Free of Headspace?		N
Labels on container(s)		N
Custody seals on container(s)		N
Custody seals on cooler(s)		N
Sample Hand Delivered		N
by Sampler/Client Rep. ?		N
by Courier? UPS DHL FedEx Lone Star		
402 Cg.		
Temperature Upon Receipt:	75	°C

Relinquished by: <i>Leah L. Blakemore</i>	Date <i>7-5-12</i>	Time <i>5:20</i>	Received by: <i>Michael R...</i>	Date <i>7-5-12</i>	Time <i>5:20</i>
Relinquished by: <i>Michael R...</i>	Date <i>7-6-12</i>	Time <i>9:35</i>	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELDT: <i>A. Hernandez</i>	Date <i>7/6/12</i>	Time <i>9:35</i>



**Analytical Report 445376**  
**for**  
**Southern Union Gas Services- Monahans**

**Project Manager: Rose Slade**

**MA-4**

**12-JUL-12**

Collected By: Client



**Celebrating 20 Years of commitment to excellence in Environmental Testing Services**



**12600 West I-20 East Odessa, Texas 79765**

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)  
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)  
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)  
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)  
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Lakeland: Florida (E84098)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)



12-JUL-12

Project Manager: **Rose Slade**  
**Southern Union Gas Services- Monahans**  
801 South Loop 464  
Monahans, TX 79756

Reference: XENCO Report No: **445376**  
**MA-4**  
Project Address: Lea County, NM

**Rose Slade:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 445376. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 445376 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

---

**Nicholas Straccione**

Project Manager

*Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.  
Certified and approved by numerous States and Agencies.  
A Small Business and Minority Status Company that delivers SERVICE and QUALITY*

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

**Sample Cross Reference 445376**

**Southern Union Gas Services- Monahans, Monahans, TX**  
**MA-4**

<b>Sample Id</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Sample Depth</b>	<b>Lab Sample Id</b>
# 6 Flow Path	S	07-06-12 11:45	- 1 ft	445376-001
# 7 Flow Path	S	07-06-12 12:05	- 1 ft	445376-002
South Wall	S	07-09-12 11:20	- 5 ft	445376-003
East Wall R.P.	S	07-09-12 11:20	- 6 ft	445376-004
West Wall R.P.	S	07-10-12 09:25	- 5 ft	445376-005
West Floor R.P.	S	07-10-12 10:10	- 5 ft	445376-006
East Floor R.P.	S	07-10-12 09:50	- 5 ft	445376-007





## CASE NARRATIVE

*Client Name: Southern Union Gas Services- Monahans*

*Project Name: MA-4*



*Project ID:*  
*Work Order Number: 445376*

*Report Date: 12-JUL-12*  
*Date Received: 07/10/2012*

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**Sample receipt non conformances and comments:**

None

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**Sample receipt non conformances and comments per sample:**

None

**Analytical non nonformances and comments:**

Batch: LBA-892003 TPH By SW8015 Mod  
SW8015MOD\_NM

Batch 892003, C6-C12 Gasoline Range Hydrocarbons recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 445376-004, -007, -002, -001, -003, -005, -006.

The Laboratory Control Sample for C6-C12 Gasoline Range Hydrocarbons is within laboratory Control Limits

Batch: LBA-892008 BTEX by EPA 8021B  
SW8021BM

Batch 892008, 4-Bromofluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 445376-001,445376-002,445376-003,445376-007,445376-005,445376-006,445376-004.



## Hits Summary

445376



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: # 6 Flow Path		Matrix: Soil		% Moisture: .89		
Lab Sample Id: 445376-001		Date Collected: Jul-06-12 11:45		Basis: Dry Weight		
Sample Depth: 1 ft		Date Received: Jul-10-12 16:40				
Analytical Method: Inorganic Anions by EPA 300/300.1				Prep Method: E300P		
Seq Number: 891966				Date Prep: Jul-11-12 11:26		
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2.86	mg/kg	07/11/12 11:26		1



## Hits Summary

445376



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: # 7 Flow Path		Matrix: Soil		% Moisture: 3.39		
Lab Sample Id: 445376-002		Date Collected: Jul-06-12 12:05		Basis: Dry Weight		
Sample Depth: 1 ft		Date Received: Jul-10-12 16:40				
Analytical Method: Inorganic Anions by EPA 300/300.1				Prep Method: E300P		
Seq Number: 891966				Date Prep: Jul-11-12 11:59		
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5.20	mg/kg	07/11/12 11:59		1





## Hits Summary

445376



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: # 7 Flow Path	Matrix: Soil	% Moisture:
Lab Sample Id: 445376-002	Date Collected: Jul-06-12 12:05	Basis: Wet Weight
Sample Depth: 1 ft	Date Received: Jul-10-12 16:40	

#### Analytical Method: Percent Moisture

Seq Number: 891976

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	3.39	%	07/11/12 10:10		1



## Hits Summary

445376



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: <b>South Wall</b>		Matrix: <b>Soil</b>		% Moisture: <b>4.64</b>		
Lab Sample Id: <b>445376-003</b>		Date Collected: <b>Jul-09-12 11:20</b>		Basis: <b>Dry Weight</b>		
Sample Depth: <b>5 ft</b>		Date Received: <b>Jul-10-12 16:40</b>				
Analytical Method: <b>Inorganic Anions by EPA 300/300.1</b>				Prep Method: <b>E300P</b>		
Seq Number: <b>891966</b>				Date Prep: <b>Jul-11-12 12:15</b>		
<b>Parameter</b>	<b>Cas Number</b>	<b>Result</b>	<b>Units</b>	<b>Analysis Date</b>	<b>Flag</b>	<b>Dil</b>
Chloride	16887-00-6	1.63	mg/kg	07/11/12 12:15		1



## Hits Summary

445376



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: <b>South Wall</b>	Matrix: <b>Soil</b>	% Moisture:
Lab Sample Id: <b>445376-003</b>	Date Collected: <b>Jul-09-12 11:20</b>	Basis: <b>Wet Weight</b>
Sample Depth: <b>5 ft</b>	Date Received: <b>Jul-10-12 16:40</b>	

#### Analytical Method: **Percent Moisture**

Seq Number: 891976

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	4.64	%	07/11/12 10:10		1





## Hits Summary

445376



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: <b>East Wall R.P.</b>		Matrix: <b>Soil</b>		% Moisture: <b>3.84</b>		
Lab Sample Id: <b>445376-004</b>		Date Collected: <b>Jul-09-12 11:20</b>		Basis: <b>Dry Weight</b>		
Sample Depth: <b>6 ft</b>		Date Received: <b>Jul-10-12 16:40</b>				
Analytical Method: <b>Inorganic Anions by EPA 300/300.1</b>				Prep Method: <b>E300P</b>		
Seq Number: <b>891966</b>				Date Prep: <b>Jul-11-12 12:31</b>		
<b>Parameter</b>	<b>Cas Number</b>	<b>Result</b>	<b>Units</b>	<b>Analysis Date</b>	<b>Flag</b>	<b>Dil</b>
Chloride	16887-00-6	6.65	mg/kg	07/11/12 12:31		1



## Hits Summary

445376



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: <b>East Wall R.P.</b>	Matrix: <b>Soil</b>	% Moisture:
Lab Sample Id: <b>445376-004</b>	Date Collected: <b>Jul-09-12 11:20</b>	Basis: <b>Wet Weight</b>
Sample Depth: <b>6 ft</b>	Date Received: <b>Jul-10-12 16:40</b>	

**Analytical Method: Percent Moisture**

Seq Number: 891976

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	3.84	%	07/11/12 10:10		1



## Hits Summary

445376



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: <b>West Wall R.P.</b>		Matrix: <b>Soil</b>		% Moisture: <b>5.73</b>		
Lab Sample Id: <b>445376-005</b>		Date Collected: <b>Jul-10-12 09:25</b>		Basis: <b>Dry Weight</b>		
Sample Depth: <b>5 ft</b>		Date Received: <b>Jul-10-12 16:40</b>				
Analytical Method: <b>Inorganic Anions by EPA 300/300.1</b>				Prep Method: <b>E300P</b>		
Seq Number: <b>891966</b>				Date Prep: <b>Jul-11-12 12:47</b>		
<b>Parameter</b>	<b>Cas Number</b>	<b>Result</b>	<b>Units</b>	<b>Analysis Date</b>	<b>Flag</b>	<b>Dil</b>
Chloride	16887-00-6	85.2	mg/kg	07/11/12 12:47		1





## Hits Summary

445376



Southern Union Gas Services- Monahans, Monahans, TX  
MA-4

Sample Id: <b>West Wall R.P.</b>	Matrix: <b>Soil</b>	% Moisture:
Lab Sample Id: <b>445376-005</b>	Date Collected: <b>Jul-10-12 09:25</b>	Basis: <b>Wet Weight</b>
Sample Depth: <b>5 ft</b>	Date Received: <b>Jul-10-12 16:40</b>	

**Analytical Method: Percent Moisture**

Seq Number: 891976

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	5.73	%	07/11/12 10:10		1



## Hits Summary

445376



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: <b>West Floor R.P.</b>		Matrix: <b>Soil</b>		% Moisture: <b>10.4</b>		
Lab Sample Id: <b>445376-006</b>		Date Collected: <b>Jul-10-12 10:10</b>		Basis: <b>Dry Weight</b>		
Sample Depth: <b>5 ft</b>		Date Received: <b>Jul-10-12 16:40</b>				
Analytical Method: <b>Inorganic Anions by EPA 300/300.1</b>				Prep Method: <b>E300P</b>		
Seq Number: <b>891966</b>				Date Prep: <b>Jul-11-12 13:03</b>		
<b>Parameter</b>	<b>Cas Number</b>	<b>Result</b>	<b>Units</b>	<b>Analysis Date</b>	<b>Flag</b>	<b>Dil</b>
Chloride	16887-00-6	263	mg/kg	07/11/12 13:03		1



## Hits Summary

445376



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: <b>West Floor R.P.</b>		Matrix: <b>Soil</b>		% Moisture:		
Lab Sample Id: <b>445376-006</b>		Date Collected: <b>Jul-10-12 10:10</b>		Basis: <b>Wet Weight</b>		
Sample Depth: <b>5 ft</b>		Date Received: <b>Jul-10-12 16:40</b>				
<b>Analytical Method: Percent Moisture</b>						
Seq Number: 891976						
<b>Parameter</b>	<b>Cas Number</b>	<b>Result</b>	<b>Units</b>	<b>Analysis Date</b>	<b>Flag</b>	<b>Dil</b>
Percent Moisture	TMOIST	10.4	%	07/11/12 10:10		1





