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

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

#### **Release Notification and Corrective Action**

		OPE	RATOR		Initial Report	🔀 Final Report
Name of Company	Southern Union (	Gas Services, Ltd.	Contact			Rose Slade
Address	801 S. Loop 464, Mona	hans, TX, 79756	Telephone No.			432-940-5147
Facility Name: Pipe	line #101	(RP-2677)	Facility Type		Natur	ral Gas Gathering
Surface Owner Cra	awford	Mineral Owner		Lea	ase No. 30-025-3	38822
		LOCATIO				

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
Р	20	24S	37E					Lea

Latitude N32 degrees 11.749'

Longitude W103 degrees 10.788'

NATURE OF RELEASE

Type of Release Crude Oil, Produced Water and Natural Gas	Volume of Release: 7BBLS	Volume Recovered: 4 BBLS
Source of Release 16-Inch Steel Pipeline	Date and Hour of Occurrence January 25, 2011 – Time Unknown	Date and Hour of Discovery January 25, 2011 – approximately 1200 hrs
Was Immediate Notice Given?	If YES, To Whom?	
By Whom? Curt Stanley	Date and Hour:	HOBBS OCD
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	ercourse.
Yes X No		AUG 2 3 2013
If a Watercourse was Impacted, Describe Fully.*		

Describe Cause of Problem and Remedial Action Taken:

Describe Cause of Problem and Remedial Action Taken: A sixteen (16) inch diameter low pressure steel pipeline developed a leak, most likely due to internal corrosion. A vacuum truck was called to recover free standing fluids from the ground surface. Following the excavation of the pipeline, a temporary pipeline clamp was utilized to mitigate the release. Following the initial response activities, the excavation was backfilled due to the proximately of the release to a county road. Permanent pipeline repairs will be made.

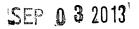
Describe Area Affected and Cleanup Action Taken.

The release affected an area measuring approximately 1,700 square feet. The release will be remediated per NMOCD regulatory guidelines following the completion of permanent pipeline repair activities.

Between February 28, and March 8 2013, approximately 408 yd<sup>3</sup> of impacted material was excavated from the location. The final dimensions of the excavation were approximately 45' x 15'. Soil samples collected from the excavation floor and sidewalls indicated concentrations of Benzene, BTEX, TPH and chloride were less than NMOCD Regulatory Standards. Please see the attached Basin Environmental Services Technologies Remediation Summary and Site Closure Request for details of remedial activities and the site investigation.

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: X of the Printed Name: Phillip Little	OIL CONSERVATION	DIMISION Specialist
Title: EHS Compliance Specialist	Approval Date: 9313 Expiration D	
E-mail Address: Phillip.Little@SUG.com	Conditions of Approval:	
Date: 8/23/13 Phone: 575-631-2586		IRP-01-11-2677



## 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

ŵ Effective Solutions

#### **REMEDIATION SUMMARY &**

#### SITE CLOSURE REQUEST

#### SOUTHERN UNION GAS SERVICES LINE #101 Lea County, New Mexico Unit Letter "P" (SE/SE), Section 20, Township 24 South, Range 37 East Latitude 32.19642° North, Longitude 103.17897° West NMOCD Reference # 1RP-2677

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

May 2013

Lowry Project Manager

HOBBS OCD JUN 1.9 2013 RECEIVED

1.0	INTRODUCTION & BACKGROUND INFORMATION	1
2.0	NMOCD SITE CLASSIFICATION	1
	SUMMARY OF SOIL REMEDIATION ACTIVITIES	
4.0	QA/QC PROCEDURES	
	4.1 Soil Sampling	3
	4.2 Decontamination of Equipment	3
	4.3 Laboratory Protocol	3
5.0	SITE CLOSURE REQUEST	3
6.0	LIMITATIONS	4
7.0	DISTRIBUTION	5

#### FIGURES

Figure 1 – Site Location Map Figure 2 – Site & Sample Location Map

#### **TABLES**

Table 1 - Concentrations of Benzene, BTEX, TPH & Chloride in Soil

#### **APPENDICES**

Appendix A – Photographs

Appendix B – Laboratory Analytical Reports

Appendix C – Disposal Manifests

Appendix D – Release Notification and Corrective Action (Form C-141)

#### 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 Line #101 Historical. The legal description of the release site is Unit Letter "P" (SE/SE), Section 20, Township 24 South, Range 37 East, in Lea County, New Mexico. The geographic coordinates of the release site are 32.19642° North latitude and 103.17897° West longitude. The property affected by the release is owned by Mr. Crawford. Please reference Figure 1 for a "Site Location Map". General photographs of the release site are provided as Appendix A.

