Administrative/Environmental Order



AE Order Number Banner

Report Description

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App Number: pGRL1136352182

1RP - 2766

SOUTHERN UNION GAS SERVICES, LTD

7/22/2016

Release Notification and Corrective Action

OPERATOR

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	
Facility Name	11ulik MA-4 #105	raemty rype Watural Gas ripeline	-

Surface Owner : Grobe (Corrected)

Lease No. 30-025-38822

Initial Report

Final Report

LOCATION OF RELEASE

Unit Letter L	Section 9	Township 24S	Range 37E	Feet from the	North/South Line	Feet from the	East/West Line	County 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	Date and Hour of Discovery
	Unknown	November 16, 2011 – 1430 hours
Was Immediate Notice Given?	If YES, To Whom?	
Yes No Not Required	Geoffrey Leking - NMOCD Hobbs	s District Office
By Whom? Rose Slade (SUGS)	Date and Hour November 17, 201	11 – 1545 hours
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	tercourse.
🗌 Yes 🖾 No		
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: Date Dude	OIL CONSERVATION DIVISION				
Printed Name: Rose Slade	Approved by Environmental Specialist: Stepp Libring				
Title: Environmental Specialist	Approval Date: 8 15/12 Expiration Date: -				
E-mail Address: rose.slade@sug.com Date: August 15, 2012 Phone: 432-940-5147	Conditions of Approval:				

* Attach Additional Sheets If Necessary

Basin Environmental Service Technologies, LLC

3100 Plains Highway P. O. Box 301 Lovington, New Mexico 88260 jwlowry@basinenv.com Office: (575) 396-2378 Fax: (575) 396-1429

a Effective Solutions

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 1 5 2012 RECEIVED

Joel 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 ft²). 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)

1

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 yd³) 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.

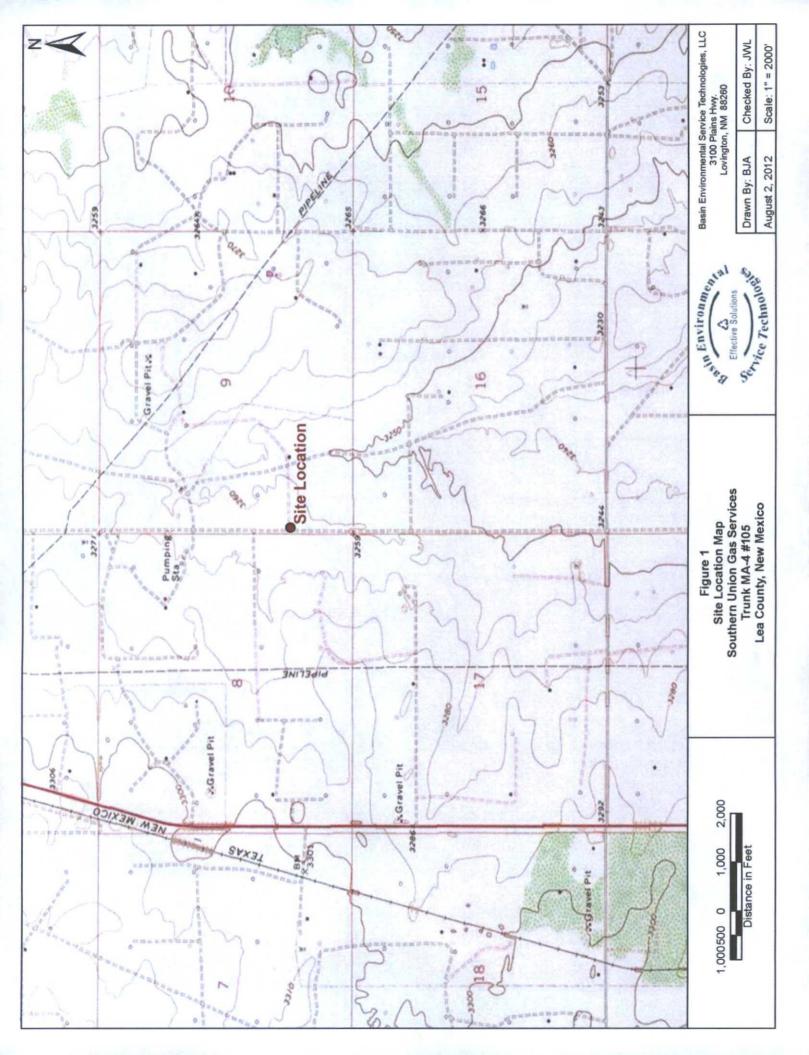
7.0 DISTRIBUTION:

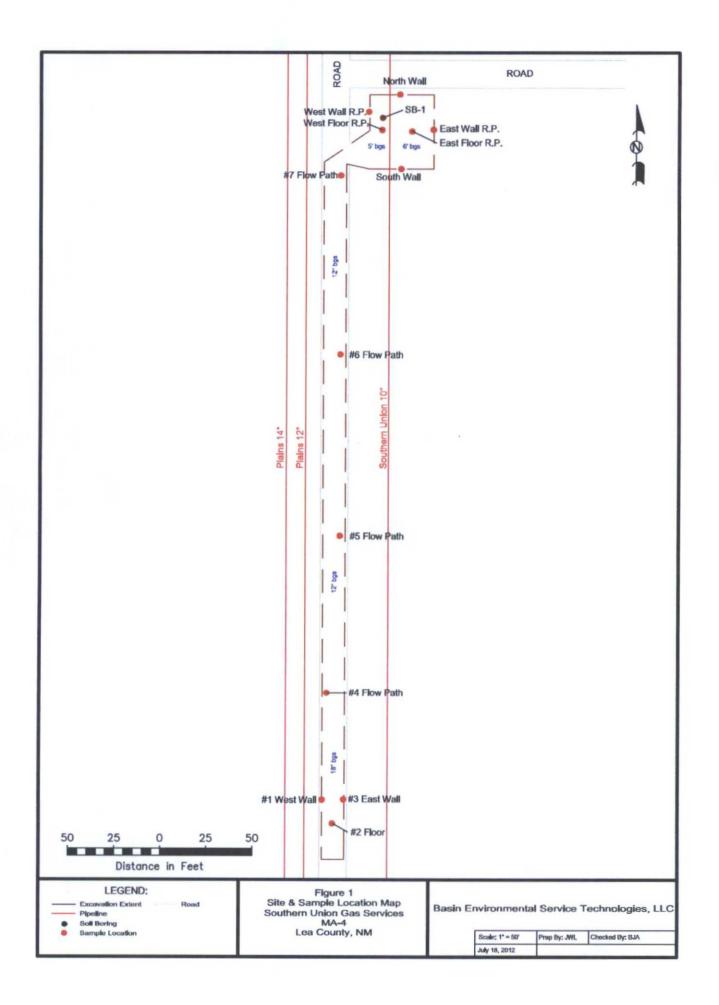
Copy 1: Geoffrey Leking New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division (District 1) 1625 French Drive Hobbs, NM 88240 GeoffreyR.Leking@state.nm.us

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





TABLES

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

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

						METHOD: EF	METHOD: EPA SW 846-8021B, 5030	21B, 5030		MET	METHOD: 8015M	SM	TOTAL	EPA 300
Voto (mg/kg)	SAMPLE LOCATION	DEPTH	SAMPLE	SOIL	BENZENE	TOLUENE	ETHYL- BENZENE	TOTAL	TOTAL	GRO C ₆ -C ₁₂	DRO C ₁₂ -C ₂₈	ORO C28 ^{-C35}	TPH C6-C35	CHLORIDE
\vec{v} $11/28/2011$ \mathbf{h} -Situ \cdot <th></th> <th>(cna)</th> <th></th> <th></th> <th>(6v/6m)</th> <th>(BN/Bm)</th> <th>(mg/Kg)</th> <th>(mg/Kg)</th> <th>(mg/Kg)</th> <th>(mg/Kg)</th> <th>(mg/Kg)</th> <th>(mg/Kg)</th> <th>(mg/Kg)</th> <th>(Bw/Bm)</th>		(cna)			(6v/6m)	(BN/Bm)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(Bw/Bm)
10° 11/28/2011 In-Situ ·	SB-1 @ 5'	5	11/28/2011	In-Situ						<16.0	<16.0	<16.0	<16.0	346
15' 11/28/2011 In-Situ ·	SB-1 @ 10'	10'	11/28/2011	In-Situ						<15.9	<15.9	<15.9	<15.9	365
$20'$ $11/28/2011$ $\ln - 81u$ -0.00116 -0.00126 -0.00226 -615.8 -615.7 -615.7 -615.7 -615.7 -615.7 -615.7 <td>SB-1 @ 15'</td> <td>15'</td> <td>11/28/2011</td> <td>In-Situ</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><16.0</td> <td><16.0</td> <td><16.0</td> <td><16.0</td> <td>28.6</td>	SB-1 @ 15'	15'	11/28/2011	In-Situ						<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	23.0
III 3° 7/5/2012 In-Situ < 0.00116 < 0.00120 < 0.00230 < 0.00230 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 18.2 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 17.3 < 18.2 < 18.2	「「「「「」」」	No. of Concession, No. of Conces	NUMBER OF STREET	Navio -	and shares and	and a second second		Contraction of the		Tescurra.	and a set of	Che all	A STATEMENT	State States
	#1 West Wall	3'	7/5/2012	In-Situ	<0.00116	<0.00116	<0.00116	<0.00232	<0.00232	<18.2	<18.2	<18.2	<18.2	1.38
	#2 Floor	3'	7/5/2012	In-Situ	<0.00120	<0.00120	<0.00120	<0.00240	<0.00240	<18.6	<18.6	<18.6	<18.6	1.32
	#3 East Wall	3'	7/5/2012	In-Situ	<0.00115	<0.00115	<0.00115	<0.00230	<0.00230	<17.3	<17.3	<17.3	<17.3	12.6
	#4 Flowpath	1.	7/5/2012	In-Situ	<0.00122	<0.00122	<0.00122	<0.00244	<0.00244	<18.4	<18.4	<18.4	<18.4	24.4
1 7/6/2012 $n-Situ c_{0.00100} c_{0.00201} c_{0.00201} c_{15.1} c_{15.1}<$	#5 Flowpath	1.	7/5/2012	In-Situ	<0.00118	<0.00118	<0.00118	<0.00236	<0.00236	<18.3	<18.3	<18.3	<18.3	5.75
1 7/6/2012 In-Situ < 0.00100 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.0161 < 0.00201 < 0.0161 < 0.00201 < 0.0161 < 0.00201 < 0.0161 < 0.00201 < 0.0161 < 0.00201 < 0.0161 < 0.00201 < 0.0161 < 0.00201 < 0.0161 < 0.00201 < 0.0161 < 0.00201 < 0.0161 < 0.00201 < 0.0161 < 0.00201 < 0.00201 < 0.0161 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201 < 0.00201		A MAGAN		The state	A set in the set of	A STATE DATE	Superior States		- Charlow	A CONTRACTOR		and the second second	A LEASE	A STATE AND
1 7/6/2012 $n-Situ$ < 0.00104 < 0.00207 < 0.00207 < 0.055 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7	#6 Flow Path	1,	7/6/2012	In-Situ	<0.00100	<0.00201	<0.00100	<0.00201	<0.00201	<15.1	<15.1	<15.1	<15.1	2.86
5' $7/6/2012$ $n-Situ$ < 0.00105 < 0.00209 < 0.02209 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7 < 15.7	#7 Flow Path	1.	7/6/2012	In-Situ	<0.00104	<0.00207	<0.00104	<0.00207	<0.00207	<15.5	<15.5	<15.5	<15.5	5.20
6' 7/6/2012 n -Situ < 0.00104 < 0.00208 < 0.0208 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 15.5 < 16.5 < 16.5	South Wall	5	7/6/2012	In-Situ	<0.00105	<0.00209	<0.00105	<0.00209	<0.00209	<15.7	<15.7	<15.7	<15.7	1.63
5' 7/6/2012 In-Situ <0.00105 <0.00105 <0.00211 <0.00211 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <td>East Wall R.P.</td> <td>6'</td> <td>7/6/2012</td> <td>In-Situ</td> <td><0.00104</td> <td><0.00208</td> <td><0.00104</td> <td><0.00208</td> <td><0.00208</td> <td><15.5</td> <td><15.5</td> <td><15.5</td> <td><15.5</td> <td>6.65</td>	East Wall R.P.	6'	7/6/2012	In-Situ	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<15.5	<15.5	<15.5	<15.5	6.65
5' 7/6/2012 In-Situ <0.00112 <0.00112 <0.00224 <0.00224 <0.00224 <0.00224 <0.067 <0.67 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <16.7 <	West Wall R.P.	5	7/6/2012	In-Situ	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<15.9	<15.9	<15.9	<15.9	85.2
6' 7/6/2012 In-Situ <0.00111 <0.00221 <0.00221 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5 <16.5	West 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	263
5' 7/16/2012 In-Situ <0.00107	East Floor R.P.	6'	7/6/2012	In-Situ	<0.00111	<0.00221	<0.00111	<0.00221	<0.00221	<16.5	<16.5	<16.5	<16.5	67.1
5' 7/16/2012 In-Situ <0.00107		I TIME I	PRANK OF		The second se		The state of the state of the	A North Contraction		「「「「」」という	and the second	in Street South	a spin-or	A CONTRACT NO
	North Wall	5	7/16/2012	In-Situ	<0.00107	<0.00214	<0.00107	<0.00214	<0.00214	<16.1	39.1	<16.1	39.1	120
		C PARTICIPACIÓN D				and the second	The state of the	THE REAL PROPERTY.	and the second				The state of the state of the	Hellin Hitre and
	NMOCD Standard				10				50				1,000	500

= Not analyzed.

APPENDICES

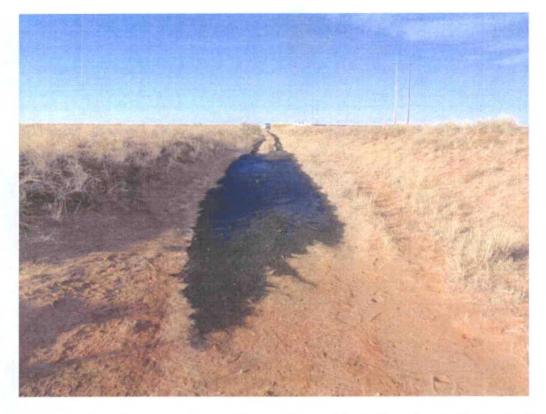
APPENDIX A Photographs



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)



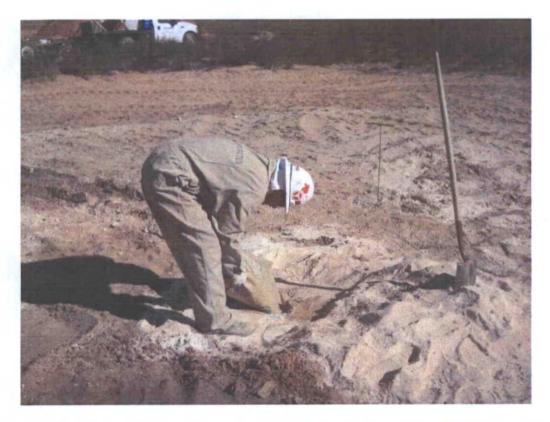
Photograph of pooling area at the southern terminus of flowpath at the Trunk MA-4 #105 Release Site. (Looking North)



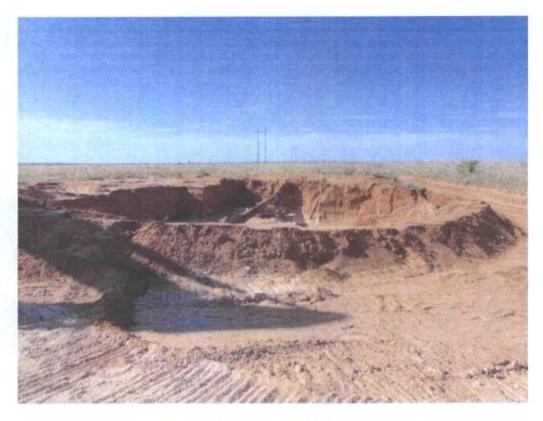
Photograph of road after having been excavated at the Trunk MA-4 #105 Release Site. (Looking South)



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



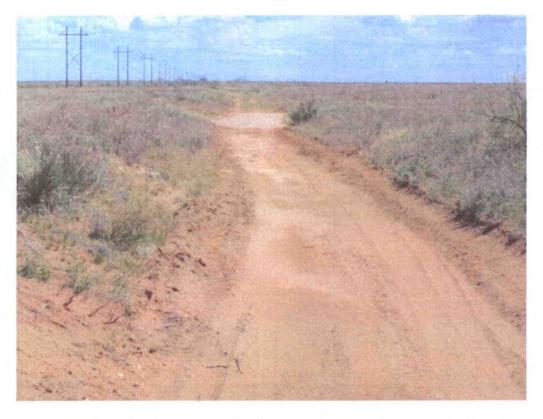
Photograph of the installation of bentonite plug in SB-1 at the Trunk MA-4 #105 Release Site.



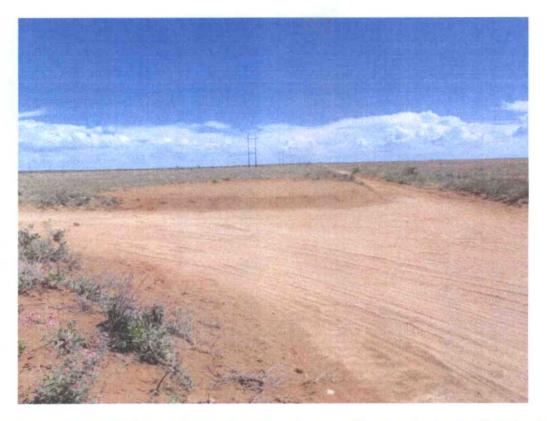
Photograph of the excavation at the Trunk MA-4 #105 Release Site. (Looking South)



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 <u>Stain</u>	Soil Description	Boring SB-1
10		(196) (300) (120) (120)		None None None	None None None	0' - 4' - Red fine sand 4' - 9' - Caliche; tan fine sand; sandstone 9' - 20' - Tan fine sand; sandstone (soft)	Date Drilled November 28, 2011 Thickness of Bentonite Seal 20 Ft Depth of Exploratory Boring 20 Ft bgs Depth to Groundwater
E ₂₀	*6543	<120	>	None	None		

Completion Notes

The soil boring was advanced on date using air rotary drilling techniques.
 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



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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 (AALI1), 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-Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)

Final 1.000



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,

2 TO

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



Project Id:

Contact: Rose Slade Project Location: Lea County, NM Date Received in Lab: Wed Nov-30-11 02:37 pm

Report Date: 08-DEC-11

								Project Man	nager:	Brent Barron II	
	Lab Id:	432427-(001	432427-002		432427-003		432427-0	04		
Analysis Degranded	Field Id:	SB-I @	5'	SB-I @	10'	SB-1 @	15'	SB-1 @ 2	20'		
Analysis Requested	Depth:										
	Matrix:	SOIL		SOIL		SOIL	4	SOIL			
	Sampled:	Nov-28-11	10:00	Nov-28-11	10:05	Nov-28-11	10:10	Nov-28-11	10:15		
Inorganic Anions by EPA 300/300.1	Extracted:	Dec-06-11	08:46	Dec-06-11	09:00	Dec-06-11	09:14	Dec-06-11 (09:29		
SUB: E871002	Analyzed:	Dec-06-11	08:46	Dec-06-11	09:00	Dec-06-11	09:14	Dec-06-11 (09:29		
	Units/RL:	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		
Percent Moisture	Extracted:										
SUB: E871002	Analyzed:	Dec-01-11	14:35	Dec-01-11	14:35	Dec-01-11	14:35	Dec-01-11	14:35		
	Units/RL:	%	RL	%	RL	%	RL	%	RL		
Percent Moisture		6.72	1.00	5.75	1.00	6.61	1.00	5.70	1.00		
TPH By SW8015 Mod	Extracted:	Dec-02-11	13:51	Dec-02-11	13:54	Dec-02-11	13:57	Dec-02-11	14:00		
SUB: E871002	Analyzed:	Dec-03-11	17:14	Dec-03-11	17:36	Dec-03-11	17:59	Dec-03-11	18:23		
	Units/RL:	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

Page 5 of 13

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

POL 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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Form 2 - Surrogate Recoveries

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

ork Orders : 432427 Lab Batch #: 876221	Sample: 432427-001 / SMP	Bate	Project I h: 1 Matri			
Units: mg/kg	Date Analyzed: 12/03/11 17:14	SU	RROGATE R	ECOVERY	STUDY	
TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flag
	Analytes			[D]		
I-Chlorooctane		97.7	99.7	98	70-135	
o-Terphenyl		46.4	49.9	93	70-135	
Lab Batch #: 876221	Sample: 432427-002 / SMP	Bate	h: 1 Matrix	:Soil		
Units: mg/kg	Date Analyzed: 12/03/11 17:36	SU	RROGATE R	ECOVERY	STUDY	r
TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
	Analytes					
I-Chlorooctane		92.6	99.6	93	70-135	
o-Terphenyl		45.6	49.8	92	70-135	
Lab Batch #: 876221	Sample: 432427-003 / SMP	Batc				
Units: mg/kg Date Analyzed: 12/03/11 17:59 SURROGATE RECOVER TPH By SW8015 Mod True Found Amount Recovery						
TPH	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
1-Chlorooctane	Analytes	91.0	99,5	91	70-135	
o-Terphenyl		39.8	49.8	80	70-135	
	0 122427 004 / SMB				10 100	
Lab Batch #: 876221	Sample: 432427-004 / SMP	Bate	h: 1 Matrix		TUDV	
Units: mg/kg	Date Analyzed: 12/03/11 18:23			LCOVERT		
TPH	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
I-Chlorooctane		92.3	99.4	93	70-135	
o-Terphenyl		44.2	49.7	89	70-135	
Lab Batch #: 876221	Sample: 614879-1-BLK / BL	Bate	h: Matri	:Solid		
Units: mg/kg	Date Analyzed: 12/03/11 13:00	SU	RROGATE R	ECOVERY	STUDY	
TPH	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
1-Chlorooctane	ruary tes	95.7	100	96	70-135	
- Chlorootane		93,1	100	90	10-133	

* 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

ork Orders : 432427 Lab Batch #: 876221	, Sample: 614879-1-BKS / Bl	BKS Batch: 1 Matrix:Solid													
Units: mg/kg	Date Analyzed: 12/03/11 13:24	SURROGATE RECOVERY STUDY													
ТРН	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	Bate	h: Matri	x:Soil											
Units: mg/kg	Date Analyzed: 12/03/11 14:10	SURROGATE RECOVERY STUDY													
ТРН	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 / M	ISD Bate	h: 1 Matri	x:Soil											
Units: mg/kg	Date Analyzed: 12/03/11 14:33	SU	RROGATE R	ECOVERY	STUDY										
TPH By SW8015 Mod Analytes		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags									
I-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 Date Prepared: 12/06/2 Batch #: 1	011	Matrix Analyst BLANK SP	OVERV	TUDY									
Inorganic Anions by EPA 300/300. Analytes		Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags								
Chloride	<5.00	500	524	105	80-120									
Lab Batch #: 876221 Date Analyzed: 12/03/2011	Sample: 614879 Date Prepared: 12/02/2													
Reporting Units: mg/kg	Batch #: 1	ch #: 1 BLANK /BLANK SPIKE RECOVERY STUE												
TPH By SW8015 Mod Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags								
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



Form 3 - MS / MSD Recoveries

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



Work Order #: 432427						Project II):				
Lab Batch ID: 876334 Date Analyzed: 12/06/2011	QC- Sample ID: Date Prepared:				tch #: alyst:	l Matrix MAB	: Soil				
Reporting Units: mg/kg	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY										
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	I	80-120	20	
Lab Batch ID: 876221	QC- Sample ID:	432404	-001 S	Ba	tch #:	1 Matrix	: Soil				
Date Analyzed: 12/03/2011	Date Prepared:	12/02/2	011	An	alyst:	JAH					
Reporting Units: mg/kg		N	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA'	TE REC	OVERY	STUDY		
TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added	Spiked Sample Result [C]	Sample %R	Spike Added	Duplicate Spiked Sample Result [F]	Spiked Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytts	[4]	[B]		[D]	[E]		[G]				
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 $[D] = 100^{\circ}(C-A)/B$ Relative Percent Difference $RPD = 200^{\circ}[(C-F)/(C+F)]$

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



Sample Duplicate Recovery



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

Work Order #: 432427

Lab Batch #: 876078 Date Analyzed: 12/01/2011 14:35 QC- Sample ID: 432427-001 D	Date Prepare Batch		Ana Mai	D:		
Reporting Units: %	[SAMPLE /	SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture		arent 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					_	_				_	_		_	_	Pre	ojec	ct Na	ame:	M	A-4	(11/	9/1	1) -	Jin	nmy	Doo	m			_
	Company Name	Basin Environmental Service Technologies, LLC									P	roje	ct #:	_									-		_							
	Company Address:	P.O. Box 301								F	Proj	ject	Loc	Lei	a Co	unty	y, NA	м							_							
	City/State/Zip:	Lovington, NM 88260		-															P	0#:	_											_
	Telephone No: Sampler Signature:	(575)396-2378		_		Fax No: e-mail:		-	5) 3		-		Pa	se Sla	do @	-	Repor	t Fo	orma	it:	X	Sta	ndar	rd			TRR	P		NPD	ES	
	5 54	-1/19		_		o-mail.		ujai	guyo	Gras	angris	V CON	1. 190	58 518	Oa(G)	300	Com		-	-	-	-	Ar	nalyz	te Fo	or:			_		٦	
(lab use		122																F	-	-	-	CLP:			-	x					72 hrs	
ORDER	#: 432	921	-	-			_	_	F	Prese	rvati	on &	# of (Contai	ners	Ŧ	Matrix	168					Hg Se	Π		0380					24, 48,	-
LAB # (lab use only)	FIEL	D CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	rield Filtered	Total #. of Containers	ice	HNO3	HCI	H ₂ SO,	NaOH	Na ₂ S,O ₃	None	Specify)	DW=Unnhung water SL=Sludge GW = Groundwater S=SoilSolid NP=Non-Potable Specify Other	TPH: 418.1 8015M 80	TX 1005	ns (Ca. Mg. Na.		SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	CHLORIDES				-	Standard TAT 4 DAY
01	SB	-1 @ 5'		Mer	11/28/2011	1000	14-	1	x						1	1	SOIL	X	-					1			X				T	х
07	SB-	1@10'			11/28/2011	1005		1	x							Ι	SOIL	X									x					X
03	SB	1 @ 15'			11/28/2011	1010		1	x								SOIL	X									X					X
DY	SB	1 @ 20'			11/28/2011	1015		1	x						-	4	SOIL	x									x	-		H	+	X
							-							-	+	+		+	+		-						-	+			+	-
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			-										1		+	+		t	$^{+}$		t			H		1	+	+	T		1	
	nstructions: IEX on sample with hig	ghest GRO.**					_								-	-		-	-	Sa	mpk	Co	ntair	ners	Inta	ict?	-		Y Y		NN	
Relinquist	Then have	Date 11/\$0/11 Date 11/32/11 Date/11 Date/11	14	me 00 me 3.7 me	Received by:	l Rom	: 	5	~)				11	Dati Dati	0/110	Tin Tin Tin)() ne	Lal Cu Cu Sa	stod stod mple by	on c y se y se a Ha Sam Cour	als of als of als of nd D pler/ ier?	ainer on co on co Delive Clien	ontai ooler ered nt Re UPS	iner r(s) d sp. ? S	(s) DHL	Fe	Y Y Y Y Y HdEx	Lone	N N N N e Sta	ır
A CONTRACTOR OF THE OWNER	/				-7	Lano	-									523		1:	57	Te	mpe	ratu	re U	pon	Rec	eipt	1	×?	L?		°C	



XENCO Laboratories

Atlanta, Boca Raton, Corpus Christi, Dallas

Houston, Miami, Odessa. Philadelphia

Phoenix, San Antonio, Tampa

Document Title:	Sample Rece	eipt Checklist
Document No.:	SYS-SRC	
Revision/Date:	No. 01, 5/27/2	010
Effective Date:	6/1/2010	Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: B	asin Env.	SUGS	
Date/Time:	11.30.11	14:37	
Lab ID # :	4324	127	
Initials:	TB		

Sample Receipt Checklist

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

Nonconformance Documentation

Contact:	Contacted by:		Date/Time:	
Regarding:		·		
		1		
Corrective Action Tak	ien:			
Check all that apply:	condition acceptable by NELAC 5	.5.8.3.1.a.1.		
	Initial and Backup Temperature confirm	out of tempera	ture 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: AZ00989): 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

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Sample Cross Reference 445224



Southern Union Gas Services- Monahans, Monahans, TX

MA-4

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
#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.