## Hits Summary

445376



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: <b>East Floor R.P.</b>		Matrix: <b>Soil</b>		% Moisture:		
Lab Sample Id: <b>445376-007</b>		Date Collected: <b>Jul-10-12 09:50</b>		Basis: <b>Wet Weight</b>		
Sample Depth: <b>5 ft</b>		Date Received: <b>Jul-10-12 16:40</b>				
<b>Analytical Method: Percent Moisture</b>						
Seq Number: 891976						
<b>Parameter</b>	<b>Cas Number</b>	<b>Result</b>	<b>Units</b>	<b>Analysis Date</b>	<b>Flag</b>	<b>Dil</b>
Percent Moisture	TMOIST	9.31	%	07/11/12 10:10		1



## Hits Summary

445376



### Southern Union Gas Services- Monahans, Monahans, TX MA-4

Sample Id: <b>East Floor R.P.</b>		Matrix: <b>Soil</b>		% Moisture:		
Lab Sample Id: <b>445376-007</b>		Date Collected: <b>Jul-10-12 09:50</b>		Basis: <b>Wet Weight</b>		
Sample Depth: <b>5 ft</b>		Date Received: <b>Jul-10-12 16:40</b>				
<b>Analytical Method: Inorganic Anions by EPA 300/300.1</b>				Prep Method: E300P		
Seq Number: 891966				Date Prep: Jul-11-12 13:51		
<b>Parameter</b>	<b>Cas Number</b>	<b>Result</b>	<b>Units</b>	<b>Analysis Date</b>	<b>Flag</b>	<b>Dil</b>
Chloride	16887-00-6	67.1	mg/kg	07/11/12 13:51		1

# Certificate of Analysis Summary 445376

## Southern Union Gas Services- Monahans, Monahans, TX



Project Name: MA-4

Project Id:

Contact: Rose Slade

Project Location: Lea County, NM

Date Received in Lab: Tue Jul-10-12 04:40 pm

Report Date: 12-JUL-12

Project Manager: Nicholas Straccione

Analysis Requested		Lab Id:	445376-001	445376-002	445376-003	445376-004	445376-005	445376-006
Field Id:			# 6 Flow Path	# 7 Flow Path	South Wall	East Wall R.P.	West Wall R.P.	West Floor R.P.
Depth:			1 ft	1 ft	5 ft	6 ft	5 ft	5 ft
Matrix:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sampled:			Jul-06-12 11:45	Jul-06-12 12:05	Jul-09-12 11:20	Jul-09-12 11:20	Jul-10-12 09:25	Jul-10-12 10:10
BTEX by EPA 8021B	Extracted:		Jul-11-12 08:45	Jul-11-12 08:45	Jul-11-12 08:45	Jul-11-12 08:45	Jul-11-12 08:45	Jul-11-12 08:45
	Analyzed:		Jul-11-12 13:44	Jul-11-12 14:06	Jul-11-12 14:29	Jul-11-12 14:52	Jul-11-12 15:57	Jul-11-12 16:20
	Units/RL:		mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene			ND 0.00100	ND 0.00104	ND 0.00105	ND 0.00104	ND 0.00105	ND 0.00112
Toluene			ND 0.00201	ND 0.00207	ND 0.00209	ND 0.00208	ND 0.00211	ND 0.00224
Ethylbenzene			ND 0.00100	ND 0.00104	ND 0.00105	ND 0.00104	ND 0.00105	ND 0.00112
m_p-Xylenes			ND 0.00201	ND 0.00207	ND 0.00209	ND 0.00208	ND 0.00211	ND 0.00224
o-Xylene			ND 0.00100	ND 0.00104	ND 0.00105	ND 0.00104	ND 0.00105	ND 0.00112
Total Xylenes			ND 0.00100	ND 0.00104	ND 0.00105	ND 0.00104	ND 0.00105	ND 0.00112
Total BTEX			ND 0.00100	ND 0.00104	ND 0.00105	ND 0.00104	ND 0.00105	ND 0.00112
Inorganic Anions by EPA 300/300.1 SUB: TX104704215	Extracted:		Jul-11-12 11:26	Jul-11-12 11:59	Jul-11-12 12:15	Jul-11-12 12:31	Jul-11-12 12:47	Jul-11-12 13:03
	Analyzed:		Jul-11-12 11:26	Jul-11-12 11:59	Jul-11-12 12:15	Jul-11-12 12:31	Jul-11-12 12:47	Jul-11-12 13:03
	Units/RL:		mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride			2.86 1.01	5.20 1.04	1.63 1.05	6.65 1.04	85.2 1.06	263 1.12
Percent Moisture								
Percent Moisture	Extracted:		Jul-11-12 10:10	Jul-11-12 10:10	Jul-11-12 10:10	Jul-11-12 10:10	Jul-11-12 10:10	Jul-11-12 10:10
	Analyzed:		% RL	% RL	% RL	% RL	% RL	% RL
	Units/RL:		ND 1.00	3.39 1.00	4.64 1.00	3.84 1.00	5.73 1.00	10.4 1.00
TPH By SW8015 Mod								
TPH By SW8015 Mod	Extracted:		Jul-11-12 09:40	Jul-11-12 09:40	Jul-11-12 09:40	Jul-11-12 09:40	Jul-11-12 09:40	Jul-11-12 09:40
	Analyzed:		Jul-11-12 12:42	Jul-11-12 13:11	Jul-11-12 13:41	Jul-11-12 14:11	Jul-11-12 14:40	Jul-11-12 15:09
	Units/RL:		mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
C6-C12 Gasoline Range Hydrocarbons			ND 15.1	ND 15.5	ND 15.7	ND 15.5	ND 15.9	ND 16.7
C12-C28 Diesel Range Hydrocarbons			ND 15.1	ND 15.5	ND 15.7	ND 15.5	ND 15.9	ND 16.7
C28-C35 Oil Range Hydrocarbons			ND 15.1	ND 15.5	ND 15.7	ND 15.5	ND 15.9	ND 16.7
Total TPH			ND 15.1	ND 15.5	ND 15.7	ND 15.5	ND 15.9	ND 16.7

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Nicholas Straccione  
Project Manager



# Certificate of Analysis Summary 445376

## Southern Union Gas Services- Monahans, Monahans, TX



Project Name: MA-4

Project Id:

Contact: Rose Slade

Project Location: Lea County, NM

Date Received in Lab: Tue Jul-10-12 04:40 pm

Report Date: 12-JUL-12

Project Manager: Nicholas Straccione

Analysis Requested		Lab Id:	445376-007				
		Field Id:	East Floor R.P.				
		Depth:	5 ft				
		Matrix:	SOIL				
		Sampled:	Jul-10-12 09:50				
BTEX by EPA 8021B		Extracted:	Jul-11-12 08:45				
		Analyzed:	Jul-11-12 16:43				
		Units/RL:	mg/kg RL				
Benzene			ND 0.00111				
Toluene			ND 0.00221				
Ethylbenzene			ND 0.00111				
m_p-Xylenes			ND 0.00221				
o-Xylene			ND 0.00111				
Total Xylenes			ND 0.00111				
Total BTEX			ND 0.00111				
Inorganic Anions by EPA 300/300.1		Extracted:	Jul-11-12 13:51				
SUB: TX104704215		Analyzed:	Jul-11-12 13:51				
		Units/RL:	mg/kg RL				
Chloride			67.1 1.00				
Percent Moisture		Extracted:					
		Analyzed:	Jul-11-12 10:10				
		Units/RL:	% RL				
Percent Moisture			9.31 1.00				
TPH By SW8015 Mod		Extracted:	Jul-11-12 09:40				
		Analyzed:	Jul-11-12 15:38				
		Units/RL:	mg/kg RL				
C6-C12 Gasoline Range Hydrocarbons			ND 16.5				
C12-C28 Diesel Range Hydrocarbons			ND 16.5				
C28-C35 Oil Range Hydrocarbons			ND 16.5				
Total TPH			ND 16.5				

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Nicholas Straccione  
Project Manager



## Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

\* Surrogate recovered outside laboratory control limit.

**BRL** Below Reporting Limit.

**RL** Reporting Limit

**MDL** Method Detection Limit      **SDL** Sample Detection Limit      **LOD** Limit of Detection

**PQL** Practical Quantitation Limit      **MQL** Method Quantitation Limit      **LOQ** Limit of Quantitation

**DL** Method Detection Limit

**NC** Non-Calculable

+ NELAC certification not offered for this compound.

\* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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(813) 620-2000	(813) 620-2033
(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	

## Form 2 - Surrogate Recoveries

Project Name: MA-4

Work Orders : 445376,

Project ID:

Lab Batch #: 892003

Sample: 445376-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/11/12 12:42

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	83.2	100	83	70-135	
o-Terphenyl	45.3	50.1	90	70-135	

Lab Batch #: 892003

Sample: 445376-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/11/12 13:11

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	84.5	99.9	85	70-135	
o-Terphenyl	44.7	50.0	89	70-135	

Lab Batch #: 892003

Sample: 445376-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/11/12 13:41

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	84.9	99.9	85	70-135	
o-Terphenyl	46.6	50.0	93	70-135	

Lab Batch #: 892008

Sample: 445376-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/11/12 13:44

### SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0282	0.0300	94	80-120	
4-Bromofluorobenzene	0.0237	0.0300	79	80-120	*

Lab Batch #: 892008

Sample: 445376-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/11/12 14:06

### SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0284	0.0300	95	80-120	
4-Bromofluorobenzene	0.0231	0.0300	77	80-120	*

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] =  $100 \times A / B$

All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: MA-4

Work Orders : 445376,

Project ID:

Lab Batch #: 892003

Sample: 445376-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/11/12 14:11

## SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	84.8	99.5	85	70-135	
o-Terphenyl	45.9	49.8	92	70-135	

Lab Batch #: 892008

Sample: 445376-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/11/12 14:29

## SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0282	0.0300	94	80-120	
4-Bromofluorobenzene	0.0226	0.0300	75	80-120	*

Lab Batch #: 892003

Sample: 445376-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/11/12 14:40

## SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	87.9	99.7	88	70-135	
o-Terphenyl	48.1	49.9	96	70-135	

Lab Batch #: 892008

Sample: 445376-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/11/12 14:52

## SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0280	0.0300	93	80-120	
4-Bromofluorobenzene	0.0223	0.0300	74	80-120	*

Lab Batch #: 892003

Sample: 445376-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/11/12 15:09

## SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	85.3	99.8	85	70-135	
o-Terphenyl	46.8	49.9	94	70-135	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] =  $100 \times A / B$

All results are based on MDL and validated for QC purposes.