On January 25, 2011, Southern Union discovered a release had occurred on the Line #101 pipeline. The "Release Notification and Corrective Action Form" (Form C-141) indicated failure of a section of sixteen-inch (16") low-pressure pipeline resulted in the release of approximately seven barrels (7 bbls) of crude oil. During initial response activities a vacuum truck was utilized to recover approximately four barrels (4 bbls) of free standing fluid. The release was reported to the New Mexico Oil Conservation Division (NMOCD) Hobbs District Office on January 28, 2011. The initial C-141 indicated the release affected an area measuring approximately one thousand, seven hundred square feet (1,700 ft<sup>2</sup>). General photographs of the release site are provided as Appendix A. The Form C-141 is provided as Appendix D.

#### 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 not available for Section 23, Township 23 South, Range 36 East. An NMOCD Representative indicated the depth to groundwater is approximately one hundred and fifty feet (150') bgs on the initial Form C-141. Based on the NMOCD ranking system, zero (0) 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 Line #101 Historical Release Site has an initial ranking score of zero (0) points. The soil remediation levels for a site with a ranking score of zero (0) points are as follows:

- Benzene -10 mg/Kg (ppm)
- Benzene, toluene, ethylbenzene and xylene (BTEX) 50 mg/Kg (ppm)
- Total petroleum hydrocarbons (TPH) 5,000 mg/Kg (ppm)

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

#### 3.0 SUMMARY OF SOIL REMEDIATION ACTIVITIES

On February 6, 2013, Basin began delineation activities at the release site. A test trench was advanced within the stained area to approximately ten feet (10') bgs. During the advancement of the test trench, three (3) soil samples (TT-1 @ 6', TT-1 @ 8' and TT-1 @ 10') were collected and submitted to Xenco Laboratories Inc., of Odessa, Texas for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX concentrations were less than the appropriate laboratory method detection limit (MDL) for each of the submitted soil samples. Analytical results indicated TPH concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples with the exception of TT-1 @ 8', which had a concentration of 26.5 mg/Kg. Chloride concentrations ranged from 1.63 mg/Kg for soil sample TT-1 @ 10' to 8.79 mg/Kg for soil sample TT-1 @ 6'. 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 B.

On February 28, 2013, 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 suggested concentrations of chloride and TPH were less than NMOCD regulatory remediation action levels established for the site. Impacted material was stockpiled on-site pending final disposition.

On March 1, 2013, one (1) soil sample (Floor @ 15') was collected from the excavation floor and submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated soil sample Floor @ 15' exhibited a BTEX concentration of 0.0200, a TPH concentration of less than the laboratory MDL and a chloride concentration of less than the laboratory MDL.

On March 6, 2013, six (6) soil samples (South East SW, South West SW, East SW Middle, North West SW, North East SW and West SW Middle) were collected from the sidewalls of the excavation and submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples. Analytical results indicated TPH concentrations ranged from less that the appropriate laboratory MDL for soil samples East SW Middle and West SW Middle to 96.7 mg/Kg for soil sample North West SW. Chloride concentrations ranged from less than the appropriate laboratory MDL for soil samples East SW Middle and West SW Middle to 8.97 mg/Kg for soil sample North East SW. BTEX, TPH and chloride concentrations were less than NMOCD regulatory remediation action levels for each of the submitted soil samples.

On March 26, 2013, on receiving approval from the NMOCD, Basin began backfilling the excavation with locally purchased, non-impacted material. Excavation backfill was compacted in twelve-inch lifts and contoured to fit the surrounding topography. The final dimensions of the

excavation were approximately forty-five feet (45') in length, fifteen feet (15') in width, and approximately fourteen feet (14') in depth.