445224

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: #1 West Lab Sample Id: 445224-		Matrix: Soil Collected: Jul-05-1	% Moisture: 17.87 Basis: Dry Weight			
Sample Depth: 3 - 3 ft	Date R	Received: Jul-06-1	2 09:35			
Analytical Method: I	norganic Anions by EPA 300	0/300.1		Prep Metho	d: E300P	
Seq Number: 892049				Date Prep	: Jul-12-1	2 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





445224

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: #1 West Wall Lab Sample Id: 445224-001		Matrix: Soil Date Collected: Jul-05-12 12:05 Date Received: Jul-06-12 09:35			et Weight	
Sample Depth: 3 - 3 ft	Date Rec					
Analytical Method: Percent M Seq Number: 891872	loisture					
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	17.9	%	07/10/12 15:40		1





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 Co	Date Collected: Jul-05-12 12:15			ry Weight	
Sample Depth: 3 - 3 ft	Date Rec	eived: Jul-06-1	2 09:35			
Analytical Method: Inorgan	ic Anions by EPA 300/3	300.1		Prep Metho	d: E300P	
Seq Number: 892049				Date Prep	: Jul-12-12	2 00:23
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Di
Chloride	16887-00-6	1.32	mg/kg	07/12/12 00:23		1





445224

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: #2 Floor Lab Sample Id: 445224-002		Matrix: Soil Date Collected: Jul-05-12 12:15			et Weight	
Sample Depth: 3 - 3 ft	Date Rec	eived: Jul-06-12				
Analytical Method: Percent Seq Number: 891872	Moisture					
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	19.5	%	07/10/12 15:40		1





445224

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: #3 East Wa Lab Sample Id: 445224-003 Sample Depth: 3 - 3 ft	Date Co	Matrix: Soil llected: Jul-05-1 ceived: Jul-06-1	% Moisture: 13 Basis: Dr	.77 y Weight		
	ganic Anions by EPA 300/3	300.1		Prep Metho Date Prep	d: E300P : Jul-12-12	2 00:39
Parameter Chloride	Cas Number 16887-00-6	Result	Units mg/kg	Analysis Date 07/12/12 00:39	Flag	Dil





445224

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: #3 East Wall Lab Sample Id: 445224-003 Sample Depth: 3 - 3 ft	2 12:20 2 09:35	% Moisture: Basis: W	et Weight			
Analytical Method: Percent N Seq Number: 891872	Moisture					
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	13.8	%	07/10/12 15:40		1





445224

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: #4 Flowpa Lab Sample Id: 445224-00		Matrix: Soil llected: Jul-05-1	% Moisture: 18.56 Basis: Dry Weight			
Sample Depth: 1 - 1 ft		Date Received: Jul-06-12 09:35			,	
Analytical Method: Ino	rganic Anions by EPA 300/.	300.1		Prep Metho	d: E300P	
Seq Number: 892049				Date Prep	: Jul-12-12	2 00:55
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Di
Chloride	16887-00-6	24.4	mg/kg	07/12/12 00:55		1





445224

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: #4 Flowpath Lab Sample Id: 445224-004 Sample Depth: 1 - 1 ft	Date Co	Matrix: Soil llected: Jul-05-12 ceived: Jul-06-12		% Moisture: Basis: W	et Weight	
Analytical Method: Percent Seq Number: 891872	Moisture					
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Di
Percent Moisture	TMOIST	18.6	%	07/10/12 15:40		1





445224

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: #5 Flowpath		Matrix: Soil		% Moisture: 18	.05	
Lab Sample Id: 445224-005	Date Co	llected: Jul-05-1	2 12:50	Basis: Di	ry Weight	
Sample Depth: 1 - 1 ft	Date Rec	eived: Jul-06-1	2 09:35			
Analytical Method: Inorga	nic Anions by EPA 300/3	300.1		Prep Metho	d: E300P	
Seq Number: 892049				Date Prep	: Jul-12-12	2 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





445224

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: #5 Flowpath Lab Sample Id: 445224-005 Sample Depth: 1 - 1 ft	Date Co	Matrix: Soil llected: Jul-05-12 reived: Jul-06-12		% Moisture: Basis: W	e <mark>t</mark> Weight	
Analytical Method: Percent M Seq Number: 891872	Aoisture					
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

A-4 Date Received in Lab: Fri Jul-06-12 09:35 am

Analysis Requested						Takalas Chanaisana	
Analysis Requested					Project Manager: N	INICIIOIAS SURCCIONC	
Analysis Requested	Lab Id:	445224-001	445224-002	445224-003	445224-004	445224-005	
naican have exclusive	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 A	
	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	
	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	
SUB: TX104704215	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-Xylencs		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	
0/300.1	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	
SUB: TX104704215	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	
	Extracted:						
SUB: TX104704215	Analyzed:	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	
	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	
p	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	
SUB: TX104704215	A nalyzed:	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 interventions and recents expressed throughout into analytical report represent the best igneem of XENCO Laboratorica. XENCO Laboratorics 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

Nul Ch

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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 quantiation 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) 620-2033

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 (432) 563-1713

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 (770) 449-5477

 (602) 437-0330
 (210) 509-3335



Project Name: MA-4

Lab Batch #: 892107	Sample: 445224-0017 SMP	Batc				
Units: mg/kg	Date Analyzed: 07/13/12 14:32	SU	RROGATE R	ECOVERY S	STUDY	
TPH By SW8015 Mod Analytes Chlorooctane Terphenyl th Batch #: 892167 Sample: 445224-002 / SM Units: mg/kg Date Analyzed: 07/13/12 15:34 TPH By SW8015 Mod Analytes Chlorooctane Terphenyl th Batch #: 892167 Sample: 445224-003 / SM Units: mg/kg Date Analyzed: 07/13/12 16:16 TPH By SW8015 Mod Analytes Chlorooctane Terphenyl th Batch #: 892167 Sample: 445224-004 / SM Units: mg/kg Date Analyzed: 07/13/12 16:37 TPH By SW8015 Mod Analytes Chlorooctane Terphenyl th Batch #: 892167 Sample: 445224-004 / SM Units: mg/kg Date Analyzed: 07/13/12 16:37 TPH By SW8015 Mod Analytes Chlorooctane Terphenyl th Batch #: 892167 Sample: 445224-005 / SM Units: mg/kg Date Analyzed: 07/13/12 17:18 TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
	Analytes			[D]		_
1-Chlorooctane		106	99.8	106	70-135	
o-Terphenyl		64.4	49.9	129	70-135	
Lab Batch #: 892167	Sample: 445224-002 / SMP	Bate	h: 1 Matri	:Soil		
Units: mg/kg	Date Analyzed: 07/13/12 15:34	SU	RROGATE R	ECOVERY S	STUDY	
ТРН		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
L-Chlorooctane	Analytes	108	99.6	108	70-135	
o-Terphenyl		55.6	49.8	112	70-135	
	0 145224 002 / SMD				10-100	
	· .	Bate	h: 1 Matri		TUDY	
Units: mg/kg	Date Analyzed: 07/13/12 16:16	50	KRUGATE K	ECOVERT	STUDI	
TPH		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
L-Chlorooctane	Analytes	87.3	99.7	88	70-135	
o-Terphenyl		53.4	49.9	107	70-135	
	Sample: 445224-004 / SMP			Soil		
		Bate	RROGATE R		STUDY	
Units: mg/kg	Date Analyzed: 07/13/12 16:37			LCOVERT		
TPH		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
1-Chlorooctane		109	99.8	109	70-135	
o-Terphenyl		61.2	49.9	123	70-135	
Lab Batch #: 892167	Sample: 445224-005 / SMP	Bate	h: Matrix	:Soil		
			RROGATE R	ECOVERY S	STUDY	
TPH		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



Project Name: MA-4

	Sample: 445224-001 / SMP	Batc	h: Matri			
Units: mg/kg	Date Analyzed: 07/18/12 00:01		RROGATE R		STUDY	
BTEX by SW 8260B Analytes Bromofluorobenzene bromofluoromethane 2-Dichloroethane-D4 cluene-D8 bromofluorobenzene bromofluoroben		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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	Batc	h: 1 Matri	x: Soil		
Units: mg/kg	Date Analyzed: 07/18/12 00:25	SU	RROGATE R	ECOVERY	STUDY	
BTH		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene		0.0518	0.0500	104	58-152	
Dihaamadhaan		0.0425	0.0500	85	74-126	
Dibromotiuoromethane		0.0425				
		0.0425	0.0500	88	80-120	
1,2-Dichloroethane-D4 Toluene-D8 Lab Batch #: 892439	Sample: 445224-003 / SMP Date Analyzed: 07/18/12 00:49	0.0439 0.0532 Batc	0.0500	106 x:Soil	73-132	
1,2-Dichloroethane-D4 Toluene-D8 Lab Batch #: 892439 Units: mg/kg	Date Analyzed: 07/18/12 00:49	0.0439 0.0532 Batc	0.0500 0.0500 h: 1 Matrix	106 x: Soil ECOVERY Recovery %R	73-132	Flags
1,2-Dichloroethane-D4 Toluene-D8 Lab Batch #: 892439 Units: mg/kg BTH	Date Analyzed: 07/18/12 00:49	0.0439 0.0532 Bate SU Amount Found [A]	0.0500 0.0500 h: 1 Matriy RROGATE R True Amount [B]	106 x: Soil ECOVERY S Recovery %R [D]	73-132 STUDY Control Limits %R	Flags
1,2-Dichloroethane-D4 Toluene-D8 Lab Batch #: 892439 Units: mg/kg BTF	Date Analyzed: 07/18/12 00:49	0.0439 0.0532 Batc SU Amount Found [A] 0.0512	0.0500 0.0500 h: 1 Matrix RROGATE R True Amount [B] 0.0500	106 x: Soil ECOVERY S Recovery %R [D] 102	73-132 STUDY Control Limits %R 58-152	Flags
1,2-Dichloroethane-D4 Toluene-D8 Lab Batch #: 892439 Units: mg/kg BTE 4-Bromofluorobenzene Dibromofluoromethane	Date Analyzed: 07/18/12 00:49	0.0439 0.0532 Bate SU Amount Found [A] 0.0512 0.0416	0.0500 0.0500 h: 1 Matrix RROGATE R True Amount [B] 0.0500 0.0500	106 x: Soil ECOVERY Recovery %R [D] 102 83	73-132 STUDY Control Limits %R 58-152 74-126	Flags
1,2-Dichloroethane-D4 Toluene-D8 Lab Batch #: 892439 Units: mg/kg BTH 4-Bromofluorobenzene Dibromofluorobenzene 1,2-Dichloroethane-D4	Date Analyzed: 07/18/12 00:49	0.0439 0.0532 Bate SU Amount Found [A] 0.0512 0.0416 0.0424	0.0500 0.0500 h: 1 Matrix RROGATE R True Amount [B] 0.0500 0.0500	106 x: Soil ECOVERY Recovery %R [D] 102 83 85	73-132 STUDY Control Limits %R 58-152 74-126 80-120	Flags
1,2-Dichloroethane-D4 Toluene-D8 Lab Batch #: 892439 Units: mg/kg BTH 4-Bromofluorobenzene Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8	Date Analyzed: 07/18/12 00:49 EX by SW 8260B Analytes	0.0439 0.0532 Bate SU Amount Found [A] 0.0512 0.0416	0.0500 0.0500 h: 1 Matrix RROGATE R True Amount [B] 0.0500 0.0500 0.0500	106 x: Soil ECOVERY %R [D] 102 83 85 105	73-132 STUDY Control Limits %R 58-152 74-126	Flags
1,2-Dichloroethane-D4 Toluene-D8 Lab Batch #: 892439 Units: mg/kg	Date Analyzed: 07/18/12 00:49 EX by SW 8260B Analytes Sample: 445224-004 / SMP	0.0439 0.0532 Bate SU Amount Found [A] 0.0512 0.0416 0.0424 0.0527 Bate	0.0500 0.0500 h: 1 Matrix RROGATE R True Amount [B] 0.0500 0.0500 0.0500 0.0500 h: 1 Matrix	106 x: Soil ECOVERY %R [D] 102 83 85 105 x: Soil	73-132 STUDY Control Limits %R 58-152 74-126 80-120 73-132	Flags
1,2-Dichloroethane-D4 Toluene-D8 Lab Batch #: 892439 Units: mg/kg BTH 4-Bromofluorobenzene Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 Lab Batch #: 892439	Date Analyzed: 07/18/12 00:49 EX by SW 8260B Analytes	0.0439 0.0532 Bate SU Amount Found [A] 0.0512 0.0416 0.0424 0.0527 Bate	0.0500 0.0500 h: 1 Matrix RROGATE R True Amount [B] 0.0500 0.0500 0.0500	106 x: Soil ECOVERY %R [D] 102 83 85 105 x: Soil	73-132 STUDY Control Limits %R 58-152 74-126 80-120 73-132	Flags
1,2-Dichloroethane-D4 Toluene-D8 Lab Batch #: 892439 Units: mg/kg BTH 4-Bromofluorobenzene Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 Lab Batch #: 892439 Units: mg/kg	Date Analyzed: 07/18/12 00:49 EX by SW 8260B Analytes Sample: 445224-004 / SMP Date Analyzed: 07/18/12 01:13 EX by SW 8260B	0.0439 0.0532 Bate SU Amount Found [A] 0.0512 0.0416 0.0424 0.0527 Bate	0.0500 0.0500 h: 1 Matrix RROGATE R True Amount [B] 0.0500 0.0500 0.0500 0.0500 h: 1 Matrix	106 x: Soil ECOVERY %R [D] 102 83 85 105 x: Soil	73-132 STUDY Control Limits %R 58-152 74-126 80-120 73-132	Flags
1,2-Dichloroethane-D4 Toluene-D8 Lab Batch #: 892439 Units: mg/kg BTH 4-Bromofluorobenzene Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 Lab Batch #: 892439 Units: mg/kg BTH	Date Analyzed: 07/18/12 00:49 EX by SW 8260B Analytes Sample: 445224-004 / SMP Date Analyzed: 07/18/12 01:13 EX by SW 8260B	0.0439 0.0532 Bate SU Amount Found [A] 0.0512 0.0416 0.0424 0.0527 Bate SU Amount Found	0.0500 0.0500 h: 1 Matrix RROGATE R True Amount [B] 0.0500 0.0500 0.0500 0.0500 0.0500 h: 1 Matrix RROGATE R True Amount	106 x: Soil ECOVERY Recovery %R [D] 102 83 85 105 x: Soil ECOVERY Recovery %R	73-132 STUDY Control Limits %R 58-152 74-126 80-120 73-132 STUDY Control Limits	
1,2-Dichloroethane-D4 Toluene-D8 Lab Batch #: 892439 Units: mg/kg BTF 4-Bromofluorobenzene Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 Lab Batch #: 892439 Units: mg/kg BTF 4-Bromofluorobenzene	Date Analyzed: 07/18/12 00:49 EX by SW 8260B Analytes Sample: 445224-004 / SMP Date Analyzed: 07/18/12 01:13 EX by SW 8260B	0.0439 0.0532 Bate SU Amount Found [A] 0.0512 0.0416 0.0424 0.0527 Bate SU Amount Found [A]	0.0500 0.0500 h: 1 Matrix RROGATE R True Amount [B] 0.0500 0.0500 0.0500 0.0500 0.0500 h: 1 Matrix RROGATE R True Amount [B]	106 x: Soil ECOVERY Recovery %R [D] 102 83 85 105 x: Soil ECOVERY S Recovery %R [D]	73-132 STUDY Control Limits %R 58-152 74-126 80-120 73-132 STUDY Control Limits %R	
1,2-Dichloroethane-D4 Toluene-D8 Lab Batch #: 892439 Units: mg/kg BTH 4-Bromofluorobenzene Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 Lab Batch #: 892439 Units: mg/kg	Date Analyzed: 07/18/12 00:49 EX by SW 8260B Analytes Sample: 445224-004 / SMP Date Analyzed: 07/18/12 01:13 EX by SW 8260B	0.0439 0.0532 Bate SU Amount Found [A] 0.0512 0.0416 0.0424 0.0527 Bate SU Amount Found [A] 0.0506	0.0500 0.0500 h: 1 Matrix RROGATE R True Amount [B] 0.0500 0.0500 0.0500 0.0500 h: 1 Matrix RROGATE R True Amount [B] 0.0500	106 x: Soil ECOVERY Recovery %R [D] 102 83 85 105 x: Soil ECOVERY S Recovery %R [D] 105 x: Soil ECOVERY S Recovery %R [D] 101	73-132 STUDY Control Limits %R 58-152 74-126 80-120 73-132 STUDY Control Limits %R 58-152	

* 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



Project Name: MA-4

ork Orders : 445224,	DOS / CMP	Project I			
	C1			STUDY	
BTEX by SW 8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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-	-BLK / BLK Bate	h: 1 Matri	x:Solid		
Units: mg/kg Date Analyzed: 07/13/12	10:33 SU	RROGATE R	ECOVERY	STUDY	
TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	108	100	108	70-135	
o-Terphenyl	59.1	50.0	118	70-135	
Lab Batch #: 892439 Sample: 624721-1	I-BLK / BLK Bate	h: 1 Matri	s:Solid		
Units: mg/kg Date Analyzed: 07/17/12	23:37 SU	RROGATE R	ECOVERY	STUDY	
BTEX by SW 8260B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
4-Bromofluorobenzene	0.0494	0.0500	99	58-152	
Dibromofluoromethane	0.0453	0.0500	91	74-126	
1,2-Dichloroethane-D4	Date Analyzed: 07/18/12 01:36 SURROGATE RI TEX by SW 8260B Amount Found [A] True Amount [B] Analytes 0.0516 0.0500 0.0465 0.0500 0.0465 0.0465 0.0500 0.0513 0.0513 0.0500 0.0513 Sample: 624523-1-BLK / BLK Batch: 1 Date Analyzed: 07/13/12 10:33 SURROGATE RI PH By SW8015 Mod Amount [A] True Amount [B] Analytes 108 100 Sample: 624721-1-BLK / BLK Batch: 1 Matrix: Date Analyzed: 07/17/12 23:37 SURROGATE RI TEX by SW 8260B Amount [A] True Amount [A] Analytes 108 100 SurroGATE RI SUROGATE RI TEX by SW 8260B Amount [A] True Amount [A] Analytes 0.0494 0.0500 0.0453 0.0500 0.0500 Sample: 624523-1-BKS / BKS Batch: I Matrix: Date Analyzed: 07/13/12 10:53 SUROGATE RI	90	80-120		
Toluene-D8	0.0505	0.0500	101	73-132	
Lab Batch #: 892167 Sample: 624523-1					
Units: mg/kg Date Analyzed: 07/13/12	10:53 SU	RROGATE R	ECOVERY	STUDY	
TPH By SW8015 Mod Analytes	Found	Amount	Recovery %R [D]	Control Limits %R	Flags
I-Chlorooctane	112	100	112	70-135	
o-Terphenyl	62.2	60.0	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



Project Name: MA-4

ork Orders : 445224, Lab Batch #: 892439 Sample: 624721-1-BKS / Bł	KS Bate	Project I h: 1 Matri	D: x:Solid		
Units: mg/kg Date Analyzed: 07/17/12 22:02		RROGATE R	ECOVERY	Control Limits %R 58-152 74-126 80-120 73-132 STUDY Control Limits %R 70-135 70-135 70-135 STUDY Control Limits %R 58-152 74-126 80-120 73-132 STUDY Control Limits %R	
BTEX by SW 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Limits	Flags
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 / BS	SD Bate	h: 1 Matri	x: Solid		
Units: mg/kg Date Analyzed: 07/13/12 11:14	SU	RROGATE R	ECOVERY	STUDY	
TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Limits	Flags
1-Chlorooctane	106	100	106	70-135	
o-Terphenyl	43.9	50.0	88	70-135	
Lab Batch #: 892439 Sample: 624721-1-BSD / BS	SD Bate	h: 1 Matri	x:Solid		
Units: mg/kg Date Analyzed: 07/17/12 22:26	SU	RROGATE R	ECOVERY	STUDY	
BTEX by SW 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Limits	Flags
4-Bromofluorobenzene	0.0480	0.0500	96	58-152	
Dibromofluoromethane	0.0457	0.0500	91		
1.2-Dichloroethane-D4	0.0465	0.0500	93		
Toluene-D8	0.0489	0.0500	98	73-132	
Lab Batch #: 892167 Sample: 445224-001 S / MS	Batc	h: 1 Matri	x: Soil		
Units: mg/kg Date Analyzed: 07/13/12 14:53		RROGATE R	ECOVERY	STUDY	
TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]		Flags
1-Chlorooctane	102	99.9	102	70-135	
	52.9				

* 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



Project Name: MA-4

/ork Orders : 445224, Lab Batch #: 892167 Sample: 445224-001 SD / M	SD Bate	Project I			
Units: mg/kg Date Analyzed: 07/13/12 15:14		RROGATE R		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 / MI Units: mg/kg Date Analyzed: 07/18/12 02:00		h: 1 Matrix RROGATE R		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	
Dibromofluoromethane 1,2-Dichloroethane-D4	2105 A.	0.0500	78 81	74-126 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 * A / B





Project Name: MA-4

Work Order #: 445224 Analyst: BEC Lab Batch ID: 892439 Sample: 624721-		Date Prepared: 07/17/2012 KS Batch #: 1 BLANK /BLANK SPIKE / BL/ BL/ANK SPIKE / BL/				Project ID: Date Analyzed: 07/17/2012 Matrix: Solid						
Lab Batch ID: 892439 Sample: 624721- Units: mg/kg	I-BK5			SPIKE / I	BLANK S	PIKE DUP		and the second se	and the second s	Ŷ		
BTEX by SW 8260B	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	
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 Lab Batch ID: 892049 Sample: 624456- Units: mg/kg		Batch	ed: 07/11/20 n #: 1 K /BLANK		BLANK S	PIKE DUP		Matrix: S		θ¥		
Inorganic Anions by EPA 300/300.1 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	
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 Lab Batch ID: 892167 Sample: 624523-1			te Prepared: Batch #		12			Date A	ect ID: alyzed: () Matrix: S)7/13/2012 Solid		
Units: mg/kg			BLANK	BLANK	SPIKE / E	BLANK S	PIKE DUPI	LICATE I	RECOVE	ERY STUD	Y	
TPH By SW80	15 Mod San	Blank nple Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes			[B]	[C]	[D]	[E]	Result [F]	[G]				
C6-C12 Gasoline Range Hydroc	arbons	<15.0	1000	858	86	1000	891	89	4	70-135	35	
C12-C28 Diesel Range Hydroca	rbons	<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



Chloride

Form 3 - MS Recoveries





Work Order #: 445224 Lab Batch #: 892049 **Project ID:** Date Prepared: 07/12/2012 Analyst: TTE Date Analyzed: 07/12/2012 QC- Sample ID: 445298-002 S Batch #: Matrix: Solid 1 MATRIX / MATRIX SPIKE RECOVERY STUDY Reporting Units: mg/kg Parent Spiked Sample **Inorganic Anions by EPA 300** Control Sample Spike %R Limits Flag Result Result Added %R [C] [D] [A] [B] Analytes Chloride 99.2 102 186 85 80-120 Lab Batch #: 892049 Date Analyzed: 07/11/2012 Date Prepared: 07/11/2012 Analyst: TTE QC- Sample ID: 445299-001 S Batch #: 1 Matrix: Solid Reporting Units: mg/kg MATRIX / MATRIX SPIKE RECOVERY STUDY Parent Spiked Sample **Inorganic Anions by EPA 300** Control Sample Spike %R Result Limits Flag Result %R Added [C] [D] [A] [B] Analytes

82.8

106

178

90

80-120

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

BRL - Below Reporting Limit



Form 3 - MS / MSD Recoveries

Project Name: MA-4

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- 2	The state of the	
	2 C	

Work Order #: 445224						Project II):				
Lab Batch ID: 892167 Date Analyzed: 07/13/2012 Reporting Units: mg/kg	QC- Sample ID: Date Prepared:	07/13/2		An		l Matrix JUJ KE DUPLICA		OVERY	STUDY		
TPH By SW8015 Mod	Parent Sample Result	Spike	Spiked Sample Result [C]	Spiked Sample %R	Spike Added	Duplicate Spiked Sample Result [F]	Spiked Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes	[A]	[B]		[D]	[E]	Kesun [F]	[G]	/0	701	70RTD	
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 $[D] = 100^{\circ}(C-A)/B$ Relative Percent Difference $RPD = 200^{\circ}|(C-F)/(C+F)|$

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

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Sample Duplicate Recovery



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	Date Prepared: 07/17/2012 Batch #: 1 SAMPLE /	Ma	Project I alyst: BEC atrix: Soil		OVERY
BTEX by SW 8260B Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
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
QC- Sample ID: 445224-001 D	Batch #: 1		trix: Soil		
QC- Sample ID: 445224-001 D Reporting Units: % Percent Moisture Analyte	Batch #: 1 SAMPLE / Parent Sample Result [A]			ATE REC Control Limits %RPD	OVERY
Reporting Units: % Percent Moisture	SAMPLE / Parent Sample Result	SAMPLE Sample Duplicate Result	DUPLIC	Control Limits	
Reporting Units: % Percent Moisture Analyte	SAMPLE / Parent Sample Result [A]	SAMPLE Sample Duplicate Result [B] 18.1 Ana Ma	DUPLIC RPD 1 alyst: RKO trix: Solid	Control Limits %RPD 20	Flag
Reporting Units: % Percent Moisture Analyte Percent Moisture Lab Batch #: 891872 Date Analyzed: 07/10/2012 15:40 QC- Sample ID: 445299-002 D	SAMPLE / Parent Sample Result [A] 17.9 Date Prepared: 07/10/2012 Batch #: 1	SAMPLE Sample Duplicate Result [B] 18.1 Ana Ma	DUPLIC RPD 1 alyst: RKO trix: Solid	Control Limits %RPD 20	Flag