## Form 2 - Surrogate Recoveries

Project Name: MA-4

Work Orders : 445376,

Project ID:

Lab Batch #: 892003

Sample: 445376-007 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/11/12 15:38

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	86.4	100	86	70-135	
o-Terphenyl	47.4	50.0	95	70-135	

Lab Batch #: 892008

Sample: 445376-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/11/12 15:57

### SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0282	0.0300	94	80-120	
4-Bromofluorobenzene	0.0224	0.0300	75	80-120	*

Lab Batch #: 892008

Sample: 445376-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/11/12 16:20

### SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0273	0.0300	91	80-120	
4-Bromofluorobenzene	0.0210	0.0300	70	80-120	*

Lab Batch #: 892008

Sample: 445376-007 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/11/12 16:43

### SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0269	0.0300	90	80-120	
4-Bromofluorobenzene	0.0206	0.0300	69	80-120	*

Lab Batch #: 892003

Sample: 624425-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 07/11/12 12:12

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	83.5	100	84	70-135	
o-Terphenyl	45.9	50.0	92	70-135	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] =  $100 * A / B$

All results are based on MDL and validated for QC purposes.



## Form 2 - Surrogate Recoveries

Project Name: MA-4

Work Orders : 445376,

Project ID:

Lab Batch #: 892008

Sample: 624433-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 07/11/12 12:13

### SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0281	0.0300	94	80-120	
4-Bromofluorobenzene	0.0241	0.0300	80	80-120	

Lab Batch #: 892008

Sample: 624433-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 07/11/12 10:42

### SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0300	0.0300	100	80-120	
4-Bromofluorobenzene	0.0275	0.0300	92	80-120	

Lab Batch #: 892003

Sample: 624425-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 07/11/12 11:14

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	98.4	100	98	70-135	
o-Terphenyl	49.4	50.0	99	70-135	

Lab Batch #: 892008

Sample: 624433-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 07/11/12 11:05

### SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0308	0.0300	103	80-120	
4-Bromofluorobenzene	0.0272	0.0300	91	80-120	

Lab Batch #: 892003

Sample: 624425-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 07/11/12 11:42

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	97.2	99.7	97	70-135	
o-Terphenyl	49.5	49.9	99	70-135	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] =  $100 \times A / B$

All results are based on MDL and validated for QC purposes.

## Form 2 - Surrogate Recoveries

Project Name: MA-4

Work Orders : 445376,

Project ID:

Lab Batch #: 892003

Sample: 445376-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/11/12 16:12

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.0	100	90	70-135	
o-Terphenyl	44.4	50.0	89	70-135	

Lab Batch #: 892003

Sample: 445376-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/11/12 16:41

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.0	100	96	70-135	
o-Terphenyl	52.2	50.0	104	70-135	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] =  $100 * A / B$

All results are based on MDL and validated for QC purposes.

**Project Name: MA-4**

**Work Order #: 445376**

**Analyst: ASA**

**Date Prepared: 07/11/2012**

**Project ID:**

**Date Analyzed: 07/11/2012**

**Lab Batch ID: 892008**

**Sample: 624433-1-BKS**

**Batch #: 1**

**Matrix: Solid**

**Units: mg/kg**

## BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

<b>BTEX by EPA 8021B</b>	<b>Blank Sample Result [A]</b>	<b>Spike Added [B]</b>	<b>Blank Spike Result [C]</b>	<b>Blank Spike %R [D]</b>	<b>Spike Added [E]</b>	<b>Blank Spike Duplicate Result [F]</b>	<b>Blk. Spk Dup. %R [G]</b>	<b>RPD %</b>	<b>Control Limits %R</b>	<b>Control Limits %RPD</b>	<b>Flag</b>
<b>Analytes</b>											
Benzene	<0.00100	0.100	0.0847	85	0.100	0.0814	81	4	70-130	35	
Toluene	<0.00200	0.100	0.0858	86	0.100	0.0824	82	4	70-130	35	
Ethylbenzene	<0.00100	0.100	0.0874	87	0.100	0.0839	84	4	71-129	35	
m_p-Xylenes	<0.00200	0.200	0.179	90	0.200	0.171	86	5	70-135	35	
o-Xylene	<0.00100	0.100	0.0875	88	0.100	0.0846	85	3	71-133	35	

**Analyst: TTE**

**Date Prepared: 07/11/2012**

**Date Analyzed: 07/11/2012**

**Lab Batch ID: 891966**

**Sample: 624414-1-BKS**

**Batch #: 1**

**Matrix: Solid**

**Units: mg/kg**

## BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

<b>Inorganic Anions by EPA 300/300.1</b>	<b>Blank Sample Result [A]</b>	<b>Spike Added [B]</b>	<b>Blank Spike Result [C]</b>	<b>Blank Spike %R [D]</b>	<b>Spike Added [E]</b>	<b>Blank Spike Duplicate Result [F]</b>	<b>Blk. Spk Dup. %R [G]</b>	<b>RPD %</b>	<b>Control Limits %R</b>	<b>Control Limits %RPD</b>	<b>Flag</b>
<b>Analytes</b>											
Chloride	<1.00	100	105	105	100	104	104	1	80-120	20	

Relative Percent Difference RPD =  $200 * [(C-F)/(C+F)]$

Blank Spike Recovery [D] =  $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] =  $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



**Project Name: MA-4**

**Work Order #: 445376**

**Analyst: ASA**

**Date Prepared: 07/11/2012**

**Project ID:**

**Date Analyzed: 07/11/2012**

**Lab Batch ID: 892003**

**Sample: 624425-1-BKS**

**Batch #: 1**

**Matrix: Solid**

**Units: mg/kg**

## BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
C6-C12 Gasoline Range Hydrocarbons	<15.0	1000	701	70	997	701	70	0	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	1000	860	86	997	848	85	1	70-135	35	

Relative Percent Difference RPD =  $200 * [(C-F) / (C+F)]$

Blank Spike Recovery [D] =  $100 * (C) / [B]$

Blank Spike Duplicate Recovery [G] =  $100 * (F) / [E]$

All results are based on MDL and Validated for QC Purposes



**Project Name: MA-4**

**Work Order #: 445376**

**Lab Batch #: 891966**

**Date Analyzed: 07/11/2012**

**Date Prepared: 07/11/2012**

**Project ID:**

**Analyst: TTE**

**QC- Sample ID: 445376-001 S**

**Batch #: 1**

**Matrix: Soil**

**Reporting Units: mg/kg**

**MATRIX / MATRIX SPIKE RECOVERY STUDY**

<b>Inorganic Anions by EPA 300</b>		<b>Parent Sample Result [A]</b>	<b>Spike Added [B]</b>	<b>Spiked Sample Result [C]</b>	<b>%R [D]</b>	<b>Control Limits %R</b>	<b>Flag</b>
<b>Analytes</b>							
Chloride		2.86	101	107	103	80-120	

Matrix Spike Percent Recovery [D] =  $100 \times (C-A)/B$   
 Relative Percent Difference [E] =  $200 \times (C-A)/(C+B)$   
 All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



## Form 3 - MS / MSD Recoveries



Project Name: MA-4

Work Order #: 445376

Project ID:

Lab Batch ID: 892003

QC- Sample ID: 445376-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 07/11/2012

Date Prepared: 07/11/2012

Analyst: ASA

Reporting Units: mg/kg

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<15.1	1010	646	64	1010	680	67	5	70-135	35	X
C12-C28 Diesel Range Hydrocarbons	<15.1	1010	799	79	1010	845	84	6	70-135	35	

Matrix Spike Percent Recovery  $[D] = 100 * (C - A) / B$   
Relative Percent Difference  $RPD = 200 * |(C - F) / (C + F)|$

Matrix Spike Duplicate Percent Recovery  $[G] = 100 * (F - A) / E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not  
ApplicableN = See Narrative, EQL = Estimated Quantitation Limit



**Project Name: MA-4**

**Work Order #: 445376**

**Lab Batch #: 891976**

**Date Analyzed: 07/11/2012 10:10**

**Date Prepared: 07/11/2012**

**Project ID:**

**Analyst: WRU**

**QC- Sample ID: 445376-001 D**

**Batch #: 1**

**Matrix: Soil**

**Reporting Units: %**

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	<1.00	<1.00	0	20	U

Spike Relative Difference RPD  $200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit



## Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- Monahan

Date/ Time Received: 07/10/2012 04:40:00 PM

Work Order #: 445376

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4
#2 *Shipping container in good condition?	___
#3 *Samples received on ice?	___
#4 *Custody Seals intact on shipping container/ cooler?	___
#5 Custody Seals intact on sample bottles/ container?	___
#6 *Custody Seals Signed and dated for Containers/coolers	___
#7 *Chain of Custody present?	___
#8 Sample instructions complete on Chain of Custody?	___
#9 Any missing/extra samples?	___
#10 Chain of Custody signed when relinquished/ received?	___
#11 Chain of Custody agrees with sample label(s)?	___
#12 Container label(s) legible and intact?	___
#13 Sample matrix/ properties agree with Chain of Custody?	___
#14 Samples in proper container/ bottle?	___
#15 Samples properly preserved?	___
#16 Sample container(s) intact?	___
#17 Sufficient sample amount for indicated test(s)?	___
#18 All samples received within hold time?	___
#19 Subcontract of sample(s)?	___
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	___
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	___
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	___

\* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:	PH Device/Lot#:
----------	-----------------

Checklist completed by: \_\_\_\_\_

Date: 07/10/2012 \_\_\_\_\_

Checklist reviewed by: \_\_\_\_\_

Date: 07/10/2012 \_\_\_\_\_

12600 West I-20 East  
Odessa, Texas 79765

Phone: 432-563-1800  
Fax: 432-563-1713

Project Manager: Ben J. Arguljo

Project Name: MA-4

Company Name: Basin Environmental Service Technologies, LLC

Project #: \_\_\_\_\_

Company Address: P.O. Box 301

Project Loc: Lea County, NM

City/State/Zip: Lovington, NM 88260

PO #: \_\_\_\_\_

Telephone No: (575) 396-2378

Fax No: (575) 396-1429

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: Bobby R. Blahnik

e-mail: bjarguljo@basinenv.com; Rose.Slade@SUG.com

(lab use only)