Between February 28, and March 8, 2013, approximately 408 yd<sup>3</sup> of impacted material was hauled to Sundance Services Inc. (NMOCD Permit #NM-01-0003), for disposal. Copies of disposal manifests are provided as Appendix C.

#### 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 Line #101 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 Line #101 Historical 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.

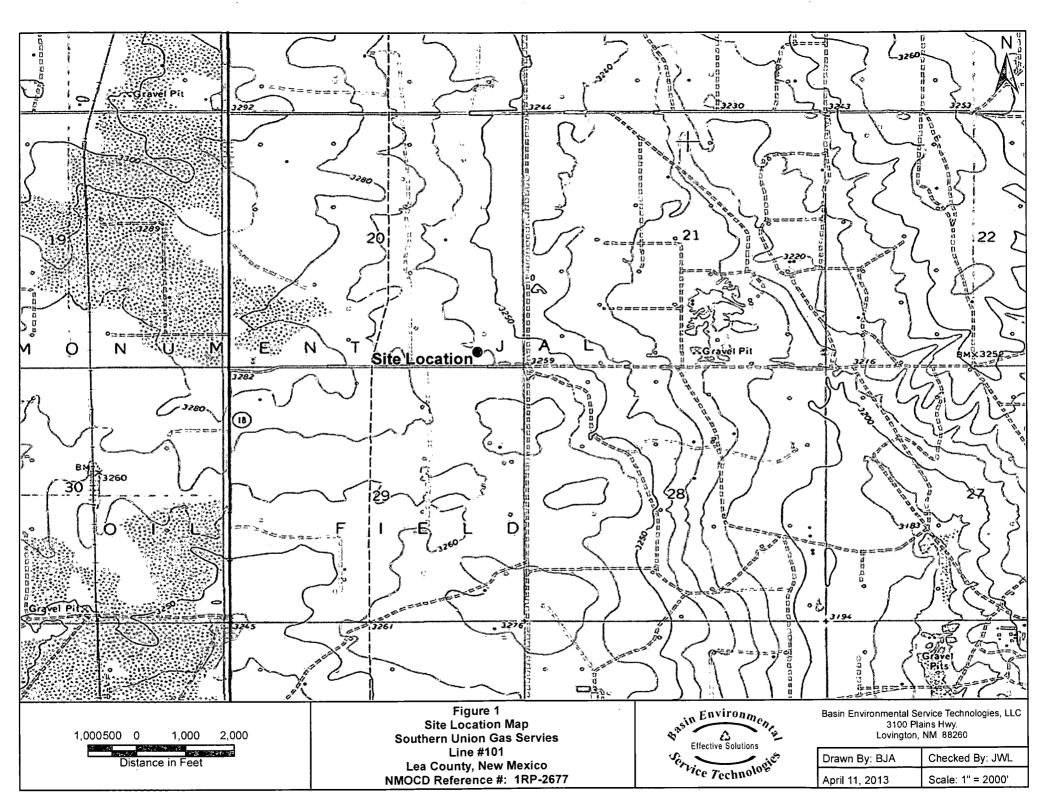
This report has been prepared for the benefit of Southern Union Gas Services. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Basin Environmental Service Technologies, LLC, and/or Southern Union Gas Services.