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



Comments

Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- MonahanAcceptable Temperature Range: 0 - 6 degCDate/ Time Received: 07/06/2012 09:35:00 AMAir and Metal samples Acceptable Range: AmbientWork Order #: 445224Temperature Measuring device used :

	Sample Receipt Checklist	
#1 *Temperature of cooler(s)?		2.5
#2 *Shipping container in good condition	1?	Yes
#3 *Samples received on ice?		Yes
#4 *Custody Seals intact on shipping con	ntainer/ cooler?	N/A
#5 Custody Seals intact on sample bottle	es/ 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 Cha	ain of Custody?	Yes
#9 Any missing/extra samples?		No
#10 Chain of Custody signed when reline	quished/ received?	Yes
#11 Chain of Custody agrees with samp	le label(s)?	Yes
#12 Container label(s) legible and intact	?	Yes
#13 Sample matrix/ properties agree with	h 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 indicat	ed test(s)?	Yes
#18 All samples received within hold tim	e?	Yes
#19 Subcontract of sample(s)?		Yes
#20 VOC samples have zero headspace	e (less than 1/4 inch bubble)?	N/A
#21 <2 for all samples preserved with HI	NO3,HCL, H2SO4?	N/A
#22 >10 for all samples preserved with N	VaAsO2+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

Final 1.001

Page 28 of 28

	Project Manager:	Ben J. Arguijo								_							Pro	ojec	t Na	me:	M/	4-4										-
	Company Name	Basin Environmental Se	ervice T	echnole	ogies, LLC						_	_	-			-		P	rojec	ct #:	_											_
	Company Address:	P.O. Box 301														_	F	Proj	ect l	Loc:	Lea	Co	unty	, NI	N		_					_
	City/State/Zip:	Lovington, NM 88260																	P	0 #:	_									_		_
	Telephone No: Sampler Signature:	(575)396-2378 Bally LBC	abus	me	1	Fax No: e-mail:		and because of		96-1			e.Sla	ide@	SUG.	.com	Report	t Fo	erma	t:	X	Star				01	TRR	р ·		NPD	ES	
(lab use	11155	24							F	Prese	rvati	on & i	# of (Conta	iners	+	Matrix	1158	T		-	CLP: TAL:		halyz	-	x		T	Τ	Г	24, 48, 72 hrs	_
LAB # (lab use only)	FIE	LD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	HCI	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	city)	DW=Drinking Water SL=Sludge GW = Groundwater S=Sol/Solid NP=Non-Potable Specify Other	TPH: 418.1 8015M 80	TX 1005	Cations (Ca, Mg, Na, K)	Anions (CI, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 80218/5030 or BTEX 8260	CHLORIDES				RUSH TAT (Pre-Schedule) 2 Standard TAT 4 DAY	I WA & I WI DIRDURG
001	#1 V	Vest Wall	3'	3'	7/5/2012	1205		1	x								SOIL	x									х			\Box)	x
002	#2	2 Floor	3'	3'	7/5/2012	1215		1	X								SOIL	X									X)	X
003	#3 E	East Wall	3'	3'	7/5/2012	1220		1	x								SOIL	x									x				>	K
004	#4 F	lowpath	1'	1'	7/5/2012	1235		1	x								SOIL	X									x)	ĸ
005	-	lowpath	'1'	1'	7/5/2012	1250		1	x						-	+	SOIL	X						-	_		x	+			>	K
																									-					-		-
Special **Run B Relinque		TPH less than 1,000 mg/K Date 7-5-12		ime 20	Received by:	Mar			2							Date J		Tim		Sar VO Lab Cus Cus	nple Cs F els stod	Free on o y set	of H onte als c als c	lead liner on co on co	ontaii ooler	xe?	1.955		\$ 600 L	2 8		101 101 104 103
Relinquis	Amy Ram	Date 7.67	129	'35 ime	Received by EL	ot: [lrua	N	d	2						2/0	Date	12 9	Tim	ne X	1	by S	Samo	ler/		ered t Rep UPS Rece	p. ? c	DHL	Fe	Sedex	Lone	N e Star °C	

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: AZ00989): 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

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
# 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

Sample receipt non conformances and comments: None

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.





445376

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: #6 Flow Path Lab Sample Id: 445376-001		Matrix: Soil llected: Jul-06-1	2 11:45	% Moisture: .89 Basis: Dr) 'y Weight	
Sample Depth: 1 ft	Date Rec	ceived: Jul-10-1	2 16:40			
Analytical Method: Inorga	nic Anions by EPA 300/3	300.1		Prep Metho	d: E300P	
Seq Number: 891966				Date Prep	: Jul-11-1	2 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





445376

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4						
Sample Id: #7 Flow Path Lab Sample Id: 445376-002 Sample Depth: 1 ft	Date Co	Matrix: Soil llected: Jul-06-1 ceived: Jul-10-1	% Moisture: 3.39 Basis: Dry Weight					
Analytical Method: Inorgani Seq Number: 891966	c Anions by EPA 300/3	300.1		Prep Metho Date Prep	d: E300P : Jul-11-1	2 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		





445376

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: # 7 Flow Path Lab Sample Id: 445376-002		Matrix: Soil llected: Jul-06-1 2	% Moisture: Basis: W			
Sample Depth: 1 ft	Date Rec	eived: Jul-10-12	2 16:40			
Analytical Method: Percent M Seq Number: 891976	loisture					
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	3.39	%	07/11/12 10:10		1





445376

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: South Wall Lab Sample Id: 445376-003		Matrix: Soil llected: Jul-09-1	2 11:20	% Moisture: 4.0 Basis: Dr	54 'y Weight	
Sample Depth: 5 ft	Date Rec	eived: Jul-10-1	2 16:40			
Analytical Method: Inorgan Seq Number: 891966	ic Anions by EPA 300/3	600.1		Prep Metho Date Prep	d: E300P : Jul-11-1	2 12:15
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1.63	mg/kg	07/11/12 12:15		1





445376

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: South Wall Lab Sample Id: 445376-003		Matrix: Soil llected: Jul-09-12	2 11:20	% Moisture: Basis: W	et Weight	
Sample Depth: 5 ft	Date Rec	eived: Jul-10-12	2 16:40			
Analytical Method: Percent N Seq Number: 891976	Moisture					
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	4.64	%	07/11/12 10:10		1





445376

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: East Wall R.I Lab Sample Id: 445376-004		Matrix: Soil llected: Jul-09-1	2 11:20	% Moisture: 3. Basis: Di	84 ry Weight	
Sample Depth: 6 ft	Date Rec	ceived: Jul-10-1	2 16:40			
Analytical Method: Inorga Seq Number: 891966	nic Anions by EPA 300/.	300.1		Prep Metho Date Prep	od: E300P o: Jul-11-1	2 12:31
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6.65	mg/kg	07/11/12 12:31		1





445376

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: East Wall R.P. Lab Sample Id: 445376-004		Matrix: Soil llected: Jul-09-12	2 11:20	% Moisture: Basis: W	et Weight	
Sample Depth: 6 ft	Date Rec	eived: Jul-10-12	2 16:40			
Analytical Method: Percent M Seq Number: 891976	oisture					
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Di
Percent Moisture	TMOIST	3.84	%	07/11/12 10:10		1





445376

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: West Wall R. Lab Sample Id: 445376-005		Matrix: Soil llected: Jul-10-1	2 09:25	% Moisture: 5. Basis: Di	73 ry Weight	
Sample Depth: 5 ft	Date Rec	eived: Jul-10-1	2 16:40			
Analytical Method: Inorga	nic Anions by EPA 300/3	300.1	Prep Method: E300P			
Seq Number: 891966				Date Prep	: Jul-11-1	2 12:47
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	85.2	mg/kg	07/11/12 12:47		1





445376

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: West Wall R.P. Lab Sample Id: 445376-005		Matrix: Soil llected: Jul-10-12	2 09:25	% Moisture: Basis: W	et Weight	
Sample Depth: 5 ft	Date Rec	eived: Jul-10-12	2 16:40			
Analytical Method: Percent M Seq Number: 891976	oisture					
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Di
Percent Moisture	TMOIST	5.73	%	07/11/12 10:10		1





445376

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: West Floor R.P. Lab Sample Id: 445376-006		Matrix: Soil llected: Jul-10-1	2 10:10	% Moisture: 10 Basis: Di	.4 ry Weight	
Sample Depth: 5 ft	Date Rec	ceived: Jul-10-1	2 16:40			
Analytical Method: Inorganic	Anions by EPA 300/3	300.1	Prep Method: E300P			
Seq Number: 891966				Date Prep	: Jul-11-1	2 13:03
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	263	mg/kg	07/11/12 13:03		1





445376

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: West Floor R.P. Lab Sample Id: 445376-006 Sample Depth: 5 ft	Date Co	Matrix: Soil llected: Jul-10-12 ceived: Jul-10-12		% Moisture: Basis: W	et Weight	
Analytical Method: Percent M Seq Number: 891976	oisture					
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Di
Percent Moisture	TMOIST	10.4	%	07/11/12 10:10		1





8

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: East Floor R.P. Lab Sample Id: 445376-007 Sample Depth: 5 ft	Date Co	Matrix: Soil llected: Jul-10-12 ceived: Jul-10-12		% Moisture: Basis: W	et Weight	
Analytical Method: Percent M Seq Number: 891976	loisture					
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	9.31	%	07/11/12 10:10		1





445376

Southern Union Gas Services- Monahans, Monahans, TX

		MA-4				
Sample Id: East Floor R.P. Lab Sample Id: 445376-007 Sample Depth: 5 ft	Date Co	Matrix: Soil llected: Jul-10-1 ceived: Jul-10-1		% Moisture: Basis: W	et Weight	
Analytical Method: Inorgania Seq Number: 891966	c Anions by EPA 300/3	300.1		Prep Metho Date Prep	od: E300P c: Jul-11-1	2 13:51
Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
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



Contact: Rose Slade

Project Id:

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

					I TOJCCI MANAGEL I	INICIIOIAS JUACCIONC	
	Lab Id:	445376-001	445376-002	445376-003	445376-004	445376-005	445376-006
Aundinein Danuactad	Field Id:	# 6 Flow Path	# 7 Flow Path	South Wall	East Wall R.P.	West Wall R.P.	West Floor R.P.
naisanhay sistinuk	Depth:	1 ft	1 Ĥ	5 ft	6 Ĥ	5 ft	5 A
	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-11-1214:06	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
Tolucne		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 Xylencs		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	Extracted:	Jul-11-12 11:26	Jul-11-12 11:59	Jul-11-12 12:15	Jul-11-12 12:31	Jul-11-1212:47	Jul-11-12 13:03
SUB: TX104704215	Analyzed:	Jul-11-12 11:26	Jul-11-12 11:59	Jul-11-12 12:15	Jul-11-12 12:31	Jul-11-1212:47	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	Extracted:						
	Analyzed:	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
	Units/RL:	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		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	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 151	ND ISS	ND 157	ND 155	ND 15.0	167 UN

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential nac. The interpretations and results expressed throughout this analytical report represent the basi algoment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end also of the data hereby presented. Our liability is limited to the annount 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

Nul Ch

Page 18 of 32



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	s Straccione
	Lab Id:	445376-007	
Audinio Domodad	Field Id:	East Floor R.P.	
naicanhay sisting	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 thin analytical report represent the bast jugitament of XENCO Laboratorias. XENCO Laboratories assumes no responsibility and makes no warmany to the card use of the data hereby presented. Our liability is litraied to the annount 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

Inl Ch

Final 1.000

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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

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

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

Certified and approved by numerous States and Agencies.

LOQ Limit of Quantitation

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 (770) 449-5477

 (602) 437-0330
 (770) 449-5477



Project Name: MA-4

Contract of the second se	Sample: 445376-001 / SMP	Bate	Project I			
	Date Analyzed: 07/11/12 12:42		RROGATE R		STUDY	
	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
I-Chlorooctane		83.2	100	83	70-135	
o-Terphenyl		45.3	50.1	90	70-135	
Lab Batch #: 892003	Sample: 445376-002 / SMP	Bate	h: 1 Matrix	x:Soil		
Units: mg/kg	Date Analyzed: 07/11/12 13:11	SU	RROGATE R	ECOVERY	STUDY	
ТРН І	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
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	Bate	h: 1 Matri	x:Soil		
Units: mg/kg	Date Analyzed: 07/11/12 13:41	SU	RROGATE R	ECOVERY	STUDY	
TPHI	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
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	Bate	h: 1 Matrix	x:Soil		
Units: mg/kg	Date Analyzed: 07/11/12 13:44	SU	RROGATE R	ECOVERY	STUDY	
BTEX	K by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
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	Bato	h: 1 Matrix	x:Soil		
Units: mg/kg	Date Analyzed: 07/11/12 14:06	su	RROGATE R	ECOVERY	STUDY	
BTEX	K by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
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 * A / B



Project Name: MA-4

ork Orders : 445376 Lab Batch #: 892003	5, Sample: 445376-004 / SMP	Bate	Project I			
Units: mg/kg	Date Analyzed: 07/11/12 14:11	SU	RROGATE R	ECOVERY	STUDY	
ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes		1.	[D]		
I-Chlorooctane		84.8	99.5	85	70-135	
o-Terphenyl		45.9	49.8	92	70-135	
Lab Batch #: 892008	Sample: 445376-003 / SMP	Bate	h: 1 Matri	x:Soil		
Units: mg/kg	Date Analyzed: 07/11/12 14:29	SU	RROGATE R	ECOVERY	STUDY	
BTE	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
	Analytes					
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	Bate	h: 1 Matri	x:Soil		
Units: mg/kg	Date Analyzed: 07/11/12 14:40	SU	RROGATE R	ECOVERY	STUDY	
ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
	Analytes					
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	Bate				
Units: mg/kg	Date Analyzed: 07/11/12 14:52	su	RROGATE R	ECOVERY	STUDY	
BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
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	Bate	h: 1 Matri	c:Soil		
Units: mg/kg	Date Analyzed: 07/11/12 15:09	SU	RROGATE R	ECOVERY	STUDY	
ТРН	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
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 * A / B



Project Name: MA-4

Lab Batch #: 892003	Sample: 445376-007 / SMP	Batc	h: 1 Matrix	x:Soil		
Units: mg/kg	Date Analyzed: 07/11/12 15:38	SU	RROGATE R	ECOVERY	STUDY	
TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flag
	Analytes			[D]		
1-Chlorooctane		86.4	100	86	70-135	
o-Terphenyl		47.4	50.0	95	70-135	
Lab Batch #: 892008	Sample: 445376-005 / SMP	Batc	h: 1 Matrix	x:Soil		
Units: mg/kg	Date Analyzed: 07/11/12 15:57	SU	RROGATE R	ECOVERY	STUDY	
BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
1,4-Difluorobenzene	Analytes	0.0282	0.0300	94	80-120	
4-Bromofluorobenzene		0.0282	0.0300	75	80-120	*
	0					
Lab Batch #: 892008	Sample: 445376-006 / SMP Date Analyzed: 07/11/12 16:20	Bate	RROGATE R		STUDY	
Units: mg/kg	Date Analyzed: 07/11/12 16:20		1			
BTE	Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
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	Bate	h: 1 Matrix	:Soil		
Units: mg/kg	Date Analyzed: 07/11/12 16:43	SU	RROGATE R	ECOVERY	STUDY	
BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
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 / BL	K Bate	h: 1 Matrix	x:Solid		
Units: mg/kg	Date Analyzed: 07/11/12 12:12	SU	RROGATE R	ECOVERY	STUDY	
TPH	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
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



Project Name: MA-4

ork Orders : 445376, Lab Batch #: 892008 Sample:	624433-1-BLK / BL	K Batch:	Project I Matri	D: x:Solid		
Units: mg/kg Date Analyzed:	E			ECOVERY	STUDY	
BTEX by EPA 8021B Analytes		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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 / BK	S Batch:	1 Matri	x:Solid		
Units: mg/kg Date Analyzed:	07/11/12 10:42	SURI	ROGATE R	ECOVERY	STUDY	
BTEX by EPA 8021B Analytes		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1.4-Difluorobenzenc		0.0300	0.0300	100	80-120	
4-Bromofluorobenzene		0.0275	0.0300	92	80-120	
Lab Batch #: 892003 Sample:	624425-1-BKS / BK	S Batch:	Matri	:Solid		
Units: mg/kg Date Analyzed:		ACTING COLORED		ECOVERY	STUDY	
TPH By SW8015 Mod	í.	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flag
Analytes				[D]		
1-Chlorooctane		98.4	100	98	70-135	
o-Terphenyl		49.4	50.0	99	70-135	
Lab Batch #: 892008 Sample:	624433-1-BSD / BS		1 Matrix	24		
Units: mg/kg Date Analyzed:	07/11/12 11:05	SURI	ROGATE R	ECOVERY	STUDY	
BTEX by EPA 8021B Analytes		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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 / BSI	D Batch:	l Matrix	c:Solid		
Units: mg/kg Date Analyzed:	07/11/12 11:42	SURI	ROGATE R	ECOVERY S	STUDY	
TPH By SW8015 Mod Analytes		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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 * A / B All results are based on MDL and validated for QC purposes.



Project Name: MA-4

/ork Orders : 445376,		Project I	D:		
Lab Batch #: 892003 Sample: 445376-001	S/MS Bate	h: 1 Matri	x:Soil		
Units: mg/kg Date Analyzed: 07/11/12 16:	12 SU	RROGATE R	ECOVERY	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 Bate	h: 1 Matri	x:Soil		
Units: mg/kg Date Analyzed: 07/11/12 16:	41 SU	RROGATE R	ECOVERY	STUDY	
TPH By SW8015 Mod	Amount Found	True Amount	Recovery	Control Limits	Flags
Analytes	[A]	[B]	%R [D]	%R	
Analytes 1-Chlorooctane	[A] 96.0	[B]		%R	

* 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:07/11/2012Project ID:Date Analyzed:07/11/2012										
Lab Batch ID: 892008 Sample: 624433-1-	BKS	Batc	h #: 1					Matrix: S	Solid		
Units: mg/kg		BLAN	K/BLANK S	SPIKE / F	BLANK S	PIKE DUPI	LICATE	RECOVE	ERY STUD	Ŷ	
BTEX by EPA 8021B 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
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 Lab Batch ID: 891966 Sample: 624414-1		Batc	red: 07/11/201 h #: 1					Matrix: S	0.000		
Units: mg/kg		BLAN	K /BLANK S	SPIKE / F	BLANK S	PIKE DUPI	LICATE	RECOVE	ERY STUD	Ŷ	
Inorganic Anions by EPA 300/300.1 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
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 Lab Batch ID: 892003	Sample: 624425-1-BKS	Dat	te Prepare Batch	d: 07/11/20 #: 1	12			Date Ar	ect ID: nalyzed: (Matrix: S	07/11/2012 Solid		
Units: mg/kg			BLANK	BLANK	SPIKE / I	BLANK S	PIKE DUPI	LICATE I	RECOVI	ERY STUD	Y	
TPH By SW80	15 Mod Blan Sample I [A]	Result	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes			[B]	[C]	[D]	[E]	Result [F]	[G]		L		
C6-C12 Gasoline Range Hydroc	arbons <15.	0	1000	701	70	997	701	70	0	70-135	35	
C12-C28 Diesel Range Hydroca	rbons <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



Form 3 - MS Recoveries



Project Name: MA-4

Lab Batch #: 891966 Date Analyzed: 07/11/2012	Date Prepared: 07/1	1/2012		ject ID: nalyst: T				
QC- Sample ID: 445376-001 S	Batch #: 1 Matrix: Soil							
Reporting Units: mg/kg	MATR	RIX / MA	TRIX SPIKE	RECO	VERY STU	DY		
Inorganic Anions by EPA 300	Parent Sample Result	Spike Added	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag		
Analytes	[A]	[B]	101	1-1				
Chloride	2.86	101	107	103	80-120			

Matrix Spike Percent Recovery [D] = 100*(C-A)/B Relative Percent Difference [E] = 200*(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 II):				
Lab Batch ID: 892003 Date Analyzed: 07/11/2012	QC- Sample ID: Date Prepared:	07/11/2	012	An		l Matrix ASA					
Reporting Units: mg/kg		M	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA'	TE REC	OVERY	STUDY		
TPH By SW8015 Mod	Parent Sample	Spike	Spiked Sample Result	Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	Result [A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	
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

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Sample Duplicate Recovery



Project Name: MA-4

Work Order #: 445376

Lab Batch #: 891976 Date Analyzed: 07/11/2012 10:10 QC- Sample ID: 445376-001 D	Date Prepared: 07/11/2012 Batch #: 1		Project I lyst: WRU trix: Soil		
Reporting Units: %	SAMPLE /	SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture	Parent Sample Result [A]	Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte		[B]			
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



XENCO Laboratories



Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- Monahan Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient Date/ Time Received: 07/10/2012 04:40:00 PM **Temperature Measuring device used :** Work Order #: 445376 Comments Sample Receipt Checklist #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

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				and the second	_			_								Pro	ject	Nar	ne:		M	A	-4	1			-			
	Company Name	Basin Environmental Ser	vice Te	chnol	ogies, LLC		_					-				_			Pre	ojec	t#:											
	Company Address:	P.O. Box 301					_				_					_		P	roje	ct L	oc:	Lea	Co	unty	, NA	1	_					
	City/State/Zip:	Lovington, NM 88260							-							_				PC)#:		_							-		
	Telephone No: Sampler Signature:	(575)398-2378 Bables My	14	h	m	Fax No: e-mail:		-		96-1 @bas			; Rai	se.Sla	de@s	SUG.		port	For	mat	:	X	Star	ndar	d			TRR	р	0	NPD)ES
		Partificia	1 miles	ma				-	-							-		-		-				Ar	alyz	e Fo	or:		-		T	
(lab use	11-1-21	76							Pr	eser	vatio	n e	I of	Cont	ainer	3	Ma	rix	-		_	- Lines	CLP:	_		1	X		1,			8, 72 hrs
AB # (lab use only)			Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Fotal #. of Containers	tce	HNOs		H ₂ SO4		⁶ 0 ³		Uner (Specify)	- UTILISTING WALCH SL = SIUGO	Non-Potable Specify othe	TPH: 418.1 (015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alicelinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volaties	Semivolatiles	副	CHLORIDES 300.			ć	RUSH TAT (Pre-Schedule) 24748. Standard TAT 4 DAY
001	#6 Flow A	PATH		1"	7-6-12	11:45			X							T	2		X							1	X	X				X
002	# TFLOW P.	ATH		11	7-2-12	12:05			X								1		X													
003	SOUTH WAL	(5'	7-9-12	11:20			X										X								X	X				X
004	EAST FLOOR	WALL R.P.		4	77072	9:15/	20	2	X							1		_	X								X	K				X
COS	WEST WAL	L R.P.		5	710-12	9:25			X								-		X								X	X				X
000	WEST FLOOR	R.P.		5'	7-10-12	10:10			X										X								X	X			ľ	X
00	EAST FLOOR	R.P.		5'	7-10-12	9:50			X				-	-	+	+	1		X		-	-			-	-	X	X	+		-	X
							_						_	-	+	Ŧ		-	-		-		_	_	-	-	7	-	+	-	H	Ŧ
Special **Run E Relingui Relingui	Holmen	ghest GRO value.** Date Date 7.40.12 Pate T1.0.12 Date Date	1:	ime 30 ime y 40 ime	Received by Received by: Received by: But	St.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		l	1					_	Date	1-	1	Time	30	San VO(Lab Cus Cus San	nple Cs F els o tody tody pple by S by C	Cor ree on o / sea / sea / sea / sea / sea / sea	of H onta als c als c oler/0 er?	on co elive Clien	Inta spac (s) ontai ooler ared t Re UPS	ct? ce? Iner(r(s)	s) DHL	Fe	Y YYYYYYYXX AEX	Lone	N N N N N Star

Page 32 of 32

Analytical Report 445802

for

Southern Union Gas Services- Monahans

Project Manager: Ben Arguijjo

MA-4

19-JUL-12

Collected By: Curt Stanley



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



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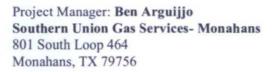
Xenco-Houston (EPA Lab code: TX00122): Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002) Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054) New Hampshire (297408), New Jersey (TX007), New York (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: AZ00989): Arizona (AZ0758)



19-JUL-12



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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Southern Union Gas Services- Monahans, Monahans, TX

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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 Name: MA-4

Project Id: Contact: Ben Arguijjo Project Location: Lee County, NM

Date Received in Lab: Wed Jul-18-12 08:15 am Report Date: 19-JUL-12

Project Manager: Nicholas Straccione

			riojeet manager.	Trenolas Sudeenone
	Lab Id:	445802-001		
to the Decent of	Field Id:	North Wall		
Analysis Requested	Depth:	5- ft		
	Matrix:	SOIL		
	Sampled:	Jul-16-12 14:30		
BTEX by EPA 8021B	Extracted:	Jul-19-12 11:30		
	Analyzed:	Jul-19-12 12:47		
	Units/RL:			
Benzene	Unus/RL:	mg/kg RL 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	k.	ND 0.00107		
Inorganic Anions by EPA 300/300.1	by EPA 300/300.1 Extracted: Jul-19-12 11:19			
SUB: E871002	Analyzed:	Jul-19-12 11:19		
	Units/RL:	mg/kg RL		and the second
Chloride		120 10.7		
Percent Moisture	Extracted:			
		Jul-18-12 09:25		
	Analyzed:			
The summer of the Section	Units/RL:	% RL	 	
Percent Moisture		6.67 1.00		
TPH By SW8015 Mod	Extracted:	Jul-18-12 09:00		
	Analyzed:	Jul-18-12 09:19		
	Units/RL:	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 Laboratorics 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 COD Limit of Detection	MDL Method Detection Limit	SDL Sample Detection Limit	LOD Limit of Detection
--	----------------------------	----------------------------	------------------------

PQL Practical Quantitation Limit MQL Method Quantitation Limit

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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LOQ Limit of Quantitation