ORDER #: 445376

ORDER #: 445316												Preservation & # of Containers										Matrix																				RUSH TAT (Pre-Schedule, 24, 48, 72 hrs)										Standard TAT 4 DAY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Ice	HNO <sub>3</sub>	HCl	H <sub>2</sub> SO <sub>4</sub>	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	None	Other (Specify)	DW - Drinking Water SL - Sludge	CW - Groundwater S - Solids	NP - Non-Portable	Specify Other	TPH: 418.1	8015M	8015B	TPH: TX 1005	TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO <sub>4</sub> , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5130 or BTEX 8260	CHLORIDES	300:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

### Special Instructions:

\*\*Run BTEX on sample with highest GRO value.\*\*

Relinquished by: <u>Bobby R. Blahnik</u>	Date: <u>7-10-12</u>	Time: <u>1:30</u>	Received by: <u>Chad D. Gandy</u>	Date: <u>7-10-12</u>	Time: <u>1:30</u>
Relinquished by: <u>Chad D. Gandy</u>	Date: <u>7-10-12</u>	Time: <u>16:40</u>	Received by: <u>Bill K. Korman</u>	Date: <u>7-10-12</u>	Time: <u>16:40</u>

### Laboratory Comments:

Sample Containers Intact? Y N  
VOCs Free of Headspace? Y N  
Labels on container(s) Y N  
Custody seals on container(s) Y N  
Custody seals on cooler(s) Y N  
Sample Hand Delivered by Sampler/Client Rep. ? Y N  
by Courier? UPS DHL FedEx Lone Star  
Temperature Upon Receipt: 4.0 °C



**Analytical Report 445802**  
**for**  
**Southern Union Gas Services- Monahans**

**Project Manager: Ben Arguijjo**

**MA-4**

**19-JUL-12**

Collected By: Curt Stanley



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**12600 West I-20 East Odessa, Texas 79765**

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)  
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)  
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)  
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD ( L10-135)  
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Lakeland: Florida (E84098)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)





19-JUL-12

Project Manager: **Ben Arguijjo**  
**Southern Union Gas Services- Monahans**  
801 South Loop 464  
Monahans, TX 79756

Reference: XENCO Report No: **445802**  
**MA-4**  
Project Address: Lee County, NM

**Ben Arguijjo:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 445802. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 445802 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

---

**Nicholas Straccione**

Project Manager

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## Sample Cross Reference 445802



Southern Union Gas Services- Monahans, Monahans, TX  
MA-4

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
North Wall	S	07-16-12 14:30	5 ft	445802-001



## CASE NARRATIVE

*Client Name: Southern Union Gas Services- Monahans*

*Project Name: MA-4*



*Project ID:*

*Work Order Number: 445802*

*Report Date: 19-JUL-12*

*Date Received: 07/18/2012*

---

**Sample receipt non conformances and comments:**

None

---

**Sample receipt non conformances and comments per sample:**

None

**Analytical non conformances and comments:**

Batch: LBA-892442 TPH By SW8015 Mod

SW8015MOD\_NM

Batch 892442, C6-C12 Gasoline Range Hydrocarbons recovered below QC limits in the Matrix Spike. C12-C28 Diesel Range Hydrocarbons recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 445802-001.

The Laboratory Control Sample for C12-C28 Diesel Range Hydrocarbons, C6-C12 Gasoline Range Hydrocarbons is within laboratory Control Limits



# Certificate of Analysis Summary 445802

## Southern Union Gas Services- Monahans, Monahans, TX


**Project Id:**
**Contact:** Ben Arguijjo

**Project Location:** Lee County, NM

**Project Name:** MA-4

**Date Received in Lab:** Wed Jul-18-12 08:15 am

**Report Date:** 19-JUL-12

**Project Manager:** Nicholas Straccione

<b>Analysis Requested</b>	<b>Lab Id:</b>	445802-001				
	<b>Field Id:</b>	North Wall				
	<b>Depth:</b>	5- ft				
	<b>Matrix:</b>	SOIL				
	<b>Sampled:</b>	Jul-16-12 14:30				
<b>BTEX by EPA 8021B</b>	<b>Extracted:</b>	Jul-19-12 11:30				
	<b>Analyzed:</b>	Jul-19-12 12:47				
	<b>Units/RL:</b>	mg/kg RL				
Benzene		ND 0.00107				
Toluene		ND 0.00214				
Ethylbenzene		ND 0.00107				
m,p-Xylenes		ND 0.00214				
o-Xylene		ND 0.00107				
Total Xylenes		ND 0.00107				
Total BTEX		ND 0.00107				
<b>Inorganic Anions by EPA 300/300.1 SUB: E871002</b>	<b>Extracted:</b>	Jul-19-12 11:19				
	<b>Analyzed:</b>	Jul-19-12 11:19				
	<b>Units/RL:</b>	mg/kg RL				
Chloride		120 10.7				
<b>Percent Moisture</b>	<b>Extracted:</b>					
	<b>Analyzed:</b>	Jul-18-12 09:25				
	<b>Units/RL:</b>	% RL				
Percent Moisture		6.67 1.00				
<b>TPH By SW8015 Mod</b>	<b>Extracted:</b>	Jul-18-12 09:00				
	<b>Analyzed:</b>	Jul-18-12 09:19				
	<b>Units/RL:</b>	mg/kg RL				
C6-C12 Gasoline Range Hydrocarbons		ND 16.1				
C12-C28 Diesel Range Hydrocarbons		39.1 16.1				
C28-C35 Oil Range Hydrocarbons		ND 16.1				
Total TPH		39.1 16.1				

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Nicholas Straccione  
Project Manager

## Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
  - B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
  - D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
  - E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
  - F** RPD exceeded lab control limits.
  - J** The target analyte was positively identified below the quantitation limit and above the detection limit.
  - U** Analyte was not detected.
  - L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
  - H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
  - K** Sample analyzed outside of recommended hold time.
  - JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- \* Surrogate recovered outside laboratory control limit.
- BRL** Below Reporting Limit.
- RL** Reporting Limit
- MDL** Method Detection Limit      **SDL** Sample Detection Limit      **LOD** Limit of Detection
- PQL** Practical Quantitation Limit      **MQL** Method Quantitation Limit      **LOQ** Limit of Quantitation
- DL** Method Detection Limit
- NC** Non-Calculable
- + NELAC certification not offered for this compound.
- \* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	

## Form 2 - Surrogate Recoveries

Project Name: MA-4

Work Orders : 445802,

Project ID:

Lab Batch #: 892442

Sample: 445802-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/18/12 09:19

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	86.0	100	86	70-135	
o-Terphenyl	46.6	50.1	93	70-135	

Lab Batch #: 892595

Sample: 445802-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/19/12 12:47

### SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0271	0.0300	90	80-120	
4-Bromofluorobenzene	0.0275	0.0300	92	80-120	

Lab Batch #: 892442

Sample: 624715-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 07/17/12 21:14

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.7	100	100	70-135	
o-Terphenyl	55.0	50.1	110	70-135	

Lab Batch #: 892595

Sample: 624796-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 07/19/12 14:42

### SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0278	0.0300	93	80-120	
4-Bromofluorobenzene	0.0277	0.0300	92	80-120	

Lab Batch #: 892442

Sample: 624715-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 07/17/12 20:22

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	110	99.8	110	70-135	
o-Terphenyl	55.3	49.9	111	70-135	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] =  $100 * A / B$

All results are based on MDL and validated for QC purposes.



## Form 2 - Surrogate Recoveries

Project Name: MA-4

Work Orders : 445802,

Project ID:

Lab Batch #: 892595

Sample: 624796-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 07/19/12 13:10

### SURROGATE RECOVERY STUDY

BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes						
1,4-Difluorobenzene		0.0294	0.0300	98	80-120	
4-Bromofluorobenzene		0.0301	0.0300	100	80-120	

Lab Batch #: 892442

Sample: 624715-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 07/17/12 20:48

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes						
1-Chlorooctane		90.0	99.9	90	70-135	
o-Terphenyl		51.4	50.0	103	70-135	

Lab Batch #: 892595

Sample: 624796-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 07/19/12 13:33

### SURROGATE RECOVERY STUDY

BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes						
1,4-Difluorobenzene		0.0292	0.0300	97	80-120	
4-Bromofluorobenzene		0.0302	0.0300	101	80-120	

Lab Batch #: 892442

Sample: 445734-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/18/12 00:13

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes						
1-Chlorooctane		94.1	100	94	70-135	
o-Terphenyl		49.3	50.0	99	70-135	

Lab Batch #: 892442

Sample: 445734-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/18/12 00:38

### SURROGATE RECOVERY STUDY

TPH By SW8015 Mod		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes						
1-Chlorooctane		97.8	100	98	70-135	
o-Terphenyl		55.9	50.0	112	70-135	

\* Surrogate outside of Laboratory QC limits

\*\* Surrogates outside limits; data and surrogates confirmed by reanalysis

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] =  $100 * A / B$

All results are based on MDL and validated for QC purposes.