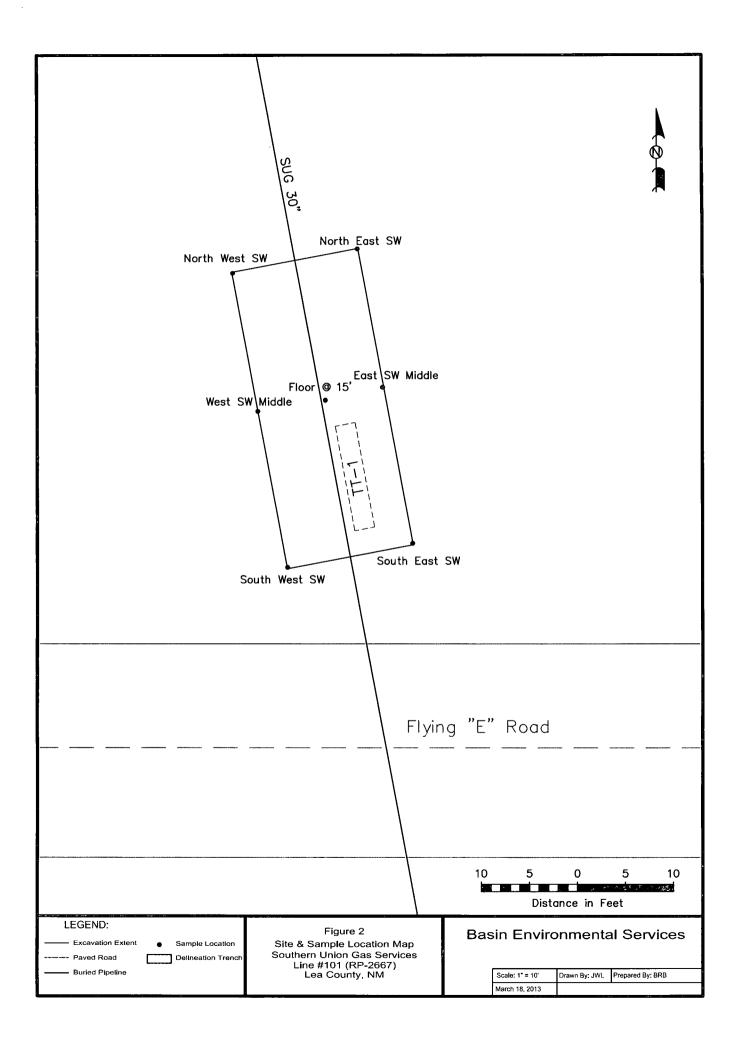
#### 7.0 DISTRIBUTION:

- 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 Southern Union Gas Services 801 S. Loop 464 Monahans, Texas 79756 rose.slade@sug.com
- Copy 3: Basin Environmental Service Technologies, LLC P.O. Box 301 Lovington, New Mexico 88260

## **FIGURES**

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# TABLES

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#### TABLE 1

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

#### SOUTHERN UNION GAS SERVICES LINE #101 HISTORICAL RELEASE SITE LEA COUNTY, NEW MEXICO NMOCD REF# 1RP-2677

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C₅-C₁₂ (mg/Kg)	DRO C <sub>12</sub> -C <sub>28</sub> (mg/Kg)	ORO C <sub>28</sub> -C <sub>35</sub> (mg/Kg)	TOTAL TPH C <sub>6</sub> -C <sub>28</sub> (mg/Kg)	CHLORIDE (mg/Kg)
TT-1 @ 6'	6'	2/6/2013	Excavated	<0.00137	<0.00273	<0.00137	<0.00273	< 0.00273	<20.5	<20.5	<20.5	<20.5	8.79
TT-1 @ 8'	8'	2/6/2013	Excavated	<0.00106	< 0.00213	<0.00106	< 0.00213	< 0.00213	<16.0	26.5	<16.0	26.5	3.65
TT-1 @ 10'	10'	2/6/2013	Excavated	< 0.00133	<0.00267	<0.00133	<0.00267	< 0.00267	<20.0	<20.0	<20.0	<20.0	1.63
													•
Floor @ 15'	15'	3/1/2013	In-Situ	< 0.00109	<0.00218	0.00323	0.0168	0.0200	<16.5	<16.5	<16.5	<16.5	<4.00
· · · · · · · · · · · · · · · · · · ·						· · · · · · · · · · · · · · · · · · ·		•		,	· ·		
South East SW	15'	3/6/2013	In-Situ	< 0.00134	<0.00269	<0.00134	<0.00269	<0.00269	<20.1	29.9	<20.1	29.9	4.34
South West SW	15'	3/6/2013	In-Situ	<0.00137	<0.00273	<0.00137	<0.00273	<0.00273	<20.6	27.2	<20.6	27.2	3.26
East SW Middle	15'	3/6/2013	In-Situ	< 0.00143	<0.00286	< 0.00143	<0.00286	<0.00286	<21.5	<21.5	<21.5	<21.5	<2.00
North West SW	14'	3/6/2013	In-Situ	< 0.00113	<0.00227	<0.00113	<0.00227	<0.00227	<17.1	96.7	<17.1	96.7	8.16
North East SW	14'	3/6/2013	In-Situ	<0.00135	<0.00270	<0.00135	<0.00270	<0.00270	<20.3	50.7	<20.3	50.7	8.97
West SW Middle	15'	3/6/2013	In-Situ	<0.00129	<0.00257	<0.00129	<0.00257	<0.00257	<19.3	<19.3	<19.3	<19.3	<2.00
NMOCD Standard	<u>.</u>			10			· · · · · · · · · · · · · · · · · · ·	50				1,000	500

- = Not analyzed.