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 (770) 449-5477

 (602) 437-0330
 (770) 449-5477



Project Name: MA-4

Lab Batch #: 892442	Sample: 445802-001 / SMP	Bate					
Units: mg/kg	Date Analyzed: 07/18/12 09:19	SU	RROGATE R	ECOVERY	STUDY		
ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flag	
	Analytes			[D]			
1-Chlorooctane		86.0	100	86	70-135		
o-Terphenyl		46.6	50.1	93	70-135		
Lab Batch #: 892595	Sample: 445802-001 / SMP	Bate					
Units: mg/kg	Date Analyzed: 07/19/12 12:47	SU	RROGATE R	ECOVERY	STUDY		
BTE	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag	
1.4-Difluorobenzene	Analytes	0.0271	0.0200		80.120		
4-Bromofluorobenzene		0.0271	0.0300	90	80-120 80-120		
					80-120		
Lab Batch #: 892442	Sample: 624715-1-BLK / BL	LK Batch: 1 Matrix: Solid SURROGATE RECOVERY STUDY					
Units: mg/kg	Date Analyzed: 07/17/12 21:14	st	RROGATE R	ECOVERY	STUDY		
TPH	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag	
1-Chlorooctane		99.7	100	100	70-135		
o-Terphenyl		55.0	50.1	110	70-135		
Lab Batch #: 892595	Sample: 624796-1-BLK / BL	K Bato	h: 1 Matrix	. Solid			
	Date Analyzed: 07/19/12 14:42		RROGATE R		STUDY		
Units: mg/kg							
BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag	
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 / BK	S Bate	h: Matrix	:Solid			
Units: mg/kg	Date Analyzed: 07/17/12 20:22		RROGATE R	ECOVERY S	STUDY		
ТРН	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag	
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



Project Name: MA-4

No. 10 and the	Data Analyzed 07/10/12 12:10	SL	RROGATE R	ECOVERY	STUDY			
Units: mg/kg	Date Analyzed: 07/19/12 13:10	50	KROGATE R	LCOVERT	51001			
BTEX	K by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
	Analytes			[D]				
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 / BS	SD Bate	h: 1 Matri	x:Solid				
Units: mg/kg	Date Analyzed: 07/17/12 20:48	SURROGATE RECOVERY STUDY						
ТРН І	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flag		
	Analytes			[D]				
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 / BS	D Bate	h: 1 Matri	s:Solid				
Units: mg/kg	Date Analyzed: 07/19/12 13:33	SU	SURROGATE RECOVERY STUDY					
BTEX	K by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flag		
	Analytes			[D]				
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	Bate	h: 1 Matrix	s:Soil				
Units: mg/kg	Date Analyzed: 07/18/12 00:13	SU	RROGATE R	ECOVERY	STUDY			
ТРН І	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag		
1-Chlorooctane		94.1	100	94	70-135			
o-Terphenyl		49.3	50.0	99	70-135			
Lab Batch #: 892442	Sample: 445734-001 SD / M	SD Bate	h: 1 Matrix	:Soil				
Units: mg/kg	Date Analyzed: 07/18/12 00:38	SU	RROGATE R	ECOVERY S	STUDY			
ТРН Н	3y SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag		
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





Project Name: MA-4

Work Order #: 445802 Analyst: ASA Lab Batch ID: 892595 Sample: 624796-1		-	ed: 07/19/201	12			Date A	ect ID: nalyzed: () Matrix: S	07/19/2012 Solid		
Units: mg/kg		BLAN	K/BLANK S	SPIKE / F	BLANK S	PIKE DUPI	LICATE I	RECOVE	RY STUD	Y	
BTEX by EPA 8021B 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
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 Lab Batch ID: 892601 Sample: 624800-1 Units: mg/kg		Batch	ed: 07/19/201 h #: 1 K /BLANK S		BLANK S	PIKE DUP		Matrix: S		Y	
Inorganic Anions by EPA 300/300.1 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
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 Lab Batch ID: 892442	Sample: 624715-1-BKS	Da	te Prepare Batch	d: 07/17/20	12			Date Ar	ect ID: nalyzed: () Matrix: S	07/17/2012 Solid		
Units: mg/kg			BLANK	K/BLANK S	SPIKE / E	BLANK S	PIKE DUPI	LICATE I	RECOVI	ERY STUD	Y	
TPH By SW80	Samp	lank ole Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes			[B]	[C]	[D]	[E]	Result [F]	[G]		_		
C6-C12 Gasoline Range Hydroca	arbons <	15.0	998	764	77	999	810	81	6	70-135	35	
C12-C28 Diesel Range Hydrocar	bons <	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		Proj	ject ID:				
Date Analyzed: 07/19/2012	Date Prepared: 07/19/2012 Analyst: TTE						
QC- Sample ID: 445802-001 S	Batch #: 1	М	Matrix: Soil				
Reporting Units: mg/kg	MATRIX / MATRIX SPIKE RECOVERY STUE						
Inorganic Anions by EPA 300	Parent Sample Spike Result Added	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag		
Analytes	[A] [B]						
Chloride	120 1070	1250	106	80-120			

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

BRL - Below Reporting Limit



Form 3 - MS / MSD Recoveries

0

Project Name: MA-4

Work Order #: 445802						Project II):				
Lab Batch ID: 892442 Date Analyzed: 07/18/2012	QC- Sample ID: Date Prepared:			C. WARREN	tch #: alyst:	l Matrix KEB	: Soil				
Reporting Units: mg/kg		N	ATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
TPH By SW8015 Mod	Parent Sample	Spike	Spiked Sample Result	Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	Result [A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	
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	Х

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

Page 12 of 15

Final 1.000



Sample Duplicate Recovery



Project Name: MA-4

Work Order #: 445802

Lab Batch #: 892474			Project l	D:	
Date Analyzed: 07/18/2012 09:25	Date Prepared: 07/18/	2012 An	alyst:ASA		
QC- Sample ID: 445802-001 D	Batch #: 1	Ma	atrix: Soil		
Reporting Units: %	SAMP	LE / SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture	Parent Sar Result [A]		RPD	Control Limits %RPD	Flag
Analyte	1.51	[B]			
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

Xer	nco _abor	atories					(<i>CH</i> est I- Texa	20 E	ast	CU	STO						Ph Fa	one ax:	: 43 43	2-56	UES 3-18 3-17	00			
	Project Manager:	Ben J. Arguijo		-				-	_		_	-		_	-	Pr				1									
	Company Name	Basin Environment	al Service Te	chnolo	ogies, LLC			-	-			-			-		P	rojec	:t #:				-		-				
	Company Address:	P.O. Box 301											_		-		Proj	ect l	.oc:	Lea	Coun	ity, M	M			_			
	City/State/Zip:	Lovington, NM 8820	50											_	-			P	0 #:	_		_	_	_					
	Telephone No:	(575)396-2378	0 11			Fax No:	1	575) 396	5-142	9				- F	Repo	rt Fo	rma	t	Xs	stand	ard			TRR	P		NPDES	5
	Sampler Signature:	Bollyt	Bla	ku	nl	e-mail:	t	ojargu	ujo@t	basine	nv.cor	n; Ros	e.Slad	e@S	UG.com	m	-	-	_			Analy	778	-or:	_			-	1
(lab use	only)	2															F	_	_	TCI TOT/	P:		I	x	Π	Τ	TT	72 hrs	
ORDER	R#: 44580	d						4	Pres	ervat	tion &	/ of	Conta	Iners	0	atrix	40	Γ	Π		-		t		11			48.7	L
AB # (lab use only)	FIE	LD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	lice	HCI HCI	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	Other (Specify)		GW - Groundwater S SolVsol NP - Non-Potable Snerity Othe	B015M	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC Metals: As An Ba Cri Cr Ph Hn Sa	Volatiles	Semivolatiles	BTEX 80218 5030 or BTEX 8260	CHLORIDES 300			RUSH TAT (Pre-Schedule)	Standard TAT 4 DAY
01	NORTH WA	and the second se		5'	7-16-12	2:30		1	X								X				T			X	X		П	X	
Special **Run B Relinquis Rulinquis	Blackum (7 74 7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	2120	me 20 me 210	Received by:	Ð	2							2	ate 7 Date	12	Tim Z! Tim	2.0	Sar VO Lab Cus Cus San	Cs Fr els o tody tody	Contr ee of n cor seals seals Hand ample	ainer Hea tain s on s on Deli ar/Cli	s Int adsp er(s) cont cool vere ent F	tact? ace?) taine ler(s)	r(s)		Y Y Y Y edEx	N N N N N Lone S	

CI 10 +



XENCO Laboratories



Comments

Prelogin/Nonconformance Report- Sample Log-In

 Client: Southern Union Gas Services- Monahan
 Acceptable Temperature Range: 0 - 6 degC

 Date/ Time Received: 07/18/2012 08:15:24 AM
 Air and Metal samples Acceptable Range: Ambient

 Work Order #: 445802
 Temperature Measuring device used :

Sample Receipt Checklist	
#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 HNO3,HCL, H2SO4?	Yes
#22 >10 for all samples preserved with NaAsO2+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

sense frequencies and the second s	ANCE SERV P.O. Box 1737 Eunice, New M (575) 394-2511		TICKET No. 21	1757
EASE OPERATOR/SHIP	PER/COMPANY:	IG .		
EASE NAME:	AN 4			
RANSPORTER COMPA	NY: HERRI	JUE TIL	TIME	AM/PM
DATE: 7/17/20	VEHICLE NO:		OR COMPANY MAN'S NAME:	And the second
HARGE TO:	SHE	RIG N/ AND N	AME NUMBER	
nation of the second		TYPE OF MATERIAL		- 16 C - 2
I.] Production Water	[] Drilling Fluids	[] Rinsate	
] Tank Bottoms	[Contaminated Soil	[] Jet Out	
1] Solids	[] BS&W Content:	[] Call Out	
Description:	ch.	and the second		and the
			C 132#	
RRC or API#		$(1, 2, \dots, 2, 2)$ (1) $(1, 2, \dots, 2)$	C-133#	
	ON TO SUNDANCE SERV	ICES, INC'S ACCEPTANCE OF THE I		
AS A CONDITIC TICKET, OPERATO MATERIAL EXEMPT TO TIME, 40 U.S.C. THERETO, BY VIRT ASSOCIATED WITH GEOTHERMAL ENI ALSO AS A CONI TICKET. TRANSPO OPERATOR/SHIPP FACILITY FOR DISF THIS WILL CERT above described Io	ON TO SUNDANCE SERV R/SHIPPER REPRESENTS T FROM THE RESOURCE, C § 6901, et seq., THE NM UE OF THE EXEMPTION / H THE EXPLORATION, DE ERGY. DITION TO SUNDANCE SE ORTER REPRESENTS / ER TO TRANSPORTER IS POSAL. "IFY that the above Transportation, and that it was te	ICES, INC'S ACCEPTANCE OF THE I	: [] MATERIALS SHIPPED WIT TE MATERIAL SHIPPED H T OF 1976, AS AMENDED et seq., AND REGULATIOI DUCED WATERS, AND OT F CRUDE OIL OR NATUR E MATERIALS SHIPPED WI THE MATERIAL DELI TER TO SUNDANCE SERV ed by this Transporter State oper. This will certify that n	H THIS JOB EREWITH IS FROM TIME VS RELATED HER WASTE AL GAS ØR TH THIS JOB VERED BY VICES, INC.'S ement at the
AS A CONDITIC TICKET, OPERATO MATERIAL EXEMPT TO TIME, 40 U.S.C. THERETO, BY VIRT ASSOCIATED WITH GEOTHERMAL ENI ALSO AS A CONI TICKET. TRANSPO OPERATOR/SHIPP FACILITY FOR DISF THIS WILL CERT above described Io	ON TO SUNDANCE SERV R/SHIPPER REPRESENTS T FROM THE RESOURCE, C § 6901, et seq., THE NM I UE OF THE EXEMPTION A H THE EXPLORATION, DE ERGY. DITION TO SUNDANCE SE ORTER REPRESENTS A ER TO TRANSPORTER IS POSAL. TIFY that the above Transportion, and that it was te ded to this load, and that it	ICES, INC'S ACCEPTANCE OF THE I AND WARRANTS THAT THE WAST CONSERVATION AND RECOVERY AC HEALTH AND SAF. CODE § 361.001 AFFORDED DRILLING FLUIDS, PROI EVELOPMENT OR PRODUCTION OI ERVICES, INC'S ACCEPTANCE OF THE AND WARRANTS THAT ONLY NOW DELIVERED BY TRANSPORT porter loaded the material represente endered by the above described ship	: [] MATERIALS SHIPPED WIT TE MATERIAL SHIPPED H T OF 1976, AS AMENDED et seq., AND REGULATIOI DUCED WATERS, AND OT F CRUDE OIL OR NATUR E MATERIALS SHIPPED WI THE MATERIAL DELI TER TO SUNDANCE SERV ed by this Transporter State oper. This will certify that n	H THIS JOB EREWITH IS FROM TIME VS RELATED HER WASTE AL GAS ØR TH THIS JOB VERED BY VICES, INC'S ement at the

P.O. Box 1737 Eunice, (575) 394		
EASE OPERATOR/SHIPPER/COMPANY:	Shire and a second s	
EASE NAME: MAN		
RANSPORTER COMPANY:	TIME AM/PM	
ATE: 1117/7017 VEHICLE NO:	And a second s	
HARGETO:	RIG NAME AND NUMBER	
	TYPE OF MATERIAL	
[] Production Wate		
[] Tank Bottoms	Contaminated Soil [] Jet Out	
[] Solids	[] BS&W Content: [] Call Out	
Description:	10	
RC or API #	C-133#	
OLUME OF MATERIAL [] BBLS.	: YARD_: []	
TICKET, OPERATOR/SHIPPER REPRES MATERIAL EXEMPT FROM THE RESOU TO TIME, 40 U.S.C. § 6901, et seq., THI THERETO, BY VIRTUE OF THE EXEMPT ASSOCIATED WITH THE EXPLORATIO GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDAN TICKET. TRANSPORTER REPRESEN	SERVICES, INC'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB SENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS JRCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME IE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED TION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ON, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR NCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB NTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY	
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TICKET, OPERATOR/SHIPPER REPRES MATERIAL EXEMPT FROM THE RESOU TO TIME, 40 U.S.C. \$ 6901, et seq., THI THERETO, BY VIRTUE OF THE EXEMPT ASSOCIATED WITH THE EXPLORATIO GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDAN TICKET. TRANSPORTER REPRESEN OPERATOR/SHIPPER TO TRANSPORT FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above above described location, and that it to materials were added to this load, and DRIVER:	SENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS URCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME IE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED TION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ON, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR INCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB ATS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY TER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S Transporter loaded the material represented by this Transporter Statement at the was tendered by the above described shipper. This will certify that no additional that the material was delivered without incident.	
TICKET, OPERATOR/SHIPPER REPRES MATERIAL EXEMPT FROM THE RESOU TO TIME, 40 U.S.C. § 6901, et seq., THI THERETO, BY VIRTUE OF THE EXEMPT ASSOCIATED WITH THE EXPLORATIO GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDAN TICKET. TRANSPORTER REPRESEN OPERATOR/SHIPPER TO TRANSPORT FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above above described location, and that it to materials were added to this load, and DRIVER: USGNATURE FACILITY REPRESENTATIVE:	SENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS URCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME IE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED TION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ON, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR INCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB ATS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY TER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S Transporter loaded the material represented by this Transporter Statement at the was tendered by the above described shipper. This will certify that no additional that the material was delivered without incident.	

P.O. Box 1737 Eunice, New J (575) 394-2511	
EASE OPERATOR/SHIPPER/COMPANY:	16
EASE NAME: MIA 4	
RANSPORTER COMPANY:	TIME AM/PA
ATE: 1/17/2012 VEHICLE NO:	GENERATOR COMPANY MAN'S NAME:
HARGE 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:	
	C-133#
RC or API#	C-155#
AS A CONDITION TO SUNDANCE SERV	
AS A CONDITION TO SUNDANCE SERV TICKET, OPERATOR/SHIPPER REPRESENTS MATERIAL EXEMPT FROM THE RESOURCE, TO TIME, 40 U.S.C. § 6901, et seq., THE NM THERETO, BY VIRTUE OF THE EXEMPTION ASSOCIATED WITH THE EXPLORATION, D GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SH TICKET, TRANSPORTER REPRESENTS OPERATOR/SHIPPER TO TRANSPORTER IS FACILITY FOR DISPOSAL.	:)1 YARD: []

P.O. Box 1737 Eunice (575) 39	New Mexico 88231	TICKET N	lo. 2	11849
EASE OPERATOR/SHIPPER/COMPANY:	SING			
EASE NAME: MAR				
TRANSPORTER COMPANY:	MUNICE THE		TIME	AM
DATE: 7/17/2012 VEHICLE NO	GE	NERATOR COMPANY MAN'S NAME:	North State	tranter
HARGE TO:		RIG NAME AND NUMBER		
	TYPE OF MATERIAL			Carlos Carlos
[] Production Wate	er [] Drilling Fluids	[]R	insate	
[] Tank Bottoms	Contaminated Soil	[]]	et Out	
[] Solids	[] BS&W Content:	[] [all Out	
Description:	10			<u></u>
RC or API #		C-13	3#	
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	P.O. Box 1737 Eunice, New (575) 394-251	Mexico 88231	TICKET No. 211875
LEASE OPERATOR/	SHIPPER/COMPANY:	lic	
LEASE NAME:	MAY		
TRANSPORTER CO	MPANY: Prost	Engine	TIME AM/P
DATE:	VEHICLE NO:		TOR COMPANY MAN'S NAME:
CHARGE TO:	546		NAME 8 NUMBER
1999 - B		TYPE OF MATERIAL	
	[] Production Water	[] Drilling Fluids	[] Rinsate
	[] Tank Bottoms	Contaminated Soil	[] Jet Out
	[] Solids	[] BS&W Content:	[] Call Out
Descriptio	on:		
Second and the Second			C 1224
RRC or API #			C-133#
VOLUME OF MATE	DITION TO SUNDANCE SERV		MATERIALS SHIPPED WITH THIS JOB
AS A CON TICKET, OPER MATERIAL EXE TO TIME, 40 U THERETO, BY ASSOCIATED	DITION TO SUNDANCE SERV ATOR/SHIPPER REPRESENTS EMPT FROM THE RESOURCE, I.S.C. § 6901, et seq., THE NM VIRTUE OF THE EXEMPTION WITH THE EXPLORATION, D	VICES, INC.'S ACCEPTANCE OF THE 5 AND WARRANTS THAT THE WAS CONSERVATION AND RECOVERY AC 1 HEALTH AND SAF. CODE § 361.001 AFFORDED DRILLING FLUIDS, PRO	<u>A_: []</u>
AS A CON TICKET, OPER MATERIAL EXE TO TIME, 40 U THERETO, BY ASSOCIATED GEOTHERMAI ALSO AS A C TICKET. TRA	DITION TO SUNDANCE SERV ATOR/SHIPPER REPRESENTS EMPT FROM THE RESOURCE, I.S.C. § 6901, et seq., THE NM VIRTUE OF THE EXEMPTION WITH THE EXPLORATION, D L ENERGY. CONDITION TO SUNDANCE S NSPORTER REPRESENTS HIPPER TO TRANSPORTER IN	VICES, INC.'S ACCEPTANCE OF THE S AND WARRAN'TS THAT THE WAS' CONSERVATION AND RECOVERY AC I HEALTH AND SAF. CODE § 361.001 AFFORDED DRILLING FLUIDS, PRO DEVELOPMENT OR PRODUCTION C SERVICES, INC.'S ACCEPTANCE OF TH AND WARRANTS THAT ONLY	MATERIALS SHIPPED WITH THIS JOB TE MATERIAL SHIPPED HEREWITH IS CT OF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DDUCED WATERS, AND OTHER WASTE
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P.O. Box 1737 Eunice, New (575) 394-251		TICKET No. 21	1850
EASE OPERATOR/SHIPPER/COMPANY:	NG		
EASE NAME:			
RANSPORTER COMPANY:	A Marine -	TIME 1	AM/P
DATE: VEHICLE NO:		OR COMPANY MAN'S NAME:	realed
CHARGE TO:	RIG N AND	AME NUMBER	
	TYPE OF MATERIAL		
[] Production Water	[] Drilling Fluids	[] Rinsate	
[] Tank Bottoms	Contaminated Soil	[] Jet Out	
[] Solids	[] BS&W Content:	[] Call Out	
Description:	11		
RRC or API #	1.1.4	C-133#	
AS A CONDITION TO SUNDANCE SER	VICES, INC'S ACCEPTANCE OF THE S AND WARRANTS THAT THE WAST	MATERIALS SHIPPED WT	Th This Job Herewith Is
AS A CONDITION TO SUNDANCE SER TICKET, OPERATOR/SHIPPER REPRESENT MATERIAL EXEMPT FROM THE RESOURCE TO TIME, 40 U.S.C. § 6901, et seq., THE NM THERETO, BY VIRTUE OF THE EXEMPTION ASSOCIATED WITH THE EXPLORATION, I GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE S TICKET. TRANSPORTER REPRESENTS OPERATOR/SHIPPER TO TRANSPORTER I FACILITY FOR DISPOSAL.	VICES, INC'S ACCEPTANCE OF THE S AND WARRANTS THAT THE WAST , CONSERVATION AND RECOVERY AC A HEALTH AND SAF. CODE § 361.001 N AFFORDED DRILLING FLUIDS, PRO DEVELOPMENT OR PRODUCTION O SERVICES, INC'S ACCEPTANCE OF TH AND WARRANTS THAT ONLY IS NOW DELIVERED BY TRANSPOR	ATERIALS SHIPPED WT TE MATERIAL SHIPPED H T OF 1976, AS AMENDED et seq., AND REGULATIO DUCED WATERS, AND O F CRUDE OIL OR NATUR E MATERIALS SHIPPED W THE MATERIAL DEL TER TO SUNDANCE SER	TH THIS JOB HEREWITH IS D FROM TIME INS RELATED THER WASTE RAL GAS OR ITH THIS JOB IVERED BY VICES, INC.'S
AS A CONDITION TO SUNDANCE SER TICKET, OPERATOR/SHIPPER REPRESENT MATERIAL EXEMPT FROM THE RESOURCE TO TIME, 40 U.S.C. § 6901, et seq., THE NM THERETO, BY VIRTUE OF THE EXEMPTION ASSOCIATED WITH THE EXPLORATION, I GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE S TICKET. TRANSPORTER REPRESENTS OPERATOR/SHIPPER TO TRANSPORTER I	VICES, INC'S ACCEPTANCE OF THE S AND WARRANTS THAT THE WAST , CONSERVATION AND RECOVERY AC A HEALTH AND SAF. CODE § 361.001 N AFFORDED DRILLING FLUIDS, PRO DEVELOPMENT OR PRODUCTION O SERVICES, INC'S ACCEPTANCE OF TH AND WARRANTS THAT ONLY IS NOW DELIVERED BY TRANSPOR sporter loaded the material represent tendered by the above described ship	ATERIALS SHIPPED WT TE MATERIAL SHIPPED H T OF 1976, AS AMENDED et seq., AND REGULATIO DUCED WATERS, AND O F CRUDE OIL OR NATUR E MATERIALS SHIPPED W THE MATERIAL DEL TER TO SUNDANCE SER ed by this Transporter Stat per. This will certify that i	TH THIS JOB HEREWITH IS D FROM TIME INS RELATED THER WASTE RAL GAS OR ITH THIS JOB IVERED BY VICES, INC'S tement at the
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	2E SERVIC 737 Eunice, New Mexico (575) 394-2511		TICKET No. 211822
EASE OPERATOR/SHIPPER/CO	MPANY: SU	G	
	U.		
TRANSPORTER COMPANY:	Tusin 1	Empler	TIME 2 AM
DATE: 1/17/2012 VE	HICLE NO:	GENERA	MAN'S NAME
CHARGE TO:	(16		NAME) NUMBER
	TY	PE OF MATERIAL	
[] Produ	ction Water	[] Drilling Fluids	[] Rinsate
[] Tank B		Contaminated Soil	[] Jet Out
[] Solids		[] BS&W Content:	[] Call Out
Description:	010	All and the second second	
RRC or API#			C-133#
AS A CONDITION TO SI TICKET, OPERATOR/SHIPPI	ER REPRESENTS AND	WARRANTS THAT THE WAS	MATERIALS SHIPPED WITH THIS JOB TE MATERIAL SHIPPED HEREWITH IS
AS A CONDITION TO SU TICKET, OPERATOR/SHIPPI MATERIAL EXEMPT FROM T TO TIME, 40 U.S.C. § 6901, THERETO, BY VIRTUE OF TH ASSOCIATED WITH THE ED GEOTHERMAL ENERGY. ALSO AS A CONDITION TO TICKET. TRANSPORTER	UNDANCE SERVICES, ER REPRESENTS AND THE RESOURCE, CONS et seq., THE NM HEAL HE EXEMPTION AFFO KPLORATION, DEVELO O SUNDANCE SERVIC REPRESENTS AND	INC'S ACCEPTANCE OF THE WARRANTS THAT THE WAS SERVATION AND RECOVERY A TH AND SAF. CODE § 361.00 ORDED DRILLING FLUIDS, PRO OPMENT OR PRODUCTION (TES, INC'S ACCEPTANCE OF THE WARRANTS THAT ONLY	MATERIALS SHIPPED WITH THIS JOB
AS A CONDITION TO SU TICKET, OPERATOR/SHIPPI MATERIAL EXEMPT FROM T TO TIME, 40 U.S.C. § 6901, THERETO, BY VIRTUE OF TH ASSOCIATED WITH THE ED GEOTHERMAL ENERGY. ALSO AS A CONDITION TO TICKET. TRANSPORTER OPERATOR/SHIPPER TO TH FACILITY FOR DISPOSAL. THIS WILL CERTIFY that above described location, o	UNDANCE SERVICES, ER REPRESENTS AND THE RESOURCE, CONS et seq., THE NM HEAL HE EXEMPTION AFFO KPLORATION, DEVELO O SUNDANCE SERVIC REPRESENTS AND RANSPORTER IS NOV the above Transported and that it was tenden	INC'S ACCEPTANCE OF THE WARRANTS THAT THE WAS SERVATION AND RECOVERY A TH AND SAF. CODE § 361.00 ORDED DRILLING FLUIDS, PRO OPMENT OR PRODUCTION O TES, INC'S ACCEPTANCE OF THE WARRANTS THAT ONLY W DELIVERED BY TRANSPOR	MATERIALS SHIPPED WITH THIS JOB TE MATERIAL SHIPPED HEREWITH IS CT OF 1976, AS AMENDED FROM TIME 1 et seq., AND REGULATIONS RELATED DDUCED WATERS, AND OTHER WASTE OF CRUDE OIL OR NATURAL GAS OR HE MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY RTER TO SUNDANCE SERVICES, INC.'S ted by this Transporter Statement at the pper. This will certify that no additional
AS A CONDITION TO SI TICKET, OPERATOR/SHIPPI MATERIAL EXEMPT FROM T TO TIME, 40 U.S.C. § 6901, THERETO, BY VIRTUE OF TI ASSOCIATED WITH THE ED GEOTHERMAL ENERGY. ALSO AS A CONDITION TO TICKET. TRANSPORTER OPERATOR/SHIPPER TO TO FACILITY FOR DISPOSAL. THIS WILL CERTIFY that above described location, o materials were added to the	UNDANCE SERVICES, ER REPRESENTS AND THE RESOURCE, CONS et seq., THE NM HEAL HE EXEMPTION AFFO KPLORATION, DEVELO O SUNDANCE SERVIC REPRESENTS AND RANSPORTER IS NOW the above Transporter and that it was tendent is load, and that the m	INC'S ACCEPTANCE OF THE WARRANTS THAT THE WAS SERVATION AND RECOVERY A TH AND SAF. CODE § 361.00 ORDED DRILLING FLUIDS, PRO OPMENT OR PRODUCTION O TES, INC'S ACCEPTANCE OF TH WARRANTS THAT ONLY W DELIVERED BY TRANSPOR In loaded the material represent ed by the above described shi	MATERIALS SHIPPED WITH THIS JOB TE MATERIAL SHIPPED HEREWITH IS CT OF 1976, AS AMENDED FROM TIME 1 et seq., AND REGULATIONS RELATED DDUCED WATERS, AND OTHER WASTE OF CRUDE OIL OR NATURAL GAS OR HE MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY RTER TO SUNDANCE SERVICES, INC.'S ted by this Transporter Statement at the pper. This will certify that no additional