**Project Name: MA-4**

**Work Order #: 445802**

**Analyst: ASA**

**Date Prepared: 07/19/2012**

**Project ID:**

**Date Analyzed: 07/19/2012**

**Lab Batch ID: 892595**

**Sample: 624796-1-BKS**

**Batch #: 1**

**Matrix: Solid**

**Units: mg/kg**

## BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

<b>BTEX by EPA 8021B</b>	<b>Blank Sample Result [A]</b>	<b>Spike Added [B]</b>	<b>Blank Spike Result [C]</b>	<b>Blank Spike %R [D]</b>	<b>Spike Added [E]</b>	<b>Blank Spike Duplicate Result [F]</b>	<b>Blk. Spk Dup. %R [G]</b>	<b>RPD %</b>	<b>Control Limits %R</b>	<b>Control Limits %RPD</b>	<b>Flag</b>
<b>Analytes</b>											
Benzene	<0.00100	0.100	0.110	110	0.100	0.108	108	2	70-130	35	
Toluene	<0.00200	0.100	0.111	111	0.100	0.108	108	3	70-130	35	
Ethylbenzene	<0.00100	0.100	0.111	111	0.100	0.109	109	2	71-129	35	
m,p-Xylenes	<0.00200	0.200	0.231	116	0.200	0.227	114	2	70-135	35	
o-Xylene	<0.00100	0.100	0.111	111	0.100	0.109	109	2	71-133	35	

**Analyst: TTE**

**Date Prepared: 07/19/2012**

**Date Analyzed: 07/19/2012**

**Lab Batch ID: 892601**

**Sample: 624800-1-BKS**

**Batch #: 1**

**Matrix: Solid**

**Units: mg/kg**

## BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

<b>Inorganic Anions by EPA 300/300.1</b>	<b>Blank Sample Result [A]</b>	<b>Spike Added [B]</b>	<b>Blank Spike Result [C]</b>	<b>Blank Spike %R [D]</b>	<b>Spike Added [E]</b>	<b>Blank Spike Duplicate Result [F]</b>	<b>Blk. Spk Dup. %R [G]</b>	<b>RPD %</b>	<b>Control Limits %R</b>	<b>Control Limits %RPD</b>	<b>Flag</b>
<b>Analytes</b>											
Chloride	<1.00	100	102	102	100	101	101	1	80-120	20	

Relative Percent Difference RPD =  $200 * |(C-F)/(C+F)|$

Blank Spike Recovery [D] =  $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] =  $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes

**Project Name: MA-4**

**Work Order #: 445802**

**Analyst: KEB**

**Date Prepared: 07/17/2012**

**Project ID:**

**Date Analyzed: 07/17/2012**

**Lab Batch ID: 892442**

**Sample: 624715-1-BKS**

**Batch #: 1**

**Matrix: Solid**

**Units: mg/kg**

## BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
C6-C12 Gasoline Range Hydrocarbons	<15.0	998	764	77	999	810	81	6	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	998	932	93	999	960	96	3	70-135	35	

Relative Percent Difference RPD =  $200 * [(C-F)/(C+F)]$

Blank Spike Recovery [D] =  $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] =  $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



# Form 3 - MS Recoveries



Project Name: MA-4

Work Order #: 445802

Lab Batch #: 892601

Date Analyzed: 07/19/2012

QC- Sample ID: 445802-001 S

Reporting Units: mg/kg

Date Prepared: 07/19/2012

Batch #: 1

Project ID:

Analyst: TTE

Matrix: Soil

## MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes							
Chloride		120	1070	1250	106	80-120	

Matrix Spike Percent Recovery [D] =  $100 \times (C-A)/B$   
 Relative Percent Difference [E] =  $200 \times (C-A)/(C+B)$   
 All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



## Form 3 - MS / MSD Recoveries



Project Name: MA-4

Work Order # : 445802

Project ID:

Lab Batch ID: 892442

QC- Sample ID: 445734-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 07/18/2012

Date Prepared: 07/17/2012

Analyst: KEB

Reporting Units: mg/kg

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<75.7	1010	696	69	1010	718	71	3	70-135	35	X
C12-C28 Diesel Range Hydrocarbons	7250	1010	6270	0	1010	5960	0	5	70-135	35	X

Matrix Spike Percent Recovery  $[D] = 100 \times (C-A)/B$   
Relative Percent Difference  $RPD = 200 \times (C-F)/(C+F)$

Matrix Spike Duplicate Percent Recovery  $[G] = 100 \times (F-A)/E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable  
N = See Narrative, EQL = Estimated Quantitation Limit

**Project Name: MA-4**

**Work Order #: 445802**

**Lab Batch #: 892474**

**Project ID:**

**Date Analyzed: 07/18/2012 09:25**

**Date Prepared: 07/18/2012**

**Analyst: ASA**

**QC- Sample ID: 445802-001 D**

**Batch #: 1**

**Matrix: Soil**

**Reporting Units: %**

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	6.67	6.78	2	20	

Spike Relative Difference RPD  $200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit



### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East  
Odessa, Texas 79765

Phone: 432-563-1800  
Fax: 432-563-1713

Project Manager: Ben J. Arguijo

Project Name: MA-4

Company Name **Basin Environmental Service Technologies, LLC**

Project #: \_\_\_\_\_

Company Address: P.O. Box 301

Project Loc: Lea County, NM

City/State/Zip: Lovington, NM 88260

PO #:

Telephone No: (575)396-2378 Fax No: (575) 396-1429

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: *Kelly H. Baker*

e-mail: blarquillo@basinenv.com; Rose.Slade@SUG.com

(lab use only)

ORDER #: C/45802

[illegible]

Special Instructions:

**\*\*Run BTEX on sample with highest GRO value.\*\***

Relinquished by: <i>[Signature]</i>	Date: 7/7/12	Time: 2:20	Received by: <i>[Signature]</i>	Date: 7/17/12	Time: 2:20	Labels on container(s)	Y	N
						Custody seals on container(s)	Y	N
						Custody seals on cooler(s)	Y	N
Relinquished by: <i>[Signature]</i>	Date: 7/18/12	Time: 0810	Received by: <i>[Signature]</i>			Sample Hand Delivered	Y	N
						by Sampler/Client Rep. ?	Y	N
						by Courier? UPS DHL FedEx Lone Star		
Relinquished by: <i>[Signature]</i>	Date: 7/18/12	Time: 0810	Received by: <i>[Signature]</i>	Date: 7/18/12	Time: 0810	Temperature Upon Receipt:	Q:5	°C



## Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- Monahan

Date/ Time Received: 07/18/2012 08:15:24 AM

Work Order #: 445802

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.5
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles/ container?	N/A
#6 *Custody Seals Signed and dated for Containers/coolers	N/A
#7 *Chain of Custody present?	Yes
#8 Sample instructions complete on Chain of Custody?	Yes
#9 Any missing/extra samples?	No
#10 Chain of Custody signed when relinquished/ received?	Yes
#11 Chain of Custody agrees with sample label(s)?	Yes
#12 Container label(s) legible and intact?	Yes
#13 Sample matrix/ properties agree with Chain of Custody?	Yes
#14 Samples in proper container/ bottle?	Yes
#15 Samples properly preserved?	Yes
#16 Sample container(s) intact?	Yes
#17 Sufficient sample amount for indicated test(s)?	Yes
#18 All samples received within hold time?	Yes
#19 Subcontract of sample(s)?	Yes
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	Yes
#21 <2 for all samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ?	Yes
#22 >10 for all samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH?	Yes

\* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:	PH Device/Lot#:
----------	-----------------

Checklist completed by: \_\_\_\_\_

Date: 07/18/2012 \_\_\_\_\_

Checklist reviewed by: \_\_\_\_\_

Date: 07/18/2012 \_\_\_\_\_



**APPENDIX D**  
**Disposal Manifest**





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 211757

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: MA 4

TRANSPORTER COMPANY: HERRERA 62 TRK

TIME 1:29 AM/PM

DATE: 7/17/2012 VEHICLE NO: 1

GENERATOR COMPANY  
MAN'S NAME: C. Stanley

CHARGE TO: SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: CIL

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : ☒ YARD 12 : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

**THIS WILL CERTIFY** that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: J. Hernandez

(SIGNATURE)

FACILITY REPRESENTATIVE: Connie Rios

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 211792

LEASE OPERATOR/SHIPPER/COMPANY: SLUG

LEASE NAME: MA 4

TRANSPORTER COMPANY: Hernandez

TIME 10:49 AM/PM

DATE: 7/17/2012 VEHICLE NO: 01

GENERATOR COMPANY  
MAN'S NAME: C. Stanley

CHARGE TO: SLUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

- |   |   |                                   |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids              | <input type="checkbox"/> Rinsate  |
| <input type="checkbox"/> Tank Bottoms     | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out  |
| <input type="checkbox"/> Solids           | <input type="checkbox"/> BS&W Content:                | <input type="checkbox"/> Call Out |

Description: C/O

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : ☒ YARD 12 : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 211823

LEASE OPERATOR/SHIPPER/COMPANY: SUN

LEASE NAME: MAY

TRANSPORTER COMPANY: H

TIME 12:00 AM/PM

DATE: 4/17/2012 VEHICLE NO: 1

GENERATOR COMPANY  
MAN'S NAME: T. J. JONES

CHARGE TO: SUN

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

- |   |  |                                   |
|---|--|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids   | <input type="checkbox"/> Rinsate  |
| <input type="checkbox"/> Tank Bottoms     | <input type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out  |
| <input type="checkbox"/> Solids           | <input type="checkbox"/> BS&W Content:     | <input type="checkbox"/> Call Out |

Description: oil

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. \_\_\_\_\_ : ☒ YARD 12 : ☐ \_\_\_\_\_

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER: D. Hernandez

(SIGNATURE)

FACILITY REPRESENTATIVE: Carla R.

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 211849

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: MA 4

TRANSPORTER COMPANY: HERNANDEZ TRK

TIME 12 AM/PM

DATE: 7/17/12 VEHICLE NO: 1

GENERATOR COMPANY  
MAN'S NAME: Johnny

CHARGE TO: SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: 2/10

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. \_\_\_\_\_ :

☒ YARD 12 :

☐ \_\_\_\_\_

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 211875

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: MA 4

TRANSPORTER COMPANY: Pacific Energy

TIME 2:30 AM/PM

DATE: 7/17/2012 VEHICLE NO: 9

GENERATOR COMPANY  
MAN'S NAME: C. Stanley

CHARGE TO: 3116

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

- |   |   |                                   |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids              | <input type="checkbox"/> Rinsate  |
| <input type="checkbox"/> Tank Bottoms     | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out  |
| <input type="checkbox"/> Solids           | <input type="checkbox"/> BS&W Content:                | <input type="checkbox"/> Call Out |

Description: 410

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. \_\_\_\_\_ : ☒ YARD 12 : ☐ \_\_\_\_\_

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER: \_\_\_\_\_

(SIGNATURE)

FACILITY REPRESENTATIVE: \_\_\_\_\_

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 211850

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: MA4

TRANSPORTER COMPANY: Burns & McDowell

TIME 1:25 AM/PM

DATE: 4/17/12 VEHICLE NO: 9

GENERATOR COMPANY  
MAN'S NAME: C. Stanley

CHARGE TO: SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: CH

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. \_\_\_\_\_ : ☒ YARD 12 : ☐ \_\_\_\_\_

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

**THIS WILL CERTIFY** that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 211822

LEASE OPERATOR/SHIPPER/COMPANY: SHG

LEASE NAME: MA 4

TRANSPORTER COMPANY: Basin Service

TIME 12:01 AM/PM

DATE: 7/17/02 VEHICLE NO: 9

GENERATOR COMPANY  
MAN'S NAME: C. Stanley

CHARGE TO: 116

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: C/O

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : ☒ YARD 12 : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

**THIS WILL CERTIFY** that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 211790

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: MAY

TRANSPORTER COMPANY: Brown

TIME 10:42 AM/PM

DATE: 4/17/2012 VEHICLE NO: 9

GENERATOR COMPANY  
MAN'S NAME: Stanley

CHARGE TO: SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content

☐ Call Out

Description: C/O

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : ☒ YARD 12 : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 211756

LEASE OPERATOR/SHIPPER/COMPANY:

LEASE NAME:

TRANSPORTER COMPANY:

DATE:

VEHICLE NO:

GENERATOR COMPANY  
MAN'S NAME:

TIME 9:24 AM/PM

CHARGE TO:

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLS.

☐ YARD

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210408

LEASE OPERATOR/SHIPPER/COMPANY:

LEASE NAME:

TRANSPORTER COMPANY:

DATE:

VEHICLE NO:

GENERATOR COMPANY  
MAN'S NAME:

TIME 2:57 AM/PM

CHARGE TO:

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

☒ YARD

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210386

LEASE OPERATOR/SHIPPER/COMPANY:

LEASE NAME:

TRANSPORTER COMPANY:

DATE:

VEHICLE NO:

GENERATOR COMPANY  
MAN'S NAME:

TIME

AM/PM

CHARGE TO:

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210406

LEASE OPERATOR/SHIPPER/COMPANY: SLIG

LEASE NAME: MA 4

TRANSPORTER COMPANY: Basin Energy

TIME 2:47 AM/PM

DATE: 7/5/2012 VEHICLE NO: 9

GENERATOR COMPANY  
MAN'S NAME: Curtis Stanley

CHARGE TO: SLIG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

- |   |   |                                   |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids              | <input type="checkbox"/> Rinsate  |
| <input type="checkbox"/> Tank Bottoms     | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out  |
| <input type="checkbox"/> Solids           | <input type="checkbox"/> BS&W Content:                | <input type="checkbox"/> Call Out |

Description: O/O

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLS. : 4 YARD 12 : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210383

LEASE OPERATOR/SHIPPER/COMPANY: SUN

LEASE NAME: MA 4

TRANSPORTER COMPANY: Brown Energy

TIME 1:23 AM/PM

DATE: 7/1/12

VEHICLE NO: 4

GENERATOR COMPANY  
MAN'S NAME: Mike Stanley

CHARGE TO: SUN

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: 40

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. \_\_\_\_\_ : ☒ YARD 15 : ☐ \_\_\_\_\_

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210372

LEASE OPERATOR/SHIPPER/COMPANY:

LEASE NAME:

TRANSPORTER COMPANY:

DATE: 7-5-2012 VEHICLE NO:

GENERATOR COMPANY  
MAN'S NAME:

TIME 12:14 AM/PM

CHARGE TO:

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

☒ YARD

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210357

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: MA 4 3

TRANSPORTER COMPANY: Egan's

TIME 10:35 AM/PM

DATE: 7-5-12 VEHICLE NO: 9

GENERATOR COMPANY  
MAN'S NAME: Justin Stanley

CHARGE TO: SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: oil

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLS. \_\_\_\_\_ :

☒ YARD 12 :

☐ \_\_\_\_\_

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: \_\_\_\_\_

(SIGNATURE)

FACILITY REPRESENTATIVE: \_\_\_\_\_

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210371

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: MA 4 Jimmy

TRANSPORTER COMPANY: Basin Energy

TIME 11:58 AM/PM

DATE: 7.5.2012

VEHICLE NO: 16

GENERATOR COMPANY  
MAN'S NAME: Charles Stanley

CHARGE TO: SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: Oil

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210358

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: MA 4 Towing Pool

TRANSPORTER COMPANY: Basin Eunice

TIME 10:37 AM/PM

DATE: 7/5/12 VEHICLE NO: 14

GENERATOR COMPANY  
MAN'S NAME: Justin Stankin

CHARGE TO: SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: CID

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. \_\_\_\_\_ :

☒ YARD 12 :

☐ \_\_\_\_\_

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210521

LEASE OPERATOR/SHIPPER/COMPANY: SLUG

LEASE NAME: M4

TRANSPORTER COMPANY: East

TIME 2:21 AM/PM

DATE: 7/4/2012 VEHICLE NO: 9

GENERATOR COMPANY  
MAN'S NAME:

CHARGE TO: SLUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

- |   |  |                                   |
|---|--|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids   | <input type="checkbox"/> Rinsate  |
| <input type="checkbox"/> Tank Bottoms     | <input type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out  |
| <input type="checkbox"/> Solids           | <input type="checkbox"/> BS&W Content:     | <input type="checkbox"/> Call Out |

Description: 910

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : ☒ YARD 12 : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

**THIS WILL CERTIFY** that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210504

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: MA 4

TRANSPORTER COMPANY: Barrow

TIME 1:04 AM/PM

DATE: 7/15/12 VEHICLE NO: 9

GENERATOR COMPANY  
MAN'S NAME: Art Smith

CHARGE TO: SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

- |   |   |                                   |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids              | <input type="checkbox"/> Rinsate  |
| <input type="checkbox"/> Tank Bottoms     | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out  |
| <input type="checkbox"/> Solids           | <input type="checkbox"/> BS&W Content:                | <input type="checkbox"/> Call Out |

Description: 40

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : 1 YARD 12 : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210492

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: MA 4

TRANSPORTER COMPANY: Basin Energy

TIME 11:30 AM/PM

DATE: 7/6/2012 VEHICLE NO: 9

GENERATOR COMPANY  
MAN'S NAME: Curt Stanley

CHARGE TO: SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

- |   |   |                                   |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids              | <input type="checkbox"/> Rinsate  |
| <input type="checkbox"/> Tank Bottoms     | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out  |
| <input type="checkbox"/> Solids           | <input type="checkbox"/> BS&W Content:                | <input type="checkbox"/> Call Out |

Description: oil

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : X YARD 12 : ☐ \_\_\_\_\_

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210473

LEASE OPERATOR/SHIPPER/COMPANY:

LEASE NAME:

TRANSPORTER COMPANY:

TIME AM/PM

DATE: 7/6/2012 VEHICLE NO:

GENERATOR COMPANY  
MAN'S NAME:

CHARGE TO:

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLS. : ☒ YARD 12 : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210520

LEASE OPERATOR/SHIPPER/COMPANY: SLUG

LEASE NAME: MA 4

TRANSPORTER COMPANY: Hernandez Truck

TIME 3:20 AM/PM

DATE: 7/4/2012 VEHICLE NO: 1

GENERATOR COMPANY  
MAN'S NAME: Carl Stanley

CHARGE TO: SLUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: C/O

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs

☒ YARD

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210503

LEASE OPERATOR/SHIPPER/COMPANY:

LEASE NAME:

TRANSPORTER COMPANY:

TIME AM/PM

DATE:

VEHICLE NO:

GENERATOR COMPANY  
MAN'S NAME:

CHARGE TO:

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

- |   |   |                                   |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids              | <input type="checkbox"/> Rinsate  |
| <input type="checkbox"/> Tank Bottoms     | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out  |
| <input type="checkbox"/> Solids           | <input type="checkbox"/> BS&W Content:                | <input type="checkbox"/> Call Out |

Description:

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. :

☒ YARD : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210487

LEASE OPERATOR/SHIPPER/COMPANY:

LEASE NAME:

TRANSPORTER COMPANY:

DATE:

VEHICLE NO:

GENERATOR COMPANY

MAN'S NAME:

TIME 11:30 AM/PM

CHARGE TO:

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210471

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: MA 4

TRANSPORTER COMPANY: Honolulu Trucking

TIME 10:00 AM/PM

DATE: 7/16/2012 VEHICLE NO: 1

GENERATOR COMPANY  
MAN'S NAME: Curt Stanley

CHARGE TO: SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

- |   |   |                                   |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids              | <input type="checkbox"/> Rinsate  |
| <input type="checkbox"/> Tank Bottoms     | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out  |
| <input type="checkbox"/> Solids           | <input checked="" type="checkbox"/> BS&W Content:     | <input type="checkbox"/> Call Out |

Description: oil

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. \_\_\_\_\_ : ☒ YARD 12 : ☐ \_\_\_\_\_

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



**SUNDANCE SERVICES, Inc.**P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511**TICKET No. 210493**LEASE OPERATOR/SHIPPER/COMPANY: SUGLEASE NAME: MAUTRANSPORTER COMPANY: Transp. ServiceTIME 11:36 AM/PMDATE: 7/16/2012 VEHICLE NO: 8GENERATOR COMPANY  
MAN'S NAME: Carl StanleyCHARGE TO: SUGRIG NAME  
AND NUMBER**TYPE OF MATERIAL**☐ Production Water☐ Drilling Fluids☐ Rinsate☐ Tank Bottoms☒ Contaminated Soil☐ Jet Out☐ Solids☐ BS&W Content:☐ Call OutDescription: C/O

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. \_\_\_\_\_ : ☒ YARD 12 : ☐ \_\_\_\_\_

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: \_\_\_\_\_

(SIGNATURE)

FACILITY REPRESENTATIVE: \_\_\_\_\_

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210500

LEASE OPERATOR/SHIPPER/COMPANY: SLUG

LEASE NAME: MAY

TRANSPORTER COMPANY: Basin Energy

TIME 12:55 AM/PM

DATE: 7/16/2012

VEHICLE NO: 8

GENERATOR COMPANY  
MAN'S NAME: Curt Stanley

CHARGE TO: SLUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: 910

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : ☒ YARD 12 : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210475

LEASE OPERATOR/SHIPPER/COMPANY: SLIG

LEASE NAME: MA 4

TRANSPORTER COMPANY: P. 26

TIME 10:07 AM/PM

DATE: 7/6/12 VEHICLE NO: 8

GENERATOR COMPANY  
MAN'S NAME: Curt Stanley

CHARGE TO: SLIG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: C/D

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : ☒ YARD 12 : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210774

LEASE OPERATOR/SHIPPER/COMPANY:

SUG

LEASE NAME:

114-4

TRANSPORTER COMPANY:

Brown Enviro

TIME 3:24 AM/PM

DATE: 7-9-12 VEHICLE NO:

8

GENERATOR COMPANY  
MAN'S NAME:

C. Stanley

CHARGE TO:

SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

CID

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. \_\_\_\_\_ :

☒ YARD 12 \_\_\_\_\_ :

☐ \_\_\_\_\_

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210753

LEASE OPERATOR/SHIPPER/COMPANY:

SLUG

LEASE NAME:

MA-4

TRANSPORTER COMPANY:

Basin Eunice

TIME 2:04 AM/PM

DATE: 7-9-12

VEHICLE NO:

8

GENERATOR COMPANY  
MAN'S NAME:

C. Stanley

CHARGE TO:

SLUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

4D

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs

:

☒ YARD

12

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

**THIS WILL CERTIFY** that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



**SUNDANCE SERVICES, Inc.**P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210734

E OPERATOR/SHIPPER/COMPANY: SLIG

E NAME: MA-4

ISPORTER COMPANY: Basin Eunice

TIME 12:23 AM/PM

7-9-12 VEHICLE NO: 8

GENERATOR COMPANY  
MAN'S NAME: C. Stanley

IGE TO: SLIG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

- |   |   |                                   |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids              | <input type="checkbox"/> Rinsate  |
| <input type="checkbox"/> Tank Bottoms     | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out  |
| <input type="checkbox"/> Solids           | <input type="checkbox"/> BS&W Content                 | <input type="checkbox"/> Call Out |

Description: OLD

r API # C-133#

ME OF MATERIAL ☐ BBLs. ☒ YARD 12 ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED HERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

**THIS WILL CERTIFY** that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

RIVER: 

(SIGNATURE)

FACILITY REPRESENTATIVE: 

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210718

LEASE OPERATOR/SHIPPER/COMPANY:

SUG

LEASE NAME:

MA-4

TRANSPORTER COMPANY:

Bosin Enline

TIME 11:07 AM/PM

DATE: 7-9-12

VEHICLE NO:

8

GENERATOR COMPANY  
MAN'S NAME:

C. Stanley

CHARGE TO:

SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

oil

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs

:

☒ YARD 12

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



**SUNDANCE SERVICES, Inc.**P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210700

LEASE OPERATOR/SHIPPER/COMPANY:

LEASE NAME:

TRANSPORTER COMPANY:

DATE: 7-9-12

VEHICLE NO:

GENERATOR COMPANY  
MAN'S NAME:

TIME 9:52 AM/PM

CHARGE TO:

RIG NAME  
AND NUMBER**TYPE OF MATERIAL**☐ Production Water☐ Drilling Fluids☐ Rinsate☐ Tank Bottoms☒ Contaminated Soil☐ Jet Out☐ Solids☐ BS&W Content:☐ Call Out

Description:

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.☒ YARD 12☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

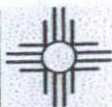
(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210775

LEASE OPERATOR/SHIPPER/COMPANY:

LEASE NAME:

TRANSPORTER COMPANY:

DATE:

VEHICLE NO:

GENERATOR COMPANY  
MAN'S NAME:

TIME 3:26 AM/PM

CHARGE TO:

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs.

:

☒ YARD 12

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210754

LEASE OPERATOR/SHIPPER/COMPANY: SLUG

LEASE NAME: MIA-4

TRANSPORTER COMPANY: Basin Electric

TIME 2:05 AM/PM

DATE: 7-9-12 VEHICLE NO: 9

GENERATOR COMPANY  
MAN'S NAME: J. Stanley

CHARGE TO: SLUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

- |   |   |                                   |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids              | <input type="checkbox"/> Rinsate  |
| <input type="checkbox"/> Tank Bottoms     | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out  |
| <input type="checkbox"/> Solids           | <input type="checkbox"/> BS&W Content:                | <input type="checkbox"/> Call Out |

Description: 011

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : ☒ YARD 12 : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210735

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: MH-4

TRANSPORTER COMPANY: Basin Eunice

TIME 12:26 AM/PM

DATE: 7-9-12 VEHICLE NO: 9

GENERATOR COMPANY  
MAN'S NAME: C. Stanley

CHARGE TO: SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

- |   |   |                                   |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids              | <input type="checkbox"/> Rinsate  |
| <input type="checkbox"/> Tank Bottoms     | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out  |
| <input type="checkbox"/> Solids           | <input type="checkbox"/> BS&W Content:                | <input type="checkbox"/> Call Out |

Description: old

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : ☒ YARD 12 : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: [Signature]  
(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]  
(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210719

LEASE OPERATOR/SHIPPER/COMPANY:

SUG

LEASE NAME:

111A-4

TRANSPORTER COMPANY:

Basin Service

TIME 11:10 AM/PM

DATE:

7-9-12

VEHICLE NO:

9

GENERATOR COMPANY

MAN'S NAME

1. Shalaby

CHARGE TO:

SUG

RIG NAME

AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

old

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD

12

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210701

LEASE OPERATOR/SHIPPER/COMPANY:

SUG

LEASE NAME:

MTA-4

TRANSPORTER COMPANY:

Dean E. Lince

TIME 9:59 AM/PM

DATE: 7-9-12

VEHICLE NO:

9

GENERATOR COMPANY  
MAN'S NAME

P. Stanley

CHARGE TO:

SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

C/D

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD

12

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210721

LEASE OPERATOR/SHIPPER/COMPANY:

SLIG

LEASE NAME:

DIA-4

TRANSPORTER COMPANY:

Hernandez Truck

TIME 11:20 AM/PM

DATE: 7-9-12

VEHICLE NO:

1

GENERATOR COMPANY  
MAN'S NAME:

C. Stanley

CHARGE TO:

SLIG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

O/D

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD

12

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

D. Hernandez

FACILITY REPRESENTATIVE:

(SIGNATURE)

D. Sta Cruz

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



**SUNDANCE SERVICES, Inc.**P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511**TICKET No. 210704**

LEASE OPERATOR/SHIPPER/COMPANY:

SLUG

LEASE NAME:

MA-4

TRANSPORTER COMPANY:

Hernandez Trucking

TIME 10:00 AM/PM

DATE: 7-9-12

VEHICLE NO:

01

GENERATOR COMPANY  
MAN'S NAME:

D. Stanley

CHARGE TO:

SLUG

RIG NAME  
AND NUMBER**TYPE OF MATERIAL**☐ Production Water☐ Drilling Fluids☐ Rinsate☐ Tank Bottoms☒ Contaminated Soil☐ Jet Out☐ Solids☐ BS&W Content:☐ Call Out

Description:

O/D

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs. \_\_\_\_\_ :☒ YARD 12 \_\_\_\_\_ :☐ \_\_\_\_\_

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



**SUNDANCE SERVICES, Inc.**P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511**TICKET No. 210752**

LEASE OPERATOR/SHIPPER/COMPANY:

SUG

LEASE NAME:

MIA-4

TRANSPORTER COMPANY:

Hernandez Truck

TIME 1:54 AM/PM

DATE: 7-9-12

VEHICLE NO: 1

GENERATOR COMPANY  
MAN'S NAME:

A. Stanley

CHARGE TO:

SUG

RIG NAME  
AND NUMBER**TYPE OF MATERIAL**☐ Production Water☐ Drilling Fluids☐ Rinsate☐ Tank Bottoms☒ Contaminated Soil☐ Jet Out☐ Solids☐ BS&W Content:☐ Call Out

Description:

OIL

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs. \_\_\_\_\_ :☒ YARD 12 \_\_\_\_\_ :☐ \_\_\_\_\_

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

**THIS WILL CERTIFY** that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210772

LEASE OPERATOR/SHIPPER/COMPANY: SLUG

LEASE NAME: MA-4

TRANSPORTER COMPANY: Hernandez Truck

TIME 3:21 AM/PM

DATE: 7-9-12 VEHICLE NO: 01

GENERATOR COMPANY  
MAN'S NAME: C. Stanley

CHARGE TO: SLUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: Old

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD

12

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: Hernandez

(SIGNATURE)

FACILITY REPRESENTATIVE: A. Sta Cruz

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210738

LEASE OPERATOR/SHIPPER/COMPANY:

SUG

LEASE NAME:

MA-4

TRANSPORTER COMPANY:

Hernandez Truck

TIME 12:42 AM/PM

DATE: 7-9-12

VEHICLE NO: 1

GENERATOR COMPANY

MAN'S NAME:

C. Stanley

CHARGE TO:

SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

OLD

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD

12

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

Hernandez

FACILITY REPRESENTATIVE:

(SIGNATURE)

A. Sh. Cruz

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210826

LEASE OPERATOR/SHIPPER/COMPANY:

SLUG

LEASE NAME:

MA-4

TRANSPORTER COMPANY:

Hernandez Truck

TIME 9:45 AM/PM

DATE: 7-10-12 VEHICLE NO:

1

GENERATOR COMPANY  
MAN'S NAME:

B. Stanley

CHARGE TO:

SLUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

old

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. \_\_\_\_\_ :

☒ YARD 12 \_\_\_\_\_ :

☐ \_\_\_\_\_

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210843

LEASE OPERATOR/SHIPPER/COMPANY:

SLIG

LEASE NAME:

NIA-4

TRANSPORTER COMPANY:

Hernandez Truck

TIME 11:12 AM/PM

DATE: 7-16-12

VEHICLE NO:

1

GENERATOR COMPANY  
MAN'S NAME:

C. Stanley

CHARGE TO:

SLIG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

010

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210844

LEASE OPERATOR/SHIPPER/COMPANY:

SUG

LEASE NAME:

MA-4

TRANSPORTER COMPANY:

Basin Service

TIME 11:12 AM/PM

DATE: 7-16-12

VEHICLE NO:

8

GENERATOR COMPANY  
MAN'S NAME:

C. Stanley

CHARGE TO:

SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

U/D

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD

12

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210825

LEASE OPERATOR/SHIPPER/COMPANY:

LEASE NAME:

TRANSPORTER COMPANY:

DATE: 7-10-12

VEHICLE NO:

GENERATOR COMPANY  
MAN'S NAME:

TIME 9:47 AM/PM

CHARGE TO:

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLS. :

☒ YARD 12 :

☐ :

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210847

LEASE OPERATOR/SHIPPER/COMPANY:

SUG

LEASE NAME:

MA-4

TRANSPORTER COMPANY:

BAIRN SERVICE

TIME 11:22 AM/PM

DATE:

7-10-12

VEHICLE NO:

9

GENERATOR COMPANY

MAN'S NAME:

C. Stanley

CHARGE TO:

SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

OLD

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD

12

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 210827

LEASE OPERATOR/SHIPPER/COMPANY:

SUG

LEASE NAME:

MA-4

TRANSPORTER COMPANY:

Basin Service

TIME 9:58 AM/PM

DATE:

7-10-12

VEHICLE NO:

9

GENERATOR COMPANY  
MAN'S NAME:

C. Stanley

CHARGE TO:

SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

OLD

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs. \_\_\_\_\_

☒ YARD 12 \_\_\_\_\_

☐ \_\_\_\_\_

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 211685

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: MA-4

TRANSPORTER COMPANY: Bushy E. E. Co.