₩F	P.O. Box 1737 Eunice, New M (575) 394-2511		TICKET No. 211790
LEASE OPERATOR/SH	IPPER/COMPANY:	116	
EASE NAME:	MAH		
RANSPORTER COM	PANY:	A CHARLE	TIME AM/PM
DATE: 1111/2/	VEHICLE NO:		R COMPANY AN'S NAME:
CHARGE TO:	THE	RIG NAI AND NU	
		TYPE OF MATERIAL	
	[] Production Water	[] Drilling Fluids	[] Rinsate
	[] Tank Bottoms	[) Contaminated Soil	[] Jet Out
	[] Solids	[] BS&W Content:	[] Call Out
Description	C.)	D MARTIN	and the second sec
THE PLAN AND AND AND AND AND AND AND AND AND A			
RRC or API #	AL []BBLS.	: / 1 YARD	C-133#
RRC or API # VOLUME OF MATERI AS A CONDI TICKET, OPERAT MATERIAL EXEN TO TIME, 40 U.S. THERETO, BY VII ASSOCIATED W GEOTHERMAL E ALSO AS A CO TICKET. TRANS OPERATOR/SHII FACILITY FOR D THIS WILL CEI above described	TION TO SUNDANCE SERVI TOR/SHIPPER REPRESENTS APT FROM THE RESOURCE, C. S 6901, et seq., THE NM H RTUE OF THE EXEMPTION A ITH THE EXPLORATION, DE ENERGY. NDITION TO SUNDANCE SE SPORTER REPRESENTS A PPER TO TRANSPORTER IS ISPOSAL. RTIFY that the above Transp I location, and that it was tel	I YARD I YARD ICES, INC.'S ACCEPTANCE OF THE M AND WARRANTS THAT THE WASTE CONSERVATION AND RECOVERY ACT HEALTH AND SAF. CODE § 361.001 e AFFORDED DRILLING FLUIDS, PROD EVELOPMENT OR PRODUCTION OF RVICES, INC.'S ACCEPTANCE OF THE AND WARRANTS THAT ONLY NOW DELIVERED BY TRANSPORTE porter loaded the material represented indered by the above described shipp the material was delivered without in	E I I E I I E I I I I I I I
RRC or API # VOLUME OF MATERI AS A CONDI TICKET, OPERAT MATERIAL EXEN TO TIME, 40 U.S. THERETO, BY VII ASSOCIATED W GEOTHERMAL E ALSO AS A CO TICKET. TRANS OPERATOR/SHII FACILITY FOR D THIS WILL CEI above described materials were d	TION TO SUNDANCE SERVI TOR/SHIPPER REPRESENTS APT FROM THE RESOURCE, C. C. § 6901, et seq., THE NM H RTUE OF THE EXEMPTION A ITH THE EXPLORATION, DE ENERGY. NDITION TO SUNDANCE SE SPORTER REPRESENTS A PPER TO TRANSPORTER IS ISPOSAL. RTIFY that the above Transpe location, and that it was ten added to this load, and that the	ICES, INC'S ACCEPTANCE OF THE M AND WARRANTS THAT THE WASTE CONSERVATION AND RECOVERY ACT HEALTH AND SAF. CODE § 361.001 e AFFORDED DRILLING FLUIDS, PROD EVELOPMENT OR PRODUCTION OF RVICES, INC'S ACCEPTANCE OF THE AND WARRANTS THAT ONLY NOW DELIVERED BY TRANSPORTE porter loaded the material represented indered by the above described shipp	E I I E I I E I I I I I I I
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P.O. Box 1737 E	SERVICES, Inc. Eunice, New Mexico 88231 (75) 394-2511	TICKET No. 211756
EASE OPERATOR/SHIPPER/COMPA	NY: SULL	
LEASE NAME: MA	4	
TRANSPORTER COMPANY:	asin Enviro.	TIME 7:24 AM/P
DATE: 1/10/2012 VEHICL	ENO: C GEN	MAN'S NAME
CHARGE TO: SUG		IG NAME ND NUMBER
	TYPE OF MATERIAL	
[] Productior		[] Rinsate
[] Tank Botto		[] Jet Out
[] Solids	[] BS&W Content:	[] Call Out
	616	
Description:	1.11.	
and the second		
RRC or API # VOLUME OF MATERIAL [] BBLS	5: 1 YARD	C-133#
VOLUME OF MATERIAL [] BBLS AS A CONDITION TO SUND TICKET, OPERATOR/SHIPPER R MATERIAL EXEMPT FROM THE F TO TIME, 40 U.S.C. § 6901, et se THERETO, BY VIRTUE OF THE E	S: <u>1 YARD</u> DANCE SERVICES, INC'S ACCEPTANCE OF T REPRESENTS AND WARRANTS THAT THE W RESOURCE, CONSERVATION AND RECOVERY eq., THE NM HEALTH AND SAF. CODE § 361.0 XEMPTION AFFORDED DRILLING FLUIDS, F DRATION, DEVELOPMENT OR PRODUCTION	HE MATERIALS SHIPPED WITH THIS JOB ASTE MATERIAL SHIPPED HEREWITH IS ACT OF 1976, AS AMENDED FROM TIME 001 et seq., AND REGULATIONS RELATED RODUCED WATERS, AND OTHER WASTE
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III -	P.O. Box 1737 Eunice, New M (575) 394-2511		TICKET No. 210408
EASE OPERATOR/S	SHIPPER/COMPANY:	06	
EASE NAME:	MA 4	And the second second	
TRANSPORTER COM	MPANY: Basa	Y ENDERO	TIME 2:57 AM/PM
DATE: 7/5/20	VEHICLE NO:		R COMPANY
CHARGE TO:	2116	RIG NA AND N	IME UMBER
		TYPE OF MATERIAL	and services
	[] Production Water	[] Drilling Fluids	[] Rinsate
	[] Tank Bottoms	Contaminated Soil	[] Jet Out
	[] Solids	[] BS&W Content:	[] Call Out
Descriptio	m. C11		
RRC or API #			C-133#
INC OF AFT #			C-135#
TICKET, OPER, MATERIAL EXE TO TIME, 40 U. THERETO, BY 1	ATOR/SHIPPER REPRESENTS EMPT FROM THE RESOURCE, C .S.C. § 6901, et seq., THE NM I VIRTUE OF THE EXEMPTION / WITH THE EXPLORATION, DE	AND WARRANTS THAT THE WASTE CONSERVATION AND RECOVERY ACT HEALTH AND SAF. CODE § 361.001 ¢ AFFORDED DRILLING FLUIDS, PROD	MATERIALS SHIPPED WITH THIS JOB MATERIAL SHIPPED HEREWITH IS TOF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE CRUDE OIL OR NATURAL GAS OR
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TICKET, OPER. MATERIAL EXE TO TIME, 40 U. THERETO, BY V ASSOCIATED GEOTHERMAL ALSO AS A C TICKET. TRAI OPERATOR/SF FACILITY FOR THIS WILL CO above describe materials were	ATOR/SHIPPER REPRESENTS EMPT FROM THE RESOURCE, C S.C. § 6901, et seq., THE NM I VIRTUE OF THE EXEMPTION / WITH THE EXPLORATION, DE LENERGY. CONDITION TO SUNDANCE SE NSPORTER REPRESENTS / HIPPER TO TRANSPORTER IS DISPOSAL. ERTIFY that the above Transp ed location, and that it was te e added to this load, and that t	AND WARRANTS THAT THE WASTE CONSERVATION AND RECOVERY ACT HEALTH AND SAF. CODE § 361.001 e AFFORDED DRILLING FLUIDS, PROD EVELOPMENT OR PRODUCTION OF RVICES, INC'S ACCEPTANCE OF THE AND WARRANTS THAT ONLY NOW DELIVERED BY TRANSPORTI	MATERIAL SHIPPED HEREWITH IS TOF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE CRUDE OIL OR NATURAL GAS OR MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY ER TO SUNDANCE SERVICES, INC.'S d by this Transporter Statement at the ther. This will certify that no additional
TICKET, OPER. MATERIAL EXE TO TIME, 40 U. THERETO, BY U ASSOCIATED V GEOTHERMAL ALSO AS A C TICKET. TRAN OPERATOR/SH FACILITY FOR THIS WILL C above describe materials were	ATOR/SHIPPER REPRESENTS EMPT FROM THE RESOURCE, C .S.C. § 6901, et seq., THE NM I VIRTUE OF THE EXEMPTION / WITH THE EXPLORATION, DE L ENERGY. CONDITION TO SUNDANCE SE NSPORTER REPRESENTS / HIPPER TO TRANSPORTER IS DISPOSAL. ERTIFY that the above Transp ed location, and that it was te e added to this load, and that t	AND WARRANTS THAT THE WASTE CONSERVATION AND RECOVERY ACT HEALTH AND SAF. CODE § 361.001 e AFFORDED DRILLING FLUIDS, PROD EVELOPMENT OR PRODUCTION OF RVICES, INC'S ACCEPTANCE OF THE AND WARRANTS THAT ONLY NOW DELIVERED BY TRANSPORTI	MATERIAL SHIPPED HEREWITH IS TOF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE CRUDE OIL OR NATURAL GAS OR MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY ER TO SUNDANCE SERVICES, INC.'S d by this Transporter Statement at the ther. This will certify that no additional
TICKET, OPER. MATERIAL EXE TO TIME, 40 U. THERETO, BY U ASSOCIATED V GEOTHERMAL ALSO AS A C TICKET. TRAN OPERATOR/SH FACILITY FOR THIS WILL C above describe materials were	ATOR/SHIPPER REPRESENTS EMPT FROM THE RESOURCE, C S.C. § 6901, et seq., THE NM I VIRTUE OF THE EXEMPTION / WITH THE EXPLORATION, DE LENERGY. CONDITION TO SUNDANCE SE NSPORTER REPRESENTS / HIPPER TO TRANSPORTER IS DISPOSAL. ERTIFY that the above Transp ed location, and that it was te e added to this load, and that t	AND WARRANTS THAT THE WASTE CONSERVATION AND RECOVERY ACT HEALTH AND SAF. CODE § 361.001 e AFFORDED DRILLING FLUIDS, PROD EVELOPMENT OR PRODUCTION OF RVICES, INC'S ACCEPTANCE OF THE AND WARRANTS THAT ONLY NOW DELIVERED BY TRANSPORTI	MATERIAL SHIPPED HEREWITH IS TOF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE CRUDE OIL OR NATURAL GAS OR MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY ER TO SUNDANCE SERVICES, INC.'S d by this Transporter Statement at the ther. This will certify that no additional

	P.O. Box 1737 Eunice, New (575) 394-251	Mexico 88231	TICKET No. 210386
LEASE OPERATOR/SH	IPPER/COMPANY:	116	
LEASE NAME:	MA 4		A Stranger of the
TRANSPORTER COM	PANY: Parti	Emile .	TIME AM/PN
DATE: AJE/201	VEHICLE NO:		OR COMPANY And And And
CHARGE TO:	SHC	RIG N. AND I	AME
	- uer		
		TYPE OF MATERIAL	
	[] Production Water	[] Drilling Fluids	[] Rinsate
	[] Tank Bottoms	Contaminated Soil	[] Jet Out
	[] Solids	[] BS&W Content:	[] Call Out
Description	: ola	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
RRC or API #			C-133#
		· · · · · · · · · · · · · · · · · · ·	0
RRC or API # VOLUME OF MATERI AS A CONDI			C-133#
AS A CONDI TICKET, OPERAT MATERIAL EXEM TO TIME, 40 U.S. THERETO, BY VI ASSOCIATED W GEOTHERMAL E ALSO AS A CO TICKET. TRANS	TION TO SUNDANCE SERV TOR/SHIPPER REPRESENTS APT FROM THE RESOURCE, I C. § 6901, et seq., THE NM RTUE OF THE EXEMPTION ITH THE EXPLORATION, D ENERGY. ONDITION TO SUNDANCE SE SPORTER REPRESENTS PPER TO TRANSPORTER IS	AND WARRANTS THAT THE WAST CONSERVATION AND RECOVERY ACC HEALTH AND SAF. CODE § 361.001 AFFORDED DRILLING FLUIDS, PROL EVELOPMENT OR PRODUCTION OF ERVICES, INC.'S ACCEPTANCE OF THE AND WARRANTS THAT ONLY	2_: []
VOLUME OF MATERI AS A CONDI TICKET, OPERAT MATERIAL EXEM TO TIME, 40 U.S. THERETO, BY VI ASSOCIATED W GEOTHERMAL E ALSO AS A CO TICKET. TRANS OPERATOR/SHII FACILITY FOR D THIS WILL CEI above described	TION TO SUNDANCE SERV TOR/SHIPPER REPRESENTS APT FROM THE RESOURCE, I .C. § 6901, et seq., THE NM RTUE OF THE EXEMPTION ITH THE EXPLORATION, D ENERGY. NODITION TO SUNDANCE SE SPORTER REPRESENTS PPER TO TRANSPORTER IS ISPOSAL. RTIFY that the above Transp I location, and that it was to added to this load, and that	AND WARRANTS THAT THE WAST CONSERVATION AND RECOVERY ACC HEALTH AND SAF. CODE § 361.001 AFFORDED DRILLING FLUIDS, PROD EVELOPMENT OR PRODUCTION OF ERVICES, INC.'S ACCEPTANCE OF THE AND WARRANTS THAT ONLY 5 NOW DELIVERED BY TRANSPORT porter loaded the material represente	ATERIALS SHIPPED WITH THIS JOB E MATERIAL SHIPPED HEREWITH IS T OF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE F CRUDE OIL OR NATURAL GAS OR MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY ER TO SUNDANCE SERVICES, INC.'S Material Stransporter Statement at the per. This will certify that no additional

P.O. Box 1737 Eunice, New M (575) 394-2511	TICUCT NA COM A COM A
EASE OPERATOR/SHIPPER/COMPANY:	l Ka
EASE NAME: MA 4	
TRANSPORTER COMPANY:	TIME 247 AM/P
DATE: 1/5/2012 VEHICLE NO: 9	GENERATOR COMPANY MAN'S NAME: Carter Stanta
CHARGETO: SUG	RIG NAME AND NUMBER
	TYPE OF MATERIAL
[] Production Water	[] Drilling Fluids [] Rinsate
[] Tank Bottoms	Gontaminated Soil [] Jet Out
[] Solids	[] BS&W Content: [] Call Out
Description: 010	
RRC or API #	C-133#
VOLUME OF MATERIAL [] BBLS.	: . YARD / 2 : []
MATERIAL EXEMPT FROM THE RESOURCE, CO TO TIME, 40 U.S.C. § 6901, et seq., THE NM H	AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS ONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME IEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED FFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE
ASSOCIATED WITH THE EXPLORATION, DE GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SEF TICKET. TRANSPORTER REPRESENTS A	VELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR RVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB IND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S

P.O. Box 1737 Eunice, New N (575) 394-2511	Mexico 88231	TICKET No. 210383
LEASE OPERATOR/SHIPPER/COMPANY:	SUCI	
LEASE NAME:		
TRANSPORTER COMPANY:	Envire.	TIME 1:22 AM/PN
DATE: VEHICLE NO:		OR COMPANY MAN'S NAME:
CHARGE TO:	RIG N AND	IAME J
	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.	: LI YARD	S : U
AS A CONDITION TO SUNDANCE SERVI TICKET, OPERATOR/SHIPPER REPRESENTS MATERIAL EXEMPT FROM THE RESOURCE, C TO TIME, 40 U.S.C. § 6901, et seq., THE NM I THERETO, BY VIRTUE OF THE EXEMPTION A ASSOCIATED WITH THE EXPLORATION, DE GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SE TICKET, TRANSPORTER REPRESENTS A	AND WARRANTS THAT THE WAST CONSERVATION AND RECOVERY AC HEALTH AND SAF. CODE § 361.001 AFFORDED DRILLING FLUIDS, PROI EVELOPMENT OR PRODUCTION OF RVICES, INC.'S ACCEPTANCE OF THE	E MATERIAL SHIPPED HEREWITH IS T OF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE F CRUDE OIL OR NATURAL GAS OR
OPERATOR/SHIPPER TO TRANSPORTER IS FACILITY FOR DISPOSAL.		
THIS WILL CERTIFY that the above Transp above described location, and that it was tel materials were added to this load, and that t	ndered by the above described ship	per. This will certify that no additional
DRIVER:	and k	
	ie konero	

P.O. Box 1737 Eunice, New M (575) 394-2511		TICKET No. 210372
EASE OPERATOR/SHIPPER/COMPANY:	CAG	
LEASE NAME: MAR +4	When the Managers	
TRANSPORTER COMPANY:	Equito	TIME 2 4 AM/PM
DATE: 7. 5. 7. 12 VEHICLE NO:		TOR COMPANY MAN'S NAMEL LIFE TO TO TO TO TO
CHARGE TO: Salla		NAME) 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	<u>_: []</u>
AS A CONDITION TO SUNDANCE SERVI TICKET, OPERATOR/SHIPPER REPRESENTS MATERIAL EXEMPT FROM THE RESOURCE, C TO TIME, 40 U.S.C. § 6901, et seq., THE NM F THERETO, BY VIRTUE OF THE EXEMPTION A ASSOCIATED WITH THE EXPLORATION, DE GEOTHERMAL ENERGY.	AND WARRANTS THAT THE WAS ONSERVATION AND RECOVERY AG HEALTH AND SAF. CODE § 361.001 IFFORDED DRILLING FLUIDS, PRO	TE MATERIAL SHIPPED HEREWITH IS CT OF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE
ALSO AS A CONDITION TO SUNDANCE SET TICKET. TRANSPORTER REPRESENTS A OPERATOR/SHIPPER TO TRANSPORTER IS FACILITY FOR DISPOSAL.	ND WARRANTS THAT ONLY	THE MATERIAL DELIVERED BY
THIS WILL CERTIFY that the above Transpo above described location, and that it was ter materials were added to this load, and that th	ndered by the above described ship	oper. This will certify that no additional
DRIVER:	She K	
	L. Kong	

White - Sundance Canary - Sundance Acct #1

Pink - Transporter

P.O. Box 1737 Eunice, New M (575) 394-2511	lexico 88231	TICKET No. 210357
LEASE OPERATOR/SHIPPER/COMPANY:	116	
LEASE NAME: MAR 4 3	Boon	
TRANSPORTER COMPANY:	Empre.	TIME COST AM/PA
DATE: 7.5.7/12 VEHICLE NO: 9		MAN'S NAME CLATIC Strink
CHARGE TO: SUG	RIG NJ AND N	AME NUMBER
	TYPE OF MATERIAL	
[] Production Water	[] Drilling Fluids	[] Rinsate
[] Tank Bottoms	Contaminated Soil	[] Jet Out
[] Solids	[] BS&W Content:	[] Call Out
Description:		
12		C-133#
RRC or API #		C-135#
RRC or API # VOLUME OF MATERIAL [] BBLS AS A CONDITION TO SUNDANCE SERVIC TICKET, OPERATOR/SHIPPER REPRESENTS /		
VOLUME OF MATERIAL [] BBLS. AS A CONDITION TO SUNDANCE SERVIC TICKET, OPERATOR/SHIPPER REPRESENTS / MATERIAL EXEMPT FROM THE RESOURCE, CO TO TIME, 40 U.S.C. § 6901, et seq., THE NM H THERETO, BY VIRTUE OF THE EXEMPTION A ASSOCIATED WITH THE EXPLORATION, DEV GEOTHERMAL ENERGY.	CES, INC'S ACCEPTANCE OF THE M AND WARRANTS THAT THE WAST ONSERVATION AND RECOVERY AC IEALTH AND SAF. CODE § 361.001 (IFFORDED DRILLING FLUIDS, PROE VELOPMENT OR PRODUCTION OF	ATERIALS SHIPPED WITH THIS JOB E MATERIAL SHIPPED HEREWITH IS T OF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE CRUDE OIL OR NATURAL GAS OR
VOLUME OF MATERIAL [] BBLS. AS A CONDITION TO SUNDANCE SERVIC TICKET, OPERATOR/SHIPPER REPRESENTS / MATERIAL EXEMPT FROM THE RESOURCE, CO TO TIME, 40 U.S.C. § 6901, et seq., THE NM H THERETO, BY VIRTUE OF THE EXEMPTION A ASSOCIATED WITH THE EXPLORATION, DEV	CES, INC'S ACCEPTANCE OF THE M AND WARRANTS THAT THE WAST ONSERVATION AND RECOVERY AC HEALTH AND SAF. CODE § 361.001 FFORDED DRILLING FLUIDS, PROL VELOPMENT OR PRODUCTION OF RVICES, INC'S ACCEPTANCE OF THE IND WARRANTS THAT ONLY	ATERIALS SHIPPED WITH THIS JOB E MATERIAL SHIPPED HEREWITH IS T OF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE CRUDE OIL OR NATURAL GAS OR MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY
VOLUME OF MATERIAL [] BBLS. AS A CONDITION TO SUNDANCE SERVIC TICKET, OPERATOR/SHIPPER REPRESENTS / MATERIAL EXEMPT FROM THE RESOURCE, CO TO TIME, 40 U.S.C. § 6901, et seq., THE NM H THERETO, BY VIRTUE OF THE EXEMPTION A ASSOCIATED WITH THE EXPLORATION, DEV GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SEF TICKET. TRANSPORTER REPRESENTS A OPERATOR/SHIPPER TO TRANSPORTER IS 1	CES, INC'S ACCEPTANCE OF THE M AND WARRANTS THAT THE WAST ONSERVATION AND RECOVERY AC HEALTH AND SAF. CODE § 361.001 (FFORDED DRILLING FLUIDS, PROD VELOPMENT OR PRODUCTION OF RVICES, INC'S ACCEPTANCE OF THE AND WARRANTS THAT ONLY NOW DELIVERED BY TRANSPORT OFTER loaded the material represented addreed by the above described shipp	ATERIALS SHIPPED WITH THIS JOB E MATERIAL SHIPPED HEREWITH IS T OF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE CRUDE OIL OR NATURAL GAS OR MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY ER TO SUNDANCE SERVICES, INC.'S
VOLUME OF MATERIAL [] BBLS AS A CONDITION TO SUNDANCE SERVIC TICKET, OPERATOR/SHIPPER REPRESENTS / MATERIAL EXEMPT FROM THE RESOURCE, CO TO TIME, 40 U.S.C. § 6901, et seq., THE NM H THERETO, BY VIRTUE OF THE EXEMPTION A ASSOCIATED WITH THE EXPLORATION, DEV GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SEF TICKET. TRANSPORTER REPRESENTS A OPERATOR/SHIPPER TO TRANSPORTER IS IN FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Transpor above described location, and that it was ten	CES, INC'S ACCEPTANCE OF THE M AND WARRANTS THAT THE WAST ONSERVATION AND RECOVERY AC HEALTH AND SAF. CODE § 361.001 (FFORDED DRILLING FLUIDS, PROD VELOPMENT OR PRODUCTION OF RVICES, INC'S ACCEPTANCE OF THE AND WARRANTS THAT ONLY NOW DELIVERED BY TRANSPORT OFTER loaded the material represented addreed by the above described shipp	Control Contro Control Control Control Control Control Control Control Control Co

P.O. Box 1737 Eunice, New Me: (575) 394-2511	CES, Inc. xico 88231	TICKET No. 210371
LEASE OPERATOR/SHIPPER/COMPANY:	2	
LEASE NAME: MAY	- Dimension	
TRANSPORTER COMPANY:	nome.	TIME C AM/PN
DATE: 7 5.2010 VEHICLE NO: 14		AN'S NAME
CHARGE TO:	RIG N AND 1	UME IUMBER
	YPE 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.	: 1 YARD	2 : 11
TICKET, OPERATOR/SHIPPER REPRESENTS AI MATERIAL EXEMPT FROM THE RESOURCE, CO	NSERVATION AND RECOVERY AC ALTH AND SAF. CODE § 361.001	F OF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED
TO TIME, 40 U.S.C. § 6901, et seq., THE NM HE THERETO, BY VIRTUE OF THE EXEMPTION AF ASSOCIATED WITH THE EXPLORATION, DEVI GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SERV TICKET. TRANSPORTER REPRESENTS AN OPERATOR/SHIPPER TO TRANSPORTER IS N FACILITY FOR DISPOSAL.	ELOPMENT OR PRODUCTION OF /ICES, INC.'S ACCEPTANCE OF THE ID WARRANTS THAT ONLY	CRUDE OIL OR NATURAL GAS OR MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY

	P.O. Box 1737 Eunice, New M (575) 394-2511	Aexico 88231	TICKET No. 210358
LEASE OPERATOR/SHI	PPER/COMPANY:	116	
LEASE NAME:	IN 4 I	TIPE	
TRANSPORTER COMP	ANY: Posto	Factor	TIME AM/PA
DATE: 17 5.70	VEHICLE NO:		AN'S NAME
CHARGE TO:	SUG	RIG NA AND N	IME IUMBER
1.10		TYPE OF MATERIAL	
ſ] Production Water	[] Drilling Fluids	[] Rinsate
] Tank Bottoms	Contaminated Soil	[] Jet Out
[] Solids	[] BS&W Content:	[] Call Out
Description:	-10		
			the second s
RRC or API #			C-133#
RRC or API # VOLUME OF MATERIA AS A CONDIT	ION TO SUNDANCE SERVI		
AS A CONDIT TICKET, OPERATO MATERIAL EXEMP TO TIME, 40 U.S.C THERETO, BY VIR ASSOCIATED WIT GEOTHERMAL EN ALSO AS A CON	ION TO SUNDANCE SERVI DR/SHIPPER REPRESENTS PT FROM THE RESOURCE, C § 6901, et seq., THE NM H TUE OF THE EXEMPTION A TH THE EXPLORATION, DE IERGY.	ICES, INC.'S ACCEPTANCE OF THE N AND WARRANTS THAT THE WASTE CONSERVATION AND RECOVERY ACT HEALTH AND SAF. CODE § 361.001 e AFFORDED DRILLING FLUIDS, PROD EVELOPMENT OR PRODUCTION OF	ATERIALS SHIPPED WITH THIS JOB MATERIALS SHIPPED HEREWITH IS TOF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE CRUDE OIL OR NATURAL GAS OR MATERIALS SHIPPED WITH THIS JOB
AS A CONDIT TICKET, OPERATO MATERIAL EXEMP TO TIME, 40 U.S.C THERETO, BY VIR ASSOCIATED WIT GEOTHERMAL EN ALSO AS A CON TICKET. TRANSP OPERATOR/SHIPP FACILITY FOR DIS	ION TO SUNDANCE SERVI DR/SHIPPER REPRESENTS PT FROM THE RESOURCE, C § 6901, et seq., THE NM H TUE OF THE EXEMPTION A TH THE EXPLORATION, DE IERGY. IDITION TO SUNDANCE SE PORTER REPRESENTS A PER TO TRANSPORTER IS SPOSAL.	ICES, INC.'S ACCEPTANCE OF THE M AND WARRANTS THAT THE WASTE CONSERVATION AND RECOVERY ACT HEALTH AND SAF. CODE § 361.001 e AFFORDED DRILLING FLUIDS, PROD EVELOPMENT OR PRODUCTION OF RVICES, INC.'S ACCEPTANCE OF THE AND WARRANTS THAT ONLY NOW DELIVERED BY TRANSPORTE	ATERIALS SHIPPED WITH THIS JOB MATERIAL SHIPPED HEREWITH IS TOF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE CRUDE OIL OR NATURAL GAS OR
RRC or API # VOLUME OF MATERIA AS A CONDIT TICKET, OPERATO MATERIAL EXEMP TO TIME, 40 U.S.C THERETO, BY VIR ASSOCIATED WIT GEOTHERMAL EN ALSO AS A CON TICKET. TRANSP OPERATOR/SHIPF FACILITY FOR DIS THIS WILL CER above described I	ION TO SUNDANCE SERVI DR/SHIPPER REPRESENTS PT FROM THE RESOURCE, C 5 6901, et seq., THE NM H TUE OF THE EXEMPTION A TH THE EXPLORATION, DE IERGY. IDITION TO SUNDANCE SE PORTER REPRESENTS A PER TO TRANSPORTER IS SPOSAL. TIFY that the above Transp focation, and that it was ten ided to this load, and that the	ICES, INC.'S ACCEPTANCE OF THE M AND WARRANTS THAT THE WASTE CONSERVATION AND RECOVERY ACT HEALTH AND SAF. CODE § 361.001 e AFFORDED DRILLING FLUIDS, PROD EVELOPMENT OR PRODUCTION OF RVICES, INC.'S ACCEPTANCE OF THE AND WARRANTS THAT ONLY NOW DELIVERED BY TRANSPORTE porter loaded the material represented	AATERIALS SHIPPED WITH THIS JOB MATERIALS SHIPPED HEREWITH IS TOF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE CRUDE OIL OR NATURAL GAS OR MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY ER TO SUNDANCE SERVICES, INC.'S Ad by this Transporter Statement at the per. This will certify that no additional

P.O. Box 1737 Eunice, Nev (575) 394-25		TICKET No. 210521
LEASE OPERATOR/SHIPPER/COMPANY:	NHG .	
LEASE NAME: MAN		
TRANSPORTER COMPANY:	Encara .	TIME 2.01 AM/P
DATE: 2014 / 2012 VEHICLE NO: 0		R COMPANY IAN'S NAME:
CHARGE TO:	RIG NA AND N	
	TYPE OF MATERIAL	
[] Production Water	[] Drilling Fluids	[] Rinsate
[] Tank Bottoms	[] Contaminated Soil	[] Jet Out
[] Solids	[] BS&W Content:	[] Call Out
Description:		
		6 4 3 3 4
RRC or API #		C-133#
AS A CONDITION TO SUNDANCE SER	VICES, INC'S ACCEPTANCE OF THE MATTE	ATERIALS SHIPPED WITH THIS JOB
VOLUME OF MATERIAL [] BBLS	VICES, INC'S ACCEPTANCE OF THE M S AND WARRANTS THAT THE WASTE , CONSERVATION AND RECOVERY ACT A HEALTH AND SAF. CODE § 361.001 e A AFFORDED DRILLING FLUIDS, PROD	ATERIALS SHIPPED WITH THIS JOB MATERIAL SHIPPED HEREWITH IS OF 1976, AS AMENDED FROMTIME t seq., AND REGULATIONS RELATED UCED WATERS, AND OTHER WASTE
AS A CONDITION TO SUNDANCE SER TICKET, OPERATOR/SHIPPER REPRESENT MATERIAL EXEMPT FROM THE RESOURCE TO TIME, 40 U.S.C. § 6901, et seq., THE NM THERETO, BY VIRTUE OF THE EXEMPTION ASSOCIATED WITH THE EXPLORATION, D	RVICES, INC.'S ACCEPTANCE OF THE M S AND WARRANTS THAT THE WASTE , CONSERVATION AND RECOVERY ACT M HEALTH AND SAF. CODE § 361.001 e N AFFORDED DRILLING FLUIDS, PROD DEVELOPMENT OR PRODUCTION OF SERVICES, INC.'S ACCEPTANCE OF THE I AND WARRANTS THAT ONLY 1	ATERIALS SHIPPED WITH THIS JOB MATERIAL SHIPPED HEREWITH IS OF 1976, AS AMENDED FROM TIME t seq., AND REGULATIONS RELATED UCED WATERS, AND OTHER WASTE CRUDE OIL OR NATURAL GAS OR MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY
AS A CONDITION TO SUNDANCE SER TICKET, OPERATOR/SHIPPER REPRESENT MATERIAL EXEMPT FROM THE RESOURCE TO TIME, 40 U.S.C. § 6901, et seq., THE NM THERETO, BY VIRTUE OF THE EXEMPTION ASSOCIATED WITH THE EXPLORATION, I GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE S TICKET. TRANSPORTER REPRESENTS OPERATOR/SHIPPER TO TRANSPORTER I	RVICES, INC.'S ACCEPTANCE OF THE M S AND WARRANTS THAT THE WASTE , CONSERVATION AND RECOVERY ACT A HEALTH AND SAF. CODE § 361.001 e A AFFORDED DRILLING FLUIDS, PROD DEVELOPMENT OR PRODUCTION OF SERVICES, INC.'S ACCEPTANCE OF THE I AND WARRANTS THAT ONLY T IS NOW DELIVERED BY TRANSPORTE sporter loaded the material represented tendered by the above described shipped	
VOLUME OF MATERIAL [] BBLS AS A CONDITION TO SUNDANCE SER TICKET, OPERATOR/SHIPPER REPRESENT MATERIAL EXEMPT FROM THE RESOURCE TO TIME, 40 U.S.C. § 6901, et seq., THE NM THERETO, BY VIRTUE OF THE EXEMPTION ASSOCIATED WITH THE EXPLORATION, D GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE S TICKET. TRANSPORTER REPRESENTS OPERATOR/SHIPPER TO TRANSPORTER I FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Trans above described location, and that it was to materials were added to this load, and that	RVICES, INC.'S ACCEPTANCE OF THE M S AND WARRANTS THAT THE WASTE , CONSERVATION AND RECOVERY ACT A HEALTH AND SAF. CODE § 361.001 e A AFFORDED DRILLING FLUIDS, PROD DEVELOPMENT OR PRODUCTION OF SERVICES, INC.'S ACCEPTANCE OF THE I AND WARRANTS THAT ONLY T IS NOW DELIVERED BY TRANSPORTE sporter loaded the material represented tendered by the above described shipped	

	P.O. Box 1737 Eunice, New M (575) 394-2511	Aexico 88231	TICKET No. 210504
LEASE OPERATO	R/SHIPPER/COMPANY:	16	
LEASE NAME:	NAL		
TRANSPORTER (COMPANY:	Francis	TIME AM/PM
	VEHICLE NO: 9		OR COMPANY MAN'S NAME:
CHARGE TO:	SUG	RIG N	AME
		TYPE OF MATERIAL	
	[] Production Water	[] Drilling Fluids	[] Rinsate
	[] Tank Bottoms	Contaminated Soil	[] Jet Out
	[] Solids	[] BS&W Content:	[] Call Out
Descrip	tion:	1	
RC or API #	an sainte taite	and the second	C-133#
VOLUME OF MA	TERIAL []BBLS.	: YARD	2 : 11
TICKET, OP MATERIAL E	ERATOR/SHIPPER REPRESENTS EXEMPT FROM THE RESOURCE, C U.S.C. § 6901, et seq., THE NM H Y VIRTUE OF THE EXEMPTION A	AND WARRANTS THAT THE WAST ONSERVATION AND RECOVERY AC	MATERIALS SHIPPED WITH THIS JOB E MATERIAL SHIPPED HEREWITH IS T OF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DUCED WATERS AND OTHER WASTE
THERETO, B ASSOCIATE GEOTHERM ALSO AS A TICKET. TR OPERATOR/	IAL ENERGY. A CONDITION TO SUNDANCE SEI RANSPORTER REPRESENTS A	VELOPMENT OR PRODUCTION O RVICES, INC'S ACCEPTANCE OF THE ND WARRANTS THAT ONLY	MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY ER TO SUNDANCE SERVICES, INC'S

P.O. Box 1737 Eunice, New (575) 394-251	
LEASE OPERATOR/SHIPPER/COMPANY:	11G
LEASE NAME: MH 4	
TRANSPORTER COMPANY:	TIME 30 AM/PM
DATE: 1/4/70/7 VEHICLE NO: C	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 #	
VOLUME OF MATERIAL [] BBLS	C-133# : X] YARD_12_: []
VOLUME OF MATERIAL [] BBLS. AS A CONDITION TO SUNDANCE SERV TICKET, OPERATOR/SHIPPER REPRESENTS MATERIAL EXEMPT FROM THE RESOURCE, TO TIME, 40 U.S.C. § 6901, et seq., THE NM THERETO, BY VIRTUE OF THE EXEMPTION	2 10
VOLUME OF MATERIAL [] BBLS. AS A CONDITION TO SUNDANCE SERV TICKET, OPERATOR/SHIPPER REPRESENTS MATERIAL EXEMPT FROM THE RESOURCE, TO TIME, 40 U.S.C. § 6901, et seq., THE NM THERETO, BY VIRTUE OF THE EXEMPTION ASSOCIATED WITH THE EXPLORATION, D GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SE TICKET. TRANSPORTER REPRESENTS	
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VOLUME OF MATERIAL [] BBLS. AS A CONDITION TO SUNDANCE SERVING NICKET, OPERATOR/SHIPPER REPRESENTS MATERIAL EXEMPT FROM THE RESOURCE, TO TIME, 40 U.S.C. § 6901, et seq., THE NM THERETO, BY VIRTUE OF THE EXEMPTION ASSOCIATED WITH THE EXPLORATION, D GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SI TICKET. TRANSPORTER REPRESENTS OPERATOR/SHIPPER TO TRANSPORTER IS FACILITY FOR DISPOSAL.	

sense and the sense of the sens	ANCE SERV P.O. Box 1737 Eunice, New Me (575) 394-2511		TICKET No. 210473
LEASE OPERATOR/SHIP	PER/COMPANY:	TWA STREET	
LEASE NAME:	NA-4		
TRANSPORTER COMPA	NY: ELENO	Energy	TIME AM/PA
DATE: 7/4/201	VEHICLE NO:	GB	MERATOR COMPANY MAN'S NAME:
CHARGE TO:	110-1		RIG NAME AND NUMBER
	٦	TYPE OF MATERIAL	
ſ] Production Water	[] Drilling Fluids	[] Rinsate
1] Tank Bottoms	Contaminated Soil	[] Jet Out
t] Solids	[] BS&W Content:	[] Call Out
Description:	10.000		
RRC or API #			
			C-133#
VOLUME OF MATERIAL		: YARD	C-133#
AS A CONDITION TICKET, OPERATOR MATERIAL EXEMPT TO TIME, 40 U.S.C. THERETO, BY VIRTU ASSOCIATED WITH GEOTHERMAL ENE ALSO AS A CONE	ON TO SUNDANCE SERVIC R/SHIPPER REPRESENTS A FROM THE RESOURCE, CC § 6901, et seq., THE NM HI UE OF THE EXEMPTION AF H THE EXPLORATION, DEV ERGY.	TES, INC.'S ACCEPTANCE OF T AND WARRANTS THAT THE V ONSERVATION AND RECOVER EALTH AND SAF. CODE § 361. FFORDED DRILLING FLUIDS, //ELOPMENT OR PRODUCTIO	<u> </u> : []
VOLUME OF MATERIAL AS A CONDITIO TICKET, OPERATOR MATERIAL EXEMPT TO TIME, 40 U.S.C. THERETO, BY VIRTU ASSOCIATED WITH GEOTHERMAL ENE ALSO AS A COND TICKET. TRANSPO OPERATOR/SHIPPE FACILITY FOR DISP THIS WILL CERTU above described Io	ON TO SUNDANCE SERVIC R/SHIPPER REPRESENTS A F FROM THE RESOURCE, CC § 6901, et seq., THE NM HI UE OF THE EXEMPTION AF 1 THE EXPLORATION, DEV ERGY. DITION TO SUNDANCE SER DRTER REPRESENTS AI ER TO TRANSPORTER IS N POSAL. IFY that the above Transpo feation, and that it was ten	CES, INC.'S ACCEPTANCE OF T AND WARRANTS THAT THE V DNSERVATION AND RECOVER EALTH AND SAF. CODE § 361. FFORDED DRILLING FLUIDS, VELOPMENT OR PRODUCTIO INCES, INC.'S ACCEPTANCE OF ND WARRANTS THAT OF NOW DELIVERED BY TRANSF DISTORT FOR THE STATE OF THE	THE MATERIALS SHIPPED WITH THIS JOB WASTE MATERIAL SHIPPED HEREWITH IS Y ACT OF 1976, AS AMENDED FROM TIME 001 et seq., AND REGULATIONS RELATED PRODUCED WATERS, AND OTHER WASTE N OF CRUDE OIL OR NATURAL GAS OR F THE MATERIALS SHIPPED WITH THIS JOB NLY THE MATERIAL DELIVERED BY PORTER TO SUNDANCE SERVICES, INC:S sented by this Transporter Statement at the shipper. This will certify that no additional
VOLUME OF MATERIAL AS A CONDITIO TICKET, OPERATOR MATERIAL EXEMPT TO TIME, 40 U.S.C. THERETO, BY VIRTU ASSOCIATED WITH GEOTHERMAL ENE ALSO AS A COND TICKET. TRANSPO OPERATOR/SHIPPE FACILITY FOR DISP THIS WILL CERTU above described Io	ON TO SUNDANCE SERVIC R/SHIPPER REPRESENTS A FROM THE RESOURCE, CC 5 6901, et seq., THE NM HI UE OF THE EXEMPTION AF 4 THE EXPLORATION, DEV ERGY. DITION TO SUNDANCE SER ORTER REPRESENTS AN ER TO TRANSPORTER IS NO OSAL. IFY that the above Transpo feation, and that it was tend fed to this load, and that the	CES, INC.'S ACCEPTANCE OF T AND WARRANTS THAT THE V DNSERVATION AND RECOVER EALTH AND SAF. CODE § 361. FFORDED DRILLING FLUIDS, VELOPMENT OR PRODUCTIO INCES, INC.'S ACCEPTANCE OF ND WARRANTS THAT OF NOW DELIVERED BY TRANSF	THE MATERIALS SHIPPED WITH THIS JOB WASTE MATERIAL SHIPPED HEREWITH IS Y ACT OF 1976, AS AMENDED FROM TIME 001 et seq., AND REGULATIONS RELATED PRODUCED WATERS, AND OTHER WASTE N OF CRUDE OIL OR NATURAL GAS OR F THE MATERIALS SHIPPED WITH THIS JOB NLY THE MATERIAL DELIVERED BY PORTER TO SUNDANCE SERVICES, INC:S sented by this Transporter Statement at the shipper. This will certify that no additional

P.O. Box 1737 Eunice, New Mexico 8823 (575) 394-2511	
LEASE OPERATOR/SHIPPER/COMPANY:	
LEASE NAME: MAY	
TRANSPORTER COMPANY: Heroson	TIME AM/PM
DATE: 14/2012 VEHICLE NO:	GENERATOR COMPANY MAN'S NAME:
CHARGE TO: SUIG	RIG NAME AND NUMBER
TYPEC	DE MATERIAL
	Drilling Fluids [] Rinsate
	Contaminated Soil [] Jet Out
	BS&W Content: [] Call Out
t i solids t i	bsow content:
Description:O/L	
RRC or API #	C-133#
VOLUME OF MATERIAL [] BBLS:	
	S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB
AS A CONDITION TO SUNDANCE SERVICES, INC. TICKET, OPERATOR/SHIPPER REPRESENTS AND WAF MATERIAL EXEMPT FROM THE RESOURCE, CONSERVA TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AI THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED ASSOCIATED WITH THE EXPLORATION, DEVELOPME GEOTHERMAL ENERGY.	S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB RRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS TION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME ND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED D DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR
AS A CONDITION TO SUNDANCE SERVICES, INC. TICKET, OPERATOR/SHIPPER REPRESENTS AND WAF MATERIAL EXEMPT FROM THE RESOURCE, CONSERVA TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AI THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED ASSOCIATED WITH THE EXPLORATION, DEVELOPME GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SERVICES, IN TICKET. TRANSPORTER REPRESENTS AND WA	S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB RRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS THON AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME ND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED D DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE
AS A CONDITION TO SUNDANCE SERVICES, INC.' TICKET, OPERATOR/SHIPPER REPRESENTS AND WAP MATERIAL EXEMPT FROM THE RESOURCE, CONSERVA TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AN THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED ASSOCIATED WITH THE EXPLORATION, DEVELOPME GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SERVICES, IN TICKET. TRANSPORTER REPRESENTS AND WA OPERATOR/SHIPPER TO TRANSPORTER IS NOW DE FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Transporter load	S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB RRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS TION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME ND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED D DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR IC'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB RRANTS THAT ONLY THE MATERIAL DELIVERED BY LIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC'S Wed the material represented by this Transporter Statement at the the above described shipper. This will certify that no additional
AS A CONDITION TO SUNDANCE SERVICES, INC.' TICKET, OPERATOR/SHIPPER REPRESENTS AND WAF MATERIAL EXEMPT FROM THE RESOURCE, CONSERVA TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AI THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED ASSOCIATED WITH THE EXPLORATION, DEVELOPME GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SERVICES, IN TICKET. TRANSPORTER REPRESENTS AND WA OPERATOR/SHIPPER TO TRANSPORTER IS NOW DE FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Transporter load above described location, and that it was tendered by	S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB RRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS TION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME ND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED D DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR IC'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB RRANTS THAT ONLY THE MATERIAL DELIVERED BY LIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC'S Wed the material represented by this Transporter Statement at the the above described shipper. This will certify that no additional
AS A CONDITION TO SUNDANCE SERVICES, INC. TICKET, OPERATOR/SHIPPER REPRESENTS AND WAR MATERIAL EXEMPT FROM THE RESOURCE, CONSERVA TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AN THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED ASSOCIATED WITH THE EXPLORATION, DEVELOPME GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SERVICES, IN TICKET. TRANSPORTER REPRESENTS AND WAY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DE FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Transporter load above described location, and that it was tendered by materials were added to this load, and that the material	S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB RRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS TION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME ND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED D DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR IC'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB RRANTS THAT ONLY THE MATERIAL DELIVERED BY LIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC'S Wed the material represented by this Transporter Statement at the the above described shipper. This will certify that no additional
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	1737 Eunice, New N (575) 394-2511	Aexico 88231	TICKET No. 210503
LEASE OPERATOR/SHIPPER/C	OMPANY:	IC.	
	AU		
TRANSPORTER COMPANY:	Hernes	aler The	TIME C AM(P
DATE: 1/4/2012 V	EHICLE NO:		AN'S NAME CHARACTERINA
CHARGE TO:	C.	RIG NA AND N	UME IUMBER
		TYPE OF MATERIAL	
[] Prod	luction Water	[] Drilling Fluids	[] Rinsate
[] Tank	Bottoms	1 Contaminated Soil	[] Jet Out
[] Solid	ds	[] BS&W Content:	[] Call Out
Description:	r h	A CARLENCE AND AND A CARLENCE	and the second second
pesciption.	and the second		
			C-133#
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RRC or API # VOLUME OF MATERIAL [AS A CONDITION TO TICKET, OPERATOR/SHIP MATERIAL EXEMPT FROM TO TIME, 40 U.S.C. § 690 THERETO, BY VIRTUE OF ASSOCIATED WITH THE GEOTHERMAL ENERGY.	SUNDANCE SERVI PER REPRESENTS A THE RESOURCE, C 1, et seq., THE NM I THE EXEMPTION / EXPLORATION, DE	ICES, INC.'S ACCEPTANCE OF THE N AND WARRANTS THAT THE WASTI CONSERVATION AND RECOVERY ACT HEALTH AND SAF. CODE § 361.001 (AFFORDED DRILLING FLUIDS, PROE EVELOPMENT OR PRODUCTION OF	: []
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[]]] (575) 39	RVICES, Inc. New Mexico 88231 -2511 TICKET No. 210487
EASE OPERATOR/SHIPPER/COMPANY:	Sug
EASE NAME: MA	
RANSPORTER COMPANY:	TIME 11:20 (AM/PI
ATE: 1/10/2012 VEHICLE NO	GENERATOR COMPANY MAN'S NAME
HARGETO: SUG	RIG NAME AND NUMBER
	TYPE OF MATERIAL
[] Production Wate	[] Drilling Fluids [] Rinsate
[] Tank Bottoms	X Contaminated Soil [] Jet Out
[] Solids	[] BS&W Content: [] Call Out
Description:	0
RC or API #	C-133#
	SERVICES, INC'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB
AS A CONDITION TO SUNDANCE TICKET, OPERATOR/SHIPPER REPRES MATERIAL EXEMPT FROM THE RESOL TO TIME, 40 U.S.C. § 6901, et seq., TH THERETO, BY VIRTUE OF THE EXEMP ASSOCIATED WITH THE EXPLORATIO	SERVICES, INC'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB
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	O. Box 1737 Eunice, New M (575) 394-2511	ICES, Inc.	TICKET No. 210471
ASE OPERATOR/SHIPP	PER/COMPANY:	10.	
ASE NAME:	MA 4	a she and a second	and the second second second
RANSPORTER COMPAN	Mr. Herrin	NOZ TENGAN	TIME CLOO AM/PM
ATE: 1/4/2012	VEHICLE NO:	GENER/	MAN'S NAME:
	16-1		NAME D NUMBER
		TYPE OF MATERIAL	Sec
[]	Production Water	[] Drilling Fluids	[] Rinsate
	Tank Bottoms	Contaminated Soil	[] Jet Out
[]	Solids	BS&W Content:	[] Call Out
Description			
Description:	61		
RC or API #	P. I. M. AND STREET		C-133#
	[]BBLS.	: VI YARD	1) : []
AS A CONDITIO	N TO SUNDANCE SERVI		MATERIALS SHIPPED WITH THIS JOB
AS A CONDITION TICKET, OPERATOR MATERIAL EXEMPT TO TIME, 40 U.S.C. § THERETO, BY VIRTU ASSOCIATED WITH GEOTHERMAL ENER ALSO AS A CONDI TICKET. TRANSPO	ASHIPPER REPRESENTS FROM THE RESOURCE, C 6901, et seq., THE NM H IE OF THE EXEMPTION A THE EXPLORATION, DE RGY. ITION TO SUNDANCE SEI RTER REPRESENTS A R TO TRANSPORTER IS	CES, INC.'S ACCEPTANCE OF THE AND WARRANTS THAT THE WAS ONSERVATION AND RECOVERY A IEALTH AND SAF. CODE § 361.00 IFFORDED DRILLING FLUIDS, PRO VELOPMENT OR PRODUCTION (RVICES, INC.'S ACCEPTANCE OF TH ND WARRANTS THAT ONLY	
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	P.O. Box 1737 Eunice, New M (575) 394-2511	Mexico 88231	TICKET No. 210493
EASE OPERATOR	SHIPPER/COMPANY:	(Colored and a second s	
EASE NAME:	MAU		
RANSPORTER CO	MPANY:	Contraction and	TIME TIME AM/PA
ATE: MILL	VEHICLE NO:		
HARGE TO:	EUG	RIG N.	AME NUMBER
		TYPE OF MATERIAL	
	[] Production Water	[] Drilling Fluids	[] Rinsate
	[] Tank Bottoms	Contaminated Soil	[] Jet Out
	[] Solids	[] BS&W Content:	[] Call Out
Descripti	on: CII		<u></u>
	and the second sec		
RC or API #			C-133#
OLUME OF MAT	ERIAL []BBLS		C-133#
AS A CON TICKET, OPEF MATERIAL EX TO TIME, 40 L THERETO, BY ASSOCIATED GEOTHERMA ALSO AS A TICKET. TRA	ERIAL [] BBLS IDITION TO SUNDANCE SERV RATOR/SHIPPER REPRESENTS EMPT FROM THE RESOURCE, O J.S.C. § 6901, et seq., THE NM I VIRTUE OF THE EXEMPTION / WITH THE EXPLORATION, DE L ENERGY. CONDITION TO SUNDANCE SE INSPORTER REPRESENTS / HIPPER TO TRANSPORTER IS	ICES, INC.'S ACCEPTANCE OF THE M AND WARRANTS THAT THE WAST CONSERVATION AND RECOVERY AC HEALTH AND SAF. CODE § 361.001 AFFORDED DRILLING FLUIDS, PROE EVELOPMENT OR PRODUCTION OF ERVICES, INC.'S ACCEPTANCE OF THE AND WARRANTS THAT ONLY	: []