TIME 4:17 AM/PM

DATE: 7/14/2012 VEHICLE NO: 8

GENERATOR COMPANY  
MAN'S NAME: L. Stanley

CHARGE TO: SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: oil

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : ☒ YARD 12 : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 211658

LEASE OPERATOR/SHIPPER/COMPANY: SLUG

LEASE NAME: MA 4

TRANSPORTER COMPANY: Bosco Lumber

TIME 3:06 AM/PM

DATE: 7/10/2012 VEHICLE NO: 8

GENERATOR COMPANY  
MAN'S NAME: C Stanley

CHARGE TO: SLUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

- |   |   |                                   |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids              | <input type="checkbox"/> Rinsate  |
| <input type="checkbox"/> Tank Bottoms     | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out  |
| <input type="checkbox"/> Solids           | <input type="checkbox"/> BS&W Content:                | <input type="checkbox"/> Call Out |

Description: CID

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. \_\_\_\_\_ : ☒ YARD 12 : ☐ \_\_\_\_\_

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: \_\_\_\_\_

(SIGNATURE)

FACILITY REPRESENTATIVE: \_\_\_\_\_

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 211634

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: MA 4

TRANSPORTER COMPANY: Edwin E. H. H. H.

TIME 1:41 AM/PM

DATE: 7/16/2012 VEHICLE NO: 8

GENERATOR COMPANY  
MAN'S NAME: Art Stenley

CHARGE TO: SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

- |   |   |                                   |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids              | <input type="checkbox"/> Rinsate  |
| <input type="checkbox"/> Tank Bottoms     | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out  |
| <input type="checkbox"/> Solids           | <input type="checkbox"/> BS&W Content:                | <input type="checkbox"/> Call Out |

Description: oil

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : X YARD 12 : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 211602

LEASE OPERATOR/SHIPPER/COMPANY: SLIG

LEASE NAME: MAY

TRANSPORTER COMPANY: Bushy Branch

TIME 1230 AM/PM

DATE: 7/14/2012

VEHICLE NO: 8

GENERATOR COMPANY  
MAN'S NAME: C. Stanley

CHARGE TO: SLIG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

- |   |   |                                   |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids              | <input type="checkbox"/> Rinsate  |
| <input type="checkbox"/> Tank Bottoms     | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out  |
| <input type="checkbox"/> Solids           | <input type="checkbox"/> BS&W Content                 | <input type="checkbox"/> Call Out |

Description: CID

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD

12 :

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 211593

LEASE OPERATOR/SHIPPER/COMPANY: SIIG

LEASE NAME: MAH

TRANSPORTER COMPANY: BOSCH ENERGY

TIME 11:11 AM/PM

DATE: 7/14/2012 VEHICLE NO: 8

GENERATOR COMPANY  
MAN'S NAME: C. Stanley

CHARGE TO: SIIG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

- |   |   |                                   |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids              | <input type="checkbox"/> Rinsate  |
| <input type="checkbox"/> Tank Bottoms     | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out  |
| <input type="checkbox"/> Solids           | <input type="checkbox"/> BS&W Content:                | <input type="checkbox"/> Call Out |

Description: C/O

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : ☒ YARD 12 : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 211565

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: MA-4

TRANSPORTER COMPANY: Port Stanley

TIME 9:32 AM/PM

DATE: 7/14/2012

VEHICLE NO: 8

GENERATOR COMPANY  
MAN'S NAME: Port Stanley

CHARGE TO: SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description: 911

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs

:

☒ YARD

12

☐

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 211591

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: MAY

TRANSPORTER COMPANY: Hernandez

TIME 11:08 AM/PM

DATE: 1/14/2012 VEHICLE NO: 1

GENERATOR COMPANY  
MAN'S NAME: Art Stank

CHARGE TO: SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

- |   |   |                                   |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids              | <input type="checkbox"/> Rinsate  |
| <input type="checkbox"/> Tank Bottoms     | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out  |
| <input type="checkbox"/> Solids           | <input type="checkbox"/> BS&W Content:                | <input type="checkbox"/> Call Out |

Description: C/O

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : 1 YARD 12 : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: Hernandez

(SIGNATURE)

FACILITY REPRESENTATIVE: Carrie Romero

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 211601

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: MAY

TRANSPORTER COMPANY: Hernandez

TIME 12:27 AM/PM

DATE: 7/14/2012

VEHICLE NO: 05

GENERATOR COMPANY  
MAN'S NAME: C. Stanley

CHARGE TO: SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

- |   |   |                                   |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids              | <input type="checkbox"/> Rinsate  |
| <input type="checkbox"/> Tank Bottoms     | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out  |
| <input type="checkbox"/> Solids           | <input type="checkbox"/> BS&W Content:                | <input type="checkbox"/> Call Out |

Description: C/O

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : 1 YARD 12 : ☐

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DRIVER: Hernandez

(SIGNATURE)

FACILITY REPRESENTATIVE: Connie Romero

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 211635

LEASE OPERATOR/SHIPPER/COMPANY: SLUG

LEASE NAME: MA 4

TRANSPORTER COMPANY: Hernandez TRN

TIME 1:42 AM/PM

DATE: 7/16/2012 VEHICLE NO:

GENERATOR COMPANY  
MAN'S NAME: Curt Strategy

CHARGE TO: SLUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

- |   |   |                                   |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids              | <input type="checkbox"/> Rinsate  |
| <input type="checkbox"/> Tank Bottoms     | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out  |
| <input type="checkbox"/> Solids           | <input type="checkbox"/> BS&W Content:                | <input type="checkbox"/> Call Out |

Description: 410

RRC or API #

C-133#

VOLUME OF MATERIAL ☐ BBLs. : ☒ YARD 12 : ☐

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 211686

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: NAH

TRANSPORTER COMPANY: Hernandez

TIME 4:20 AM/PM

DATE: 11/1/2012

VEHICLE NO: 1

GENERATOR COMPANY  
MAN'S NAME: Stanley

CHARGE TO: SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

- |   |   |                                   |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids              | <input type="checkbox"/> Rinsate  |
| <input type="checkbox"/> Tank Bottoms     | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out  |
| <input type="checkbox"/> Solids           | <input type="checkbox"/> BS&W Content:                | <input type="checkbox"/> Call Out |

Description: C/O

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs.

:

☒ YARD 12

:

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter





# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(575) 394-2511

TICKET No. 211652

LEASE OPERATOR/SHIPPER/COMPANY:

SUG

LEASE NAME:

MA 4

TRANSPORTER COMPANY:

Hernandez

TIME 2:54 AM/PM

DATE:

7/14/2012

VEHICLE NO:

1

GENERATOR COMPANY  
MAN'S NAME

C. Stanley

CHARGE TO:

SUG

RIG NAME  
AND NUMBER

## TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Rinsate

☐ Tank Bottoms

☒ Contaminated Soil

☐ Jet Out

☐ Solids

☐ BS&W Content:

☐ Call Out

Description:

C/D

RRC or API #

C-133#

VOLUME OF MATERIAL

☐ BBLs. \_\_\_\_\_:

☒ YARD

12 \_\_\_\_\_:

☐ \_\_\_\_\_

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

## **APPENDIX E**

### **Release Notification and Corrective Action (Form C-141)**



District I  
1625 N French Dr, Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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

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

DEC 01 2011

RECEIVED

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

## Release Notification and Corrective Action

## OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Southern Union Gas Services	Contact	Rose Slade
Address	801 S. Loop 464, Monahans, TX 79756	Telephone No.	432-940-5147
Facility Name	Trunk MA-4 #105	Facility Type	Natural Gas Pipeline
Surface Owner	Jimmy Doom	Lease No.	30-025-38822

## LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	9	24S	37E					Lea

Latitude 32 degrees 13.691' North Longitude 103 degrees 10.564 West

## NATURE OF RELEASE

Type of Release	Natural Gas, Crude Oil and Produced Water	Volume of Release	35 bbls 18 MCF	Volume Recovered	None
Source of Release	10 - inch Natural Gas Pipeline	Date and Hour of Occurrence	Unknown	Date and Hour of Discovery	November 16, 2011 - 1430 hours
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Geoffrey Leking - NMOCD Hobbs District Office		
By Whom?	Rose Slade (SUGS)	Date and Hour	November 17, 2011 - 1545 hours		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse			

If a Watercourse was Impacted, Describe Fully.\*

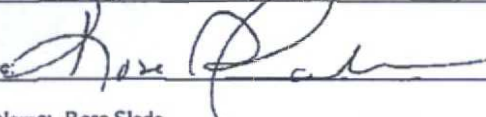
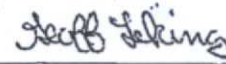
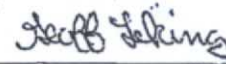
Describe Cause of Problem and Remedial Action Taken.\*

A ten (10)-inch low pressure natural gas pipeline developed a leak due to internal corrosion of the pipeline, resulting in a release of natural gas, crude oil and produced water. During initial response activities the pipeline was shut in. Heavily saturated soil was scraped and placed on plastic adjacent to the release point. Following initial response activities, the affected pipeline segment was slip lined with poly pipe.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 4,000 square feet and was largely limited to a caliche road. The release will be remediated according to NMOCD regulatory guidelines.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Rose Slade	ENV SPECIALIST: 	
Title: EHS Compliance Specialist	Approved by District Supervisor: 	Approval Date: 12/01/11
E-mail Address: rose.slade@sug.com	Expiration Date: 02/01/12	Conditions of Approval: SUBMIT FINAL C-141 BY 02/01/12
Date: November 30, 2011	Phone: 432-940-5147	Attached <input type="checkbox"/> IRP-12-11-2766

\* Attach Additional Sheets If Necessary

JAN 03 2012