	P.O. Box 1737 Eunice, New M (575) 394-2511		TICKET No. 2105	00
LEASE OPERATOR/SHI		(All the state		
LEASE NAME:	MAU			
TRANSPORTER COMP	ANY:	Ensy	TIME 12	AM/PN
DATE: MUDOCI	VEHICLE NO:	GENERA		Genter.
CHARGE TO:	CLIG		NAME I NUMBER	
		TYPE OF MATERIAL		
	[] Production Water	[] Drilling Fluids	[] Rinsate	
v 2000 - 100] Tank Bottoms	Contaminated Soil	[] Jet Out	
	[] Solids	[] BS&W Content:	[] Call Out	
Description:	qL			<u> (14</u>
RRC or API #		1997 - M. 1997	C-133#	Niki sekis
VOLUME OF MATERIA	AL []BBLS	: [/] YARD_	2. []_	
	DT FROM THE DECOURCE C			EWITH IS
TO TIME, 40 U.S.C THERETO, BY VIR ASSOCIATED WIT GEOTHERMAL EN ALSO AS A CON	5 6901, et seq., THE NM H TUE OF THE EXEMPTION A TH THE EXPLORATION, DE NERGY.	ONSERVATION AND RECOVERY A IEALTH AND SAF. CODE § 361.001 FFORDED DRILLING FLUIDS, PRO- VELOPMENT OR PRODUCTION O RVICES, INC.'S ACCEPTANCE OF TH- IND WARRANTS THAT ONLY	et seq., AND REGULATIONS DUCED WATERS, AND OTH F CRUDE OIL OR NATURAL	RELATED RELATED R WASTE GAS OR
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	P.O. Box 1737 Eunice, New M (575) 394-2511	Nexico 88231	TICKET No. 210475
LEASE OPERATOR/S	SHIPPER/COMPANY:	ue,	
LEASE NAME:	MAY		and the second second
TRANSPORTER COL	MPANY:	A COMPANY AND	TIME AM/PM
DATE: *7/4/7	VEHICLE NO: X		DR COMPANY
CHARGE TO:	5116	RIG N/ AND N	AME NUMBER
		TYPE OF MATERIAL	
	[] Production Water	[] Drilling Fluids	[] Rinsate
	[] Tank Bottoms	Contaminated Soil	[] Jet Out
	[] Solids	[] BS&W Content:	[] Call Out
North States			
Descriptio	on:(2	
			C 1331
RRC or API #			C-133#
VOLUME OF MATE	DITION TO SUNDANCE SERVI		MATERIALS SHIPPED WITH THIS JOB
AS A CON TICKET, OPER MATERIAL EXE TO TIME, 40 U THERETO, BY ASSOCIATED GEOTHERMAI ALSO AS A C TICKET. TRA	DITION TO SUNDANCE SERVI ATOR/SHIPPER REPRESENTS EMPT FROM THE RESOURCE, C .S.C. § 6901, et seq., THE NM H VIRTUE OF THE EXEMPTION A WITH THE EXPLORATION, DE L ENERGY. CONDITION TO SUNDANCE SEI NSPORTER REPRESENTS A HIPPER TO TRANSPORTER IS	ICES, INC.'S ACCEPTANCE OF THE M AND WARRANTS THAT THE WASTI CONSERVATION AND RECOVERY ACT HEALTH AND SAF. CODE § 361.001 (AFFORDED DRILLING FLUIDS, PROD EVELOPMENT OR PRODUCTION OF RVICES, INC.'S ACCEPTANCE OF THE AND WARRANTS THAT ONLY	· []

P.O. Box 1737 Eunice, New Mer (575) 394-2511	
EASE OPERATOR/SHIPPER/COMPANY: 50	1G
EASE NAME: /1/H - 4	
TRANSPORTER COMPANY: Pasen	SILVITCI TIME 3:24 AM/PI
DATE: 7-9-12 VEHICLE NO: 8	GENERATOR COMPANY (, Stakley
CHARGE TO: SIIG	RIG NAME AND NUMBER
	Trace resident
Т	YPE OF MATERIAL
[] Production Water	[] Drilling Fluids [] Rinsate
[] Tank Bottoms	K] Contaminated Soil [] Jet Out
[] Solids	[] BS&W Content: [] Call Out
Description:	and the second
RRC or API #	C-133#
VOLUME OF MATERIAL [] BBLS.	: XIYARD /2 : []
	ES, INC'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB
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P.O. Box 1737 Eunice, New ((575) 394-2511		TICKET No. 210753
LEASE OPERATOR/SHIPPER/COMPANY:	SUG	
LEASE NAME: 11 A-4		and the second second second
TRANSPORTER COMPANY: PANA	Enning	TIME 2:04 AMPM
DATE: 7-9-12 VEHICLE NO:	GENERA	FOR COMPANY A, Stallout
CHARGETO: SUG		JAME NUMBER
	TYPE OF MATERIAL	00
[] Production Water	[] Drilling Fluids	[] Rinsate
[] Tank Bottoms	Contaminated Soil	[] Jet Out
[] Solids	[] BS&W Content:	[] Call Out
Description:	5	
RRC or API #		C-133#
VOLUME OF MATERIAL []BBLS.	: XI YARD /2	- : [1
TICKET, OPERATOR/SHIPPER REPRESENTS MATERIAL EXEMPT FROM THE RESOURCE, O TO TIME, 40 U.S.C. § 6901, et seq., THE NM	CONSERVATION AND RECOVERY AC	T OF 1976, AS AMENDED FROM TIME
THERETO, BY VIRTUE OF THE EXEMPTION ASSOCIATED WITH THE EXPLORATION, DI GEOTHERMAL ENERGY.	AFFORDED DRILLING FLUIDS, PRO EVELOPMENT OR PRODUCTION O	DUCED WATERS, AND OTHER WASTE F CRUDE OIL OR NATURAL GAS OR
THERETO, BY VIRTUE OF THE EXEMPTION ASSOCIATED WITH THE EXPLORATION, D	AFFORDED DRILLING FLUIDS, PRO EVELOPMENT OR PRODUCTION O ERVICES, INC.'S ACCEPTANCE OF TH AND WARRANTS THAT ONLY	DUCED WATERS, AND OTHER WASTE F CRUDE OIL OR NATURAL GAS OR E MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY
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P.O. Box 1737 Eunice, New Me (575) 394-2511	TICES, Inc. EXICO 88231 TICKET No. 210734
OPERATOR/SHIPPER/COMPANY: 5	116
NAME: 11A-4	
SPORTER COMPANY: RASIN	ENLINC: TIME/2:23AMAR
7-9-12 VEHICLE NO: 8	GENERATOR COMPANY MAN'S NAME: C, STOTH COL
SETO: SUG	RIG NAME AND NUMBER
1	TYPE OF MATERIAL
[] Production Water	[] Drilling Fluids [] Rinsate
[] Tank Bottoms	X Contaminated Soil [] Jet Out
[] Solids	[] BS&W Content: [] Call Out
Description: Ol	0
rAPI#	C-133#
ME OF MATERIAL [] BBLS.	: X1 YARD /2 : []
IATERIAL EXEMPT FROM THE RESOURCE, CO	ND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS
HERETO, BY VIRTUE OF THE EXEMPTION AF SSOCIATED WITH THE EXPLORATION, DEVI EOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SERV CKET. TRANSPORTER REPRESENTS AN	EALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED FFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE /ELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR VICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB ND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S

P.O. Box 1737 Eunice, New M (575) 394-2511	Mexico 88231	TICKET No. 210718
LEASE OPERATOR/SHIPPER/COMPANY: 51	IG	
LEASE NAME: MA-4		
TRANSPORTER COMPANY: BOSIN	Envir.	TIME //:// AM/PM
DATE: 7-9-12 VEHICLE NO: 8		MAN'S NAME C. Staley
CHARGE TO: SUG		NAME D NUMBER
	TYPE OF MATERIAL	N. S.
[] Production Water	[] Drilling Fluids	[] Rinsate
[] Tank Bottoms	XI Contaminated Soil	[] JetOut
[] Solids	[] BS&W Content:	[] Call Out
Description:)	
RRC or API #		C-133#
VOLUME OF MATERIAL [] BBLS	: X1 YARD	2 : []
TICKET, OPERATOR/SHIPPER REPRESENTS MATERIAL EXEMPT FROM THE RESOURCE, C TO TIME, 40 U.S.C. § 6901, et seq., THE NM I THERETO, BY VIRTUE OF THE EXEMPTION / ASSOCIATED WITH THE EXPLORATION, DE GEOTHERMAL ENERGY.	CONSERVATION AND RECOVERY AN HEALTH AND SAF. CODE § 361.001 AFFORDED DRILLING FLUIDS, PRC	CT OF 1976, AS AMENDED FROM TIME 1 et seq., AND REGULATIONS RELATED DDUCED WATERS, AND OTHER WASTE
ALSO AS A CONDITION TO SUNDANCE SE TICKET. TRANSPORTER REPRESENTS A OPERATOR/SHIPPER TO TRANSPORTER IS FACILITY FOR DISPOSAL.	AND WARRANTS THAT ONLY	THE MATERIAL DELIVERED BY
THIS WILL CERTIFY that the above Transp above described location, and that it was te materials were added to this load, and that t	ndered by the above described ship	pper. This will certify that no additional
	1 -1 /1	
	. 3/a Cru	2
FACILITY REPRESENTATIVE:	Canary - Sundance Acct #1	Pink - Transporter

	P.O. Box 1737 Eunice, New Mexico 88 (575) 394-2511	ES, Inc.	TICKET No. 2107	'00
EASE OPERATOR/	SHIPPER/COMPANY: 51	G	C. Series	
EASE NAME:	MA-4	Sec. S. S.		
RANSPORTER CO	MPANY: Basin EI	Wiron	TIME 7:5	Z AM/PM
DATE: 17-9-	12 VEHICLE NO: 4		AN'S NAME: 2, 527	Kley
HARGE TO:	SHG	RIG NAJ AND N		0
	ТҮРЕ	OF MATERIAL	4	
14	[] Production Water [] Drilling Fluids	[] Rinsate	
	[] Tank Bottoms	Contaminated Soil	[] Jet Out	
	[] Solids] BS&W Content:	[] Call Out	
and the second	010			
Descriptio	m:			
RRC or API #		and the second s	C-133#	1 6 m
VOLUME OF MATE		X] YARD 2		
AS A CONI TICKET, OPER MATERIAL EXE TO TIME, 40 U THERETO, BY ASSOCIATED GEOTHERMAL ALSO AS A C TICKET. TRAI	DITION TO SUNDANCE SERVICES, IN ATOR/SHIPPER REPRESENTS AND W SMPT FROM THE RESOURCE, CONSER S.C. § 6901, et seq., THE NM HEALTH VIRTUE OF THE EXEMPTION AFFORD WITH THE EXPLORATION, DEVELOP ENERGY. CONDITION TO SUNDANCE SERVICES, NSPORTER REPRESENTS AND W HIPPER TO TRANSPORTER IS NOW E	C'S ACCEPTANCE OF THE M ARRANTS THAT THE WASTE VATION AND RECOVERY ACT I AND SAF. CODE § 361.001 e DED DRILLING FLUIDS, PRODI MENT OR PRODUCTION OF INC'S ACCEPTANCE OF THE I VARRANTS THAT ONLY T	ATERIALS SHIPPED WITH MATERIAL SHIPPED HEP OF 1976, AS AMENDED FI t seq., AND REGULATIONS UCED WATERS, AND OTH CRUDE OIL OR NATURAL MATERIALS SHIPPED WITH THE MATERIAL DELIVE	Rewith IS Rom time & Related ER Waste L Gas or I This Job Ered By

P.O. Box 1737 Eunice, New Me (575) 394-2511	ICES, Inc.	TICKET No. 210775
	IG	
EASE NAME: 1) 1 + - 4		and the second second
TRANSPORTER COMPANY:	Envire.	TIME 7:26 AMUP
DATE: 7-9-12 VEHICLE NO: 9		AN'S NAME C. Stanley
CHARGETO: SUG	RIG NA AND N	ME /
1	TYPE OF MATERIAL	
[] Production Water	[] Drilling Fluids	[] Rinsate
[] Tank Bottoms	KI Contaminated Soil	[] Jet Out
[] Solids	[] BS&W Content:	[] Call Out
Description:	D	Sec. Stra
RRC or API #		C-133#
and a second		and the state of the second of the second states and the
AS A CONDITION TO SUNDANCE SERVIC TICKET, OPERATOR/SHIPPER REPRESENTS A	ND WARRANTS THAT THE WASTE	MATERIAL SHIPPED HEREWITH IS
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P.O. Box 1737 Eunice, New M (575) 394-2511	VICES, Inc.	TICKET No. 210754
LEASE OPERATOR/SHIPPER/COMPANY:	SUG	
LEASE NAME: /] / - 4	Profession Providence	
TRANSPORTER COMPANY:	· Enine.	TIME 2:15 AM/PM
DATE: 7-9-17 VEHICLE NO:	GENERAT	DR COMPANY TI STALLUT
CHARGE TO: 5//G	RIG N.	
	TYPE OF MATERIAL	
[] Production Water	[] Drilling Fluids	[] Rinsate
[] Tank Bottoms	X] Contaminated Soil	[] Jet Out
[] Solids	[] BS&W Content:	[] Call Out
Description:	10	Second Second Second
RRC or API #	Color Martin	C-133#
VOLUME OF MATERIAL [] BBLS.	: XJ YARD	2 : []
TICKEL OPERATOR/SPIPPER REPRESENTS	AND WARRANTS THAT THE WAST	E MATERIAL SHIPPED HEREWITH IS
MATERIAL EXEMPT FROM THE RESOURCE, C TO TIME, 40 U.S.C. § 6901, et seq., THE NM H THERETO, BY VIRTUE OF THE EXEMPTION A ASSOCIATED WITH THE EXPLORATION, DE GEOTHERMAL ENERGY.	IEALTH AND SAF. CODE § 361.001 (FFORDED DRILLING FLUIDS, PROD VELOPMENT OR PRODUCTION OF	T OF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE CRUDE OIL OR NATURAL GAS OR
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TIL STATE STATE	30x 1737 Eunice, New 1 (575) 394-2511		TICKET No. 210	1735
EASE OPERATOR/SHIPPER		NG		
EASE NAME: ///	1-4		and the second second	
RANSPORTER COMPANY:	Parin	Envire	TIME /2	: 26 AM/P
ATE:7-4-12	VEHICLE NO:		DR COMPANY	talley
HARGE TO: 5	UG	RIG N/ AND N	AME NUMBER	J
19 M 19		TYPE OF MATERIAL		
[] Pr	oduction Water	[] Drilling Fluids	[] Rinsate	
[] Ta	ink Bottoms	Contaminated Soil	[] Jet Out	
[] 50	olids	[] BS&W Content:	[] Call Out	
Description:	(olo		
ANALY AND ADD AND A COMPANY AND A COMPANY AND A COMPANY	Contraction of the second		C-133#	
RC or API #			e 1001	
AS A CONDITION T		ICES, INC'S ACCEPTANCE OF THE N AND WARRANTS THAT THE WASTE	ATERIALS SHIPPED WIT	'H THIS JOB
AS A CONDITION T TICKET, OPERATOR/SH MATERIAL EXEMPT FRO TO TIME, 40 U.S.C. § 69 THERETO, BY VIRTUE O	O SUNDANCE SERV IIPPER REPRESENTS OM THE RESOURCE, O 901, et seq., THE NM OF THE EXEMPTION J IE EXPLORATION, DE	ICES, INC'S ACCEPTANCE OF THE N	ATERIALS SHIPPED WIT E MATERIAL SHIPPED H T OF 1976, AS AMENDED et seq., AND REGULATION DUCED WATERS, AND OT	H THIS JOB EREWITH IS FROM TIME NS RELATED HER WASTE
AS A CONDITION T TICKET, OPERATOR/SH MATERIAL EXEMPT FRO TO TIME, 40 U.S.C. § 69 THERETO, BY VIRTUE O ASSOCIATED WITH TH GEOTHERMAL ENERGY ALSO AS A CONDITIO TICKET. TRANSPORT	O SUNDANCE SERV IPPER REPRESENTS OM THE RESOURCE, O 201, et seq., THE NM OF THE EXEMPTION / IE EXPLORATION, DE Y. ON TO SUNDANCE SE ER REPRESENTS / O TRANSPORTER IS	ICES, INC.'S ACCEPTANCE OF THE N AND WARRANTS THAT THE WASTE CONSERVATION AND RECOVERY ACT HEALTH AND SAF. CODE § 361.001 ¢ AFFORDED DRILLING FLUIDS, PROD	. [] MATERIALS SHIPPED WIT E MATERIAL SHIPPED HI T OF 1976, AS AMENDED et seq., AND REGULATION DUCED WATERS, AND OT CRUDE OIL OR NATUR MATERIALS SHIPPED WT THE MATERIAL DELI	H THIS JOB EREWITH IS FROM TIME VS RELATED HER WASTE AL GAS OR TH THIS JOB VERED BY
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	P.O. Box 1737 Eunice, New ((575) 394-2511	Mexico 88231	TICKET No. 210719
EASE OPERATOR/S	HIPPER/COMPANY: 51	UG	
EASE NAME: /)	1A-4		
RANSPORTER COM	IPANY: Basin	Enunc.	TIME/1:10 AM/P
DATE: 7-9-1	Z VEHICLE NO: 9	GE	MAN'S NAME STARLEY
	IG		RIG NAME AND NUMBER
CAR CONTRACT		TYPE OF MATERIAL	
	[] Production Water	[] Drilling Fluids	[] Rinsate
	[] Tank Bottoms	XI Contaminated Soil	[] Jet Out
	[] Solids	[] BS&W Content:	[] Call Out
Description	rO	10	
RRC or API #			C-133#
VOLUME OF MATER	IAL []BBLS.	: X] YARD_	12 : []
AS A COND			
TICKET, OPERA MATERIAL EXE/ TO TIME, 40 U.S THERETO, BY V ASSOCIATED W GEOTHERMAL	MPT FROM THE RESOURCE, C 5.C. § 6901, et seq., THE NM I IRTUE OF THE EXEMPTION / VITH THE EXPLORATION, DE ENERGY.	AND WARRANTS THAT THE V CONSERVATION AND RECOVER HEALTH AND SAF. CODE § 361. AFFORDED DRILLING FLUIDS, EVELOPMENT OR PRODUCTIO	VASTE MATERIAL SHIPPED HEREWITH IS Y ACT OF 1976, AS AMENDED FROM TIME .001 et seq., AND REGULATIONS RELATED PRODUCED WATERS, AND OTHER WASTE IN OF CRUDE OIL OR NATURAL GAS OR FTHE MATERIALS SHIPPED WITH THIS JOB
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P.O. Box 1737 Eunice, New Me: (575) 394-2511	ICES, Inc.	CKET No. 210701
EASE OPERATOR/SHIPPER/COMPANY: 50	IG	
EASE NAME: ()) () - 4		
RANSPORTER COMPANY: June 20	LICI	TIME 9159 (AM/PM
DATE: 7-9-12 VEHICLE NO: 9	GENERATOR O MAN	SNAME , Storlay
CHARGETO: SUG	RIG NAME AND NUM	BER
Т	YPE OF MATERIAL	
[] Production Water	[) Drilling Fluids	[] Rinsate
[] Tank Bottoms	X] Contaminated Soil	[] Jet Out
[] Solids	[] BS&W Content:	[] Call Out
Description:	D	
RRC or API #		C-133#
VOLUME OF MATERIAL [] BBLS.	: XI YARD 2	: []
AS & CONDITION TO SUNDANCE SERVICE	ES INC'S ACCEPTANCE OF THE MAT	FRIALS SHIPPED WITH THIS IOR
AS A CONDITION TO SUNDANCE SERVICE TICKET, OPERATOR/SHIPPER REPRESENTS AN MATERIAL EXEMPT FROM THE RESOURCE, CO TO TIME, 40 U.S.C. § 6901, et seq., THE NM HE THERETO, BY VIRTUE OF THE EXEMPTION AFT ASSOCIATED WITH THE EXPLORATION, DEVE GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SERV TICKET. TRANSPORTER REPRESENTS AN OPERATOR/SHIPPER TO TRANSPORTER IS NO FACILITY FOR DISPOSAL.	ND WARRANTS THAT THE WASTE M NSERVATION AND RECOVERY ACT OF ALTH AND SAF. CODE § 361.001 et so FORDED DRILLING FLUIDS, PRODUC ELOPMENT OR PRODUCTION OF CE VICES, INC.'S ACCEPTANCE OF THE MA D WARRANTS THAT ONLY TH OW DELIVERED BY TRANSPORTER ' ter loaded the material represented by	ATERIAL SHIPPED HEREWITH IS 1976, AS AMENDED FROM TIME eq., AND REGULATIONS RELATED ED WATERS, AND OTHER WASTE RUDE OIL OR NATURAL GAS OR TERIALS SHIPPED WITH THIS JOB E MATERIAL DELIVERED BY TO SUNDANCE SERVICES, INC.'S
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	ANCE SERV P.O. Box 1737 Eunice, New 1 (575) 394-2511	Mexico 88231	TICKET No. 210721
EASE OPERATOR/SHIP	PER/COMPANY:	SUG	
EASE NAME:	1-4	and the second second	
RANSPORTER COMPA	NY: Hernor	dez Truck	TIME 11:20 (AN
ATE: 7-9-17	VEHICLE NO:		AAN'S NAME A, STILLON
HARGE TO: 5/	16	RIG N/	UME IUMBER
		TYPE OF MATERIAL	a
	1 Production Water		[] Pincata
	1 Tank Bottoms	[] Drilling Fluids	[] Rinsate [] Jet Out
] Solids	[] BS&W Content:	[] Call Out
	01	IN	
Description:		13	
RC or API #	An and the second second second		C-133#
RRC or API # VOLUME OF MATERIAL	[]BBLS	: 1 YARD_/2	C-133#
VOLUME OF MATERIAL			2: []
AS A CONDITIC TICKET, OPERATO MATERIAL EXEMPT TO TIME, 40 U.S.C. THERETO, BY VIRT ASSOCIATED WITH GEOTHERMAL ENI ALSO AS A CONI TICKET. TRANSPO	ON TO SUNDANCE SERV R/SHIPPER REPRESENTS T FROM THE RESOURCE, (§ 6901, et seq., THE NM UE OF THE EXEMPTION, DI ENTRE EXPLORATION, DI ERGY.	A I	AATERIALS SHIPPED WITH THIS JOI E MATERIAL SHIPPED WITH THIS JOI E MATERIAL SHIPPED HEREWITH IS FOF 1976, AS AMENDED FROM TIM Et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WAST CRUDE OIL OR NATURAL GAS OF MATERIALS SHIPPED WITH THIS JOI THE MATERIAL DELIVERED B

- ML	P.O. Box 1737 Eunice, New 1 (575) 394-2511	Mexico 88231	TICKET No. 210704
LEASE OPERATOR/S	SHIPPER/COMPANY:	SHG	
LEASE NAME:	UA-d	- And	
TRANSPORTER COM	MPANY: HELDON	dez Trucking	TIME 10: 01 AM
DATE: 7-9-1	Z VEHICLE NO:	GENERA	TOR COMPANY MAN'S NAME: 1
CHARGE TO:	SUG		NAME D NUMBER
		TYPE OF MATERIAL	
	[] Production Water	[] Drilling Fluids	[] Rinsate
	[] Tank Bottoms	VI Contaminated Soil	[] Jet Out
	[] Solids	[] BS&W Content:	[] Call Out
Descriptio	n: ()	10	and the second
RRC or API #			C-133#
VOLUME OF MATE	RIAL []BBLS.	: XI YARD_/	2 : []
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P.O. Box 1737 Eunice, New Mex (575) 394-2511	CES, Inc.	TICKET No. 21075	2
LEASE OPERATOR/SHIPPER/COMPANY:	SUG		
LEASE NAME: 111A-4			
TRANSPORTER COMPANY: HEINAND	EZ Truck	TIME 1:54	AM/P
DATE: 7-9-12 VEHICLE NO: 1	GENERATOR	COMPANY A, Stall	ler
CHARGETO: SUG	RIG NAM AND NU		ζ
T	YPE OF MATERIAL		
[] Production Water	[] Drilling Fluids	[] Rinsate	
[] Tank Bottoms	XI Contaminated Soil	[] Jet Out	
[] Solids	[] BS&W Content:	[] Call Out	
Description:)		
RRC or API#		C-133#	
	Vinna 17	; []	
AS A CONDITION TO SUNDANCE SERVICE TICKET, OPERATOR/SHIPPER REPRESENTS AN		ATERIALS SHIPPED WITH TH	
AS A CONDITION TO SUNDANCE SERVICE	S, INC.'S ACCEPTANCE OF THE M ID WARRANTS THAT THE WASTE NSERVATION AND RECOVERY ACT ALTH AND SAF. CODE § 361.001 et ORDED DRILLING FLUIDS, PRODU	ATERIALS SHIPPED WITH TH MATERIAL SHIPPED HEREW OF 1976, AS AMENDED FROI seq., AND REGULATIONS RE JCED WATERS, AND OTHER	Vith IS Witime Lated Waste
AS A CONDITION TO SUNDANCE SERVICE TICKET, OPERATOR/SHIPPER REPRESENTS AN MATERIAL EXEMPT FROM THE RESOURCE, CON TO TIME, 40 U.S.C. § 6901, et seq., THE NM HE/ THERETO, BY VIRTUE OF THE EXEMPTION AFF ASSOCIATED WITH THE EXPLORATION, DEVE GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SERVI	S, INC.'S ACCEPTANCE OF THE MA ID WARRANTS THAT THE WASTE VSERVATION AND RECOVERY ACT ALTH AND SAF. CODE § 361.001 et ORDED DRILLING FLUIDS, PRODU LOPMENT OR PRODUCTION OF ICES, INC.'S ACCEPTANCE OF THE M D WARRANTS THAT ONLY T	ATERIALS SHIPPED WITH TH MATERIAL SHIPPED HEREW OF 1976, AS AMENDED FROM seq., AND REGULATIONS RE JCED WATERS, AND OTHER CRUDE OIL OR NATURAL G MATERIALS SHIPPED WITH TH HE MATERIAL DELIVERE	HTH IS M TIME LATED WASTE AS OR HIS JOB D BY
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P.O. Box 1737 Eunice, New Mexico (575) 394-2511	
	3
EASE NAME: /1/) /- 4	
RANSPORTER COMPANY: Hernande	Z TILICK TIME 3:21 AM/PN
ATE: 7-9-12 VEHICLE NO: 01	GENERATOR COMPANY MAN'S NAME: C. Storley
HARGETO: SLIG	RIG NAME AND NUMBER
TYP	PE OF MATERIAL
[] Production Water	[] Drilling Fluids [] Rinsate
[] Tank Bottoms	Contaminated Soil
[] Solids	[] BS&W Content: [] Call Out
Description:OID	
RRC or API #	C-133#
	1 10
TICKET, OPERATOR/SHIPPER REPRESENTS AND	: [] YARD 2
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AS A CONDITION TO SUNDANCE SERVICES, I TICKET, OPERATOR/SHIPPER REPRESENTS AND MATERIAL EXEMPT FROM THE RESOURCE, CONSE TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALT THERETO, BY VIRTUE OF THE EXEMPTION AFFOF ASSOCIATED WITH THE EXPLORATION, DEVELO GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SERVICE TICKET. TRANSPORTER REPRESENTS AND OPERATOR/SHIPPER TO TRANSPORTER IS NOW FACILITY FOR DISPOSAL.	INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS ERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME 'H AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED RDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE PMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR 'S, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB WARRANTS THAT ONLY THE MATERIAL DELIVERED BY 'DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S loaded the material represented by this Transporter Statement at the d by the above described shipper. This will certify that no additional
AS A CONDITION TO SUNDANCE SERVICES, I TICKET, OPERATOR/SHIPPER REPRESENTS AND MATERIAL EXEMPT FROM THE RESOURCE, CONSE TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALT THERETO, BY VIRTUE OF THE EXEMPTION AFFOF ASSOCIATED WITH THE EXPLORATION, DEVELO GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SERVICE TICKET. TRANSPORTER REPRESENTS AND OPERATOR/SHIPPER TO TRANSPORTER IS NOW FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Transporter above described location, and that it was tendered	INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS ERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME 'H AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED RDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE PMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR 'SS, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB WARRANTS THAT ONLY THE MATERIAL DELIVERED BY 'DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S loaded the material represented by this Transporter Statement at the d by the above described shipper. This will certify that no additional

P.O. Box 1737 Eunice, New M (575) 394-2511		TICKET No. 210738
LEASE OPERATOR/SHIPPER/COMPANY:	SUG	
LEASE NAME: 17 1 H - 4		
TRANSPORTER COMPANY: HEI DELKIE	= Truck	TIME/7:4/7 AM/P
DATE: 7-9-17 VEHICLE NO: 1		ENERATOR COMPANY C. Stanley
CHARGE TO: 5UG		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:	'D	
RRC or API #		C-133#
VOLUME OF MATERIAL []BBLS.	: X] YARD	12 : []
MATERIAL EXEMPT FROM THE RESOURCE, CO TO TIME, 40 U.S.C. § 6901, et seq., THE NM H THERETO, BY VIRTUE OF THE EXEMPTION A ASSOCIATED WITH THE EXPLORATION, DEV GEOTHERMAL ENERGY.	EALTH AND SAF, CODE § 361. FFORDED DRILLING FLUIDS, I	001 et seq., AND REGULATIONS RELATED PRODUCED WATERS, AND OTHER WASTE
ALSO AS A CONDITION TO SUNDANCE SEF TICKET. TRANSPORTER REPRESENTS A OPERATOR/SHIPPER TO TRANSPORTER IS I FACILITY FOR DISPOSAL.	ND WARRANTS THAT ON	NLY THE MATERIAL DELIVERED BY
THIS WILL CERTIFY that the above Transpo above described location, and that it was ten materials were added to this load, and that th	dered by the above described	shipper. This will certify that no additional
DRIVER:	Lec,	April 1997
FACILITY REPRESENTATIVE:	S. Sh A.	un
(SIGNATURE) White - Sundance	Canary - Sundance Acct #1	Pink - Transporter
	ARP ADVERTISING • 432-586-5401 • www.l	

(575) 394-2511	Aexico 88231	TICKET No. 210826
EASE OPERATOR/SHIPPER/COMPANY:	SUG	
EASE NAME: MA.4		State of the second second
RANSPORTER COMPANY: Hernond	toz Truck	TIME 9:45 AM/PM
DATE: 7-10-12 VEHICLE NO:		AN'S NAME R. Stralay
HARGE TO: SUG	RIG N/ AND N	AME IUMBER
	TYPE OF MATERIAL	
[] Production Water	[] Drilling Fluids	[] Rinsate
[] Tank Bottoms	Contaminated Soil	[] Jet Out
[] Solids	[] BS&W Content:	[] Call Out
Description:	lb di	
RRC or API #		C-133#
AS A CONDITION TO SUNDANCE SERV TICKET, OPERATOR/SHIPPER REPRESENTS MATERIAL EXEMPT FROM THE RESOURCE, C	AND WARRANTS THAT THE WAST	E MATERIAL SHIPPED HEREWITH IS T OF 1976, AS AMENDED FROM TIME
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THE .	P.O. Box 1737 Eunice, New N (575) 394-2511	Aexico 88231	TICKET No. 210843
EASE OPERATOR/S		IG	and the second second second
EASE NAME:	1A-4		
RANSPORTER CON	MPANY: HEY MONO	1+2 TILICK	TIME / / ; /2(AM/
DATE-10-1	and the second	and the second se	MAN'S NAME C, STARLEL
HARGE TO:	SILG		IG NAME IND NUMBER
	200		
		TYPE OF MATERIAL	
	[] Production Water	[] Drilling Fluids	[] Rinsate
	[] Tank Bottoms	Contaminated Soil	[] Jet Out
	[] Solids	[] BS&W Content:	[] Call Out
Description	n: ()	10	and the second
RC or API #	Contraction of the Contraction o		C-133#
			2_: []
AS A COND TICKET, OPERA MATERIAL EXE/ TO TIME, 40 U.S THERETO, BY V ASSOCIATED W GEOTHERMAL ALSO AS A CO TICKET. TRAN OPERATOR/SHI FACILITY FOR E	ATTION TO SUNDANCE SERVI- TOR/SHIPPER REPRESENTS / MPT FROM THE RESOURCE, C S.C. § 6901, et seq., THE NM H IRTUE OF THE EXEMPTION A VITH THE EXPLORATION, DE ENERGY. ONDITION TO SUNDANCE SER SPORTER REPRESENTS A IPPER TO TRANSPORTER IS DISPOSAL.	CES, INC.'S ACCEPTANCE OF TI AND WARRANTS THAT THE W ONSERVATION AND RECOVERY HEALTH AND SAF. CODE § 361.0 OFFORDED DRILLING FLUIDS, P VELOPMENT OR PRODUCTION RVICES, INC.'S ACCEPTANCE OF IND WARRANTS THAT ON NOW DELIVERED BY TRANSPO	<u></u>

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P.O. Box 1737 Eunice, New M (575) 394-2511	VICES, Inc.	TICKET No. 210844
EASE OPERATOR/SHIPPER/COMPANY: 5	liG	Maria and Andrea Providence
EASE NAME: MA-4		
RANSPORTER COMPANY: Basin ?	Enclie.	TIME 1 12 AM/PA
DATE: 7-16-12 VEHICLE NO: 5		ANSNAME C. Starley
HARGE TO: SUG	RIG NAJ AND NI	
	TYPE OF MATERIAL	
[] Production Water	[] Drilling Fluids	[] Rinsate
[] Tank Bottoms	KI Contaminated Soil	[] Jet Out
[] Solids	[] BS&W Content:	[] Call Out
Description:	D	
RRC or API#		C-133#
	1 13	Contraction of the second s
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P.O. Box 1737 Eunice, New M (575) 394-2511	VICES, Inc.	TICKET No. 210825
LEASE OPERATOR/SHIPPER/COMPANY:	SUG	
LEASE NAME: 117-4		
TRANSPORTER COMPANY:	Enviros	TIME 9:47 AM/PM
DATE: 7-10-12 VEHICLE NO:		DR COMPANY A, Stanley
CHARGE TO: 511 G	RIG NJ AND 1	
	TYPE OF MATERIAL	
[] Production Water	[] Drilling Fluids	[] Rinsate
[] Tank Bottoms	X] Contaminated Soil	[] Jet Out
[] Solids	[] BS&W Content:	[] Call Out
Description:	D	
		C-133#
RRC or API #		C-133#
VOLUME OF MATERIAL [] BBLS		
	CES, INC'S ACCEPTANCE OF THE M AND WARRANTS THAT THE WAST ONSERVATION AND RECOVERY AC HEALTH AND SAF. CODE § 361.001 (IFFORDED DRILLING FLUIDS, PROD	MATERIALS SHIPPED WITH THIS JOB E MATERIAL SHIPPED HEREWITH IS T OF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE
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III (575) 394		TICKET No. 210847
EASE OPERATOR/SHIPPER/COMPANY:	SILG	And Alexandre
LEASE NAME: 1174 - 4		
TRANSPORTER COMPANY:	The Sparie	TIME/1:72 AM/PM
DATE: 7-70-12 VEHICLE NO:		ANSNAME C. Stonland
CHARGE TO: SUG	RIG NA AND N	ME ()
	TYPE OF MATERIAL	
[] Production Water		[] Rinsate
[] Tank Bottoms	K] Contaminated Soil	[] Jet Out
[] Solids	[] BS&W Content:	[] Call Out
Description:	UD	
RRC or API #		C-133#
	SERVICES, INC'S ACCEPTANCE OF THE MATTERNAL	MATERIALS SHIPPED WITH THIS JOB
AS A CONDITION TO SUNDANCE S TICKET, OPERATOR/SHIPPER REPRESE MATERIAL EXEMPT FROM THE RESOUR TO TIME, 40 U.S.C. § 6901, et seq., THE THERETO, BY VIRTUE OF THE EXEMPTI ASSOCIATED WITH THE EXPLORATION GEOTHERMAL ENERGY.	SERVICES, INC'S ACCEPTANCE OF THE M ENTS AND WARRANTS THAT THE WASTE RCE, CONSERVATION AND RECOVERY ACT NM HEALTH AND SAF. CODE § 361.001 e ION AFFORDED DRILLING FLUIDS, PROD N, DEVELOPMENT OR PRODUCTION OF	AATERIALS SHIPPED WITH THIS JOB MATERIAL SHIPPED HEREWITH IS OF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED UCED WATERS, AND OTHER WASTE CRUDE OIL OR NATURAL GAS OR
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P.O. Box 1737 Eunice, New (575) 394-251		TICKET No. 210827
EASE OPERATOR/SHIPPER/COMPANY:	SUG	
EASE NAME: MA-4		
RANSPORTER COMPANY: Pro un	Sullic	TIME 9:58 AM/PM
DATE: 7-10-12 VEHICLE NO:	the second s	MAN'S NAME: C. Stalley
CHARGE TO: 511 G		
Sector of the sector	TYPE OF MATERIAL	
[] Production Water	[] Drilling Fluids	[] Rinsate
[] Tank Bottoms	Contaminated Soil	[] Jet Out
[] Solids	[] BS&W Content:	[] Call Out
Description:	>/D	
RRC or API #	and the second second	C-133#
A MARK STRATEGIC AND A ST	1	the second s
AS A CONDITION TO SUNDANCE SERV		
AS A CONDITION TO SUNDANCE SERV TICKET, OPERATOR/SHIPPER REPRESENTS MATERIAL EXEMPT FROM THE RESOURCE, TO TIME, 40 U.S.C. § 6901, et seq., THE NM THERETO, BY VIRTUE OF THE EXEMPTION ASSOCIATED WITH THE EXPLORATION, D	VICES, INC.'S ACCEPTANCE OF THE 5 AND WARRANTS THAT THE WAS CONSERVATION AND RECOVERY AC 1 HEALTH AND SAF. CODE § 361.001 AFFORDED DRILLING FLUIDS, PRO	MATERIALS SHIPPED WITH THIS JOB TE MATERIAL SHIPPED HEREWITH IS CT OF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE
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	SERVICES, Inc. ice, New Mexico 88231 394-2511	TICKET No. 211685
EASE OPERATOR/SHIPPER/COMPANY	: 110	
EASENAME: MAR 4		
RANSPORTER COMPANY:	SAN ENVIRON	TIME 4:17 AM/P
DATE: 1/10/2012 VEHICLEN	IO: E	ERATOR COMPANY MAN'S NAME:
CHARGE TO:		RIG NAME AND NUMBER
	TYPE OF MATERIAL	
[] Production W	/ater [] Drilling Fluids	[] Rinsate
[] Tank Bottoms		[] Jet Out
[] Solids	[] BS&W Content:	[] Call Out
Description:	Id.	
RRC or API#		C-133#
		and the second se
TICKET, OPERATOR/SHIPPER REPI	RESENTS AND WARRANTS THAT THE W	HE MATERIALS SHIPPED WITH THIS JOB
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	P.O. Box 1737 Eunice, New M (575) 394-2511	1exico 8823 I	TICKET No. 211658
EASE OPERATOR	R/SHIPPER/COMPANY:	SHA	
EASE NAME:	MAU		
RANSPORTER CO	OMPANY: Page	Six Environ	TIME 3:04 AMA
DATE: 1/10	2012 VEHICLE NO:		AAN'S NAME: C Stanley
HARGE TO:	SUG	RIG N/ AND N	IUMBER
		TYPE OF MATERIAL	
	[] Production Water	[] Drilling Fluids	[] Rinsate
	[] Tank Bottoms	Contaminated Soil	[] Jet Out
	[] Solids	[] BS&W Content:	[] Call Out
Descript	tion:	10	
RC or API #			C-133#
AS A CO	NDITION TO SUNDANCE SERVI		ATERIALS SHIPPED WITH THIS JOB
AS A CO TICKET, OPE MATERIAL E TO TIME, 40 THERETO, B ASSOCIATEL GEOTHERM, ALSO AS A TICKET. TR	NDITION TO SUNDANCE SERVI ERATOR/SHIPPER REPRESENTS XEMPT FROM THE RESOURCE, O U.S.C. § 6901, et seq., THE NM I Y VIRTUE OF THE EXEMPTION A D WITH THE EXPLORATION, DE AL ENERGY. A CONDITION TO SUNDANCE SE EANSPORTER REPRESENTS A	ICES, INC'S ACCEPTANCE OF THE M AND WARRANTS THAT THE WAST CONSERVATION AND RECOVERY AC HEALTH AND SAF. CODE § 361.001 AFFORDED DRILLING FLUIDS, PROE EVELOPMENT OR PRODUCTION OF RVICES, INC'S ACCEPTANCE OF THE AND WARRANTS THAT ONLY	MATERIALS SHIPPED WITH THIS JOB E MATERIAL SHIPPED HEREWITH IS T OF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE CRUDE OIL OR NATURAL GAS OR MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY
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P.O. Box 1737 Eunice, New M (575) 394-2511		TICKET No. 211634
EASE OPERATOR/SHIPPER/COMPANY:	IG	
EASE NAME: MAY		
RANSPORTER COMPANY:	Enero.	TIME AMEN
ATE: 7/10/2012 VEHICLE NO: 8		DR COMPANY ULT SHOULD
HARGE TO: SUG	RIG NJ AND N	AME NUMBER
	TYPE OF MATERIAL	
[] Production Water	[] Drilling Fluids	[] Rinsate
[] Tank Bottoms	Contaminated Soil	[] Jet Out
[] Solids	[] BS&W Content:	[] Call Out
Description:O/1_	1	<u></u>
RC or API #		C-133#
VOLUME OF MATERIAL [] BBLS	: YI YARD	2 : []
MATERIAL EXEMPT FROM THE RESOURCE, C TO TIME, 40 U.S.C. § 6901, et seq., THE NM H THERETO, BY VIRTUE OF THE EXEMPTION A ASSOCIATED WITH THE EXPLORATION, DE GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SEI TICKET. TRANSPORTER REPRESENTS A OPERATOR/SHIPPER TO TRANSPORTER IS FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Transp above described location, and that it was ten	HEALTH AND SAF. CODE § 361.001 (FFORDED DRILLING FLUIDS, PROD VELOPMENT OR PRODUCTION OF RVICES, INC.'S ACCEPTANCE OF THE IND WARRANTS THAT ONLY NOW DELIVERED BY TRANSPORT orter loaded the material represented indered by the above described shipp	et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE F CRUDE OIL OR NATURAL GAS OR MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY TER TO SUNDANCE SERVICES, INC.'S ed by this Transporter Statement at the per. This will certify that no additional
materials were added to this load, and that t	he material was delivered without ir	ncident.
	Roman	

	TICKET No. 211602
SUG	
Fame	TIME 1230 (AM/PM
GENERA	TOR COMPANY MAN'S NAME
	NAME D NUMBER
TYPE OF MATERIAL	
[] Drilling Fluids	[] Rinsate
Contaminated Soil	[] Jet Out
[] BS&W Content:	[] Call Out
<u>o en </u>	
	C-133#
: 1 YARD	2: []
HEALTH AND SAF. CODE § 361.00	
ERVICES, INC.'S ACCEPTANCE OF TH AND WARRANTS THAT ONLY S NOW DELIVERED BY TRANSPOR	DDUCED WATERS, AND OTHER WASTE DF CRUDE OIL OR NATURAL GAS OR HE MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY RTER TO SUNDANCE SERVICES, INC.'S
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	Mexico 88231 1 GENERA GENERA I

P.O. Box 1737 Eunice, New Mex (575) 394-2511	CES, Inc. ico 88231	TICKET No. 211593
LEASE OPERATOR/SHIPPER/COMPANY:	IG	
LEASE NAME: MAL		
TRANSPORTER COMPANY:	F MARD	TIME AM/PN
DATE: 1/14/2012 VEHICLE NO:		OR COMPANY
CHARGE TO: JUC	RIG N AND	AME VUMBER
т	YPE OF MATERIAL	
[] Production Water	[] Drilling Fluids	[] Rinsate
[] Tank Bottoms	V-1 Contaminated Soil	[] Jet Out
[] Solids	[] BS&W Content:	[] Call Out
Description:		
RRC or API#		C-133#
VOLUME OF MATERIAL [] BBLS	_: 1 YARD	2_: []
TICKET ODERATOR/SHIDDER DEDRESENTS AN		
MATERIAL EXEMPT FROM THE RESOURCE, CO TO TIME, 40 U.S.C. § 6901, et seq., THE NM HE THERETO, BY VIRTUE OF THE EXEMPTION AFI ASSOCIATED WITH THE EXPLORATION, DEVI GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SERV TICKET. TRANSPORTER REPRESENTS AN	NSERVATION AND RECOVERY AC ALTH AND SAF. CODE § 361.001 FORDED DRILLING FLUIDS, PRO ELOPMENT OR PRODUCTION O /ICES, INC.'S ACCEPTANCE OF TH ID WARRANTS THAT ONLY	et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE F CRUDE OIL OR NATURAL GAS OR E MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY
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MATERIAL EXEMPT FROM THE RESOURCE, CO TO TIME, 40 U.S.C. § 6901, et seq., THE NM HE THERETO, BY VIRTUE OF THE EXEMPTION AFT ASSOCIATED WITH THE EXPLORATION, DEVE GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SERV TICKET. TRANSPORTER REPRESENTS AN OPERATOR/SHIPPER TO TRANSPORTER IS N FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Transpor above described location, and that it was tend materials were added to this load, and that the DRIVER:	NSERVATION AND RECOVERY AC ALTH AND SAF. CODE § 361.001 FORDED DRILLING FLUIDS, PRO ELOPMENT OR PRODUCTION O VICES, INC.'S ACCEPTANCE OF TH ID WARRANTS THAT ONLY OW DELIVERED BY TRANSPOR ter loaded the material represent lered by the above described ship	T OF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE F CRUDE OIL OR NATURAL GAS OR E MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY TER TO SUNDANCE SERVICES, INC.'S ed by this Transporter Statement at the per. This will certify that no additional

(575) 394-251	Mexico 88231 I	TICKET No. 21156	
LEASE OPERATOR/SHIPPER/COMPANY:	1A		
LEASE NAME: MA - 4			
TRANSPORTER COMPANY:	Fritten		AM/PM
DATE: 1/10/2012 VEHICLE NO:	GENE	MAN'S NAME	die
CHARGE TO:		g NAME ND NUMBER	
	TYPE OF MATERIAL	P	
[] Production Water	[] Drilling Fluids	[] Rinsate	
[] Tank Bottoms	Contaminated Soil	[] Jet Out	
[] Solids	BS&W Content:	[] Call Out	
Description:			_
		C-133#	1.00
RRC or API #		C-135#	
AS A CONDITION TO SUNDANCE SERVITICKET, OPERATOR/SHIPPER REPRESENTS	AND WARRANTS THAT THE W	E MATERIALS SHIPPED WITH THI ASTE MATERIAL SHIPPED HEREW	TH IS
AS A CONDITION TO SUNDANCE SERV	VICES, INC'S ACCEPTANCE OF TH AND WARRANTS THAT THE WA CONSERVATION AND RECOVERY HEALTH AND SAF. CODE § 361.0 AFFORDED DRILLING FLUIDS, P EVELOPMENT OR PRODUCTION	E MATERIALS SHIPPED WITH THE ASTE MATERIAL SHIPPED HEREWI ACT OF 1976, AS AMENDED FROM 01 et seq., AND REGULATIONS REL RODUCED WATERS, AND OTHER V 1 OF CRUDE OIL OR NATURAL G/	th IS Itime Ated Vaste As or
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VOLUME OF MATERIAL [] BBLS. AS A CONDITION TO SUNDANCE SERV TICKET, OPERATOR/SHIPPER REPRESENTS MATERIAL EXEMPT FROM THE RESOURCE, TO TIME, 40 U.S.C. § 6901, et seq., THE NM THERETO, BY VIRTUE OF THE EXEMPTION ASSOCIATED WITH THE EXPLORATION, D GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE S TICKET. TRANSPORTER REPRESENTS OPERATOR/SHIPPER TO TRANSPORTER IS FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Trans above described location, and that it was to materials were added to this load, and that	VICES, INC'S ACCEPTANCE OF TH AND WARRANTS THAT THE WA CONSERVATION AND RECOVERY HEALTH AND SAF. CODE § 361.0 AFFORDED DRILLING FLUIDS, P VEVELOPMENT OR PRODUCTION ERVICES, INC'S ACCEPTANCE OF AND WARRANTS THAT ON S NOW DELIVERED BY TRANSPO Sporter loaded the material represe rendered by the above described s	Ented by this Transporter Statement his material shipped with the ACT OF 1976, AS AMENDED FROW 01 et seq., AND REGULATIONS REL RODUCED WATERS, AND OTHER V 1 OF CRUDE OIL OR NATURAL G/ THE MATERIALS SHIPPED WITH TH LY THE MATERIAL DELIVERED DRTER TO SUNDANCE SERVICES,	TH IS ITIME ATED VASTE AS OR IS JOB D BY INC:S

P.O. Box 1737 Eunice, New (575) 394-251		TICKET No. 211591
EASE OPERATOR/SHIPPER/COMPANY:	116-	
EASE NAME: MAY		
RANSPORTER COMPANY:	Mary erz market	TIME 1:08 AM
DATE: 111/2012 VEHICLE NO:	GENERA	TOR COMPANY MAN'S NAME
CHARGE TO: SUG		NAME D NUMBER
	TYPE OF MATERIAL	
[] Production Water	[] Drilling Fluids	[] Rinsate
[] Tank Bottoms	Contaminated Soil	[] Jet Out
[] Solids	[] BS&W Content:	[] Call Out
Description:	1	
RRC or API#		C-133#
AS A CONDITION TO SUNDANCE SERV TICKET, OPERATOR/SHIPPER REPRESENTS	AND WARRANTS THAT THE WAS	TE MATERIAL SHIPPED HEREWITH IS
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P.O. Box 1737 Eunice, New J (575) 394-2511		TICKET No. 211601
LEASE OPERATOR/SHIPPER/COMPANY:	SUG	
LEASE NAME: MARY		
TRANSPORTER COMPANY:	nd (Z	TIME 2 AM/PI
DATE: 1/14/2012 VEHICLE NO:	GENERATO	AN'S NAME C. Stallar
CHARGETO: SUG	RIG NAI AND N	
	TYPE OF MATERIAL	
[] Production Water	[] Drilling Fluids	[] Rinsate
[] Tank Bottoms	1 Contaminated Soil	[] Jet Out 🦿
[] Solids	[] BS&W Content:	[] Call Out
Description:C/1	3	
RRC or API#		C-133#
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P.O. Box 1737 Eunice, New Mi (575) 394-2511	TIPVET NA
EASE OPERATOR/SHIPPER/COMPANY:	16-1
EASE NAME: MA 4	
RANSPORTER COMPANY:	TIME 142 AM/P
DATE: YUJZUT VEHICLE NO:	GENERATOR COMPANY MAN'S NAME
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: (1)	
RRC or API #	C-133#
	ES, INC'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB
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P.O. Box 1737 Eunice, New M (575) 394-2511	ICES, Inc.	TICKET No. 211686
LEASE OPERATOR/SHIPPER/COMPANY:		
LEASE NAME:		
TRANSPORTER COMPANY:	Selection of the	TIME 4 7 AM/P
DATE: VEHICLE NO:		R COMPANY
CHARGE TO:	RIG N. AND 1	ME
	TYPE OF MATERIAL	
[] Production Water	[] Drilling Fluids	[] Rinsate
[] Tank Bottoms	[1] Contaminated Soil	[] Jet Out
[] Solids	[] BS&W Content:	[] Call Out
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RRC or API #		C-133#
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Re-order from: TOTALLY SHARP ADVERTISING - 432-585-5401 - www.PromoSupermarket.com

LEASE OPERATOR/SHIPPER/COMPANY: SIG LEASE NAME: MA 4 TRANSPORTER COMPANY: Hermonde 7 DATE: 1142012 VEHICLE NO: CHARGE TO: 5116	GENERATOR COMPANY MAN'S NAME
TRANSPORTER COMPANY: Hermande Z	GENERATOR COMPANY
DATE: 1/14/2012 VEHICLE NO:	GENERATOR COMPANY
114/2/2	
HARGE TO: 511G	
	RIG NAME AND NUMBER
TYPE OF MATER	IAL
[] Production Water [] Drilling Fluid	ds [] Rinsate
[] Tank Bottoms [] Contaminate	
[] Solids [] BS&W Conte	ent: [] Call Out
Description:	
RRC or API #	C-133#
VOLUME OF MATERIAL []BBLS. :	/ARD_12_: []
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	al represented by this Transporter Statement at the
THIS WILL CERTIFY that the above Transporter loaded the materia above described location, and that it was tendered by the above de materials were added to this load, and that the material was delivered	scribed shipper. This will certify that no additional
above described location, and that it was tendered by the above de	scribed shipper. This will certify that no additional
above described location, and that it was tendered by the above described was delivered and that the material was delivered by the above described by the above described was delivered by the above described	scribed shipper. This will certify that no additional

APPENDIX E

Release Notification and Corrective Action (Form C-141)

District
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 C 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

HOBBS OCD

Form C-141 Revised October 10, 2003 DEC 0 1 2011

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

Release Notification and Corrective Action

		OPERATOR	\boxtimes	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 Pipelin	e		

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 Yes Lea Lea Lea	
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Latitude 32 degrees 13.691' North Longitude 103 degrees 10.564 West

NATURE OF RELEASE

Date and Hour of Occurrence Unknown If YES, To Whom?	Date and Hour of Discovery November 16, 2011 – 1430 hours
If YES, To Whom?	
d Geoffrey Leking - NMOCD Hob	bs District Office
Date and Hour November 17, 20	011 - 1545 hours
If YES, Volume Impacting the W	atercourse
o internal corrosion of the pipeline, res hut in. Heavily saturated soil was scrap segment was slip lined with poly pipe	sulting in a release of natural gas, crude oil ped and placed on plastic adjacent to the
	be remediated according to NMOCD
notifications and perform corrective a he NMOCD marked as "Final Report"	ctions for releases which may endanger does not relieve the operator of liability ground water, surface water, human health
	VATION DIVISION
Approved by District Supervisor:	Stall Selving
Approval Date. 1201/11	Expiration Date: 02/01/12_
Conditions of Approval: SUBM	
in the second	If YES, Volume Impacting the We or internal corrosion of the pipeline, res- but in. Heavily saturated soil was scrap regiment was slip lined with poly pipe ited to a caliche road. The release will the best of my knowledge and underst motifications and perform corrective an the NMOCD marked as "Final Report" te contamination that pose a threat to does not relieve the operator of respon <u>OIL CONSER</u> ENV SPECIALIS Approved by District Supervisor :

* Attach Additional Sheets If Necessary