## APPENDICES

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## **APPENDIX A**

Photographs



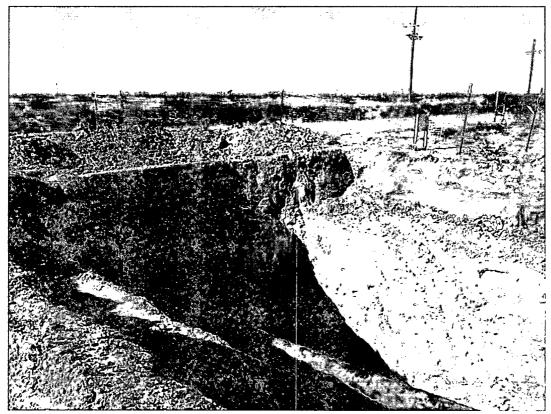
Photograph of the initial release at the Line #101 Historical Release Site.



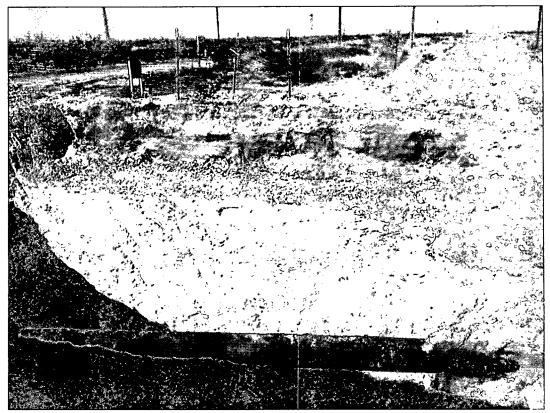
Photograph of excavation activities at the Line #101 Historical Release Site.



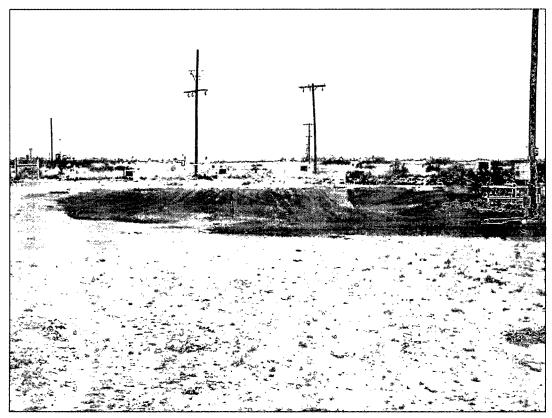
Photograph of excavation activities at the Line #101 Historical Release Site.



Photograph of the completed excavation at the Line #101 Historical Release Site.



Photograph of the completed excavation at the Line #101 Historical Release Site.



Photograph of the backfilled excavation at the Line #101 Historical Release Site.

## **APPENDIX B**

1

Laboratory Analytical Reports

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## Analytical Report 457380

#### for

Southern Union Gas Services- Monahans

**Project Manager: Joel Lowry** 

Line #101

1RP-2677

12-FEB-13

Collected By: Client





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

Xenco-Houston (EPA Lab code: TX00122):

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

Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD ( L10-135) Louisiana (04176), USDA (P330-07-00105)

> Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900) Xenco-Lakeland: Florida (E84098) Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX) Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX) Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757) Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757) Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)



12-FEB-13

Project Manager: Joel Lowry Southern Union Gas Services- Monahans 801 South Loop 464 Monahans, TX 79756

Reference: XENCO Report No(s): **457380** Line #101 Project Address: Lea County, NM

#### Joel Lowry:

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(s) 457380. 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. The uncertainty of measurement associated with the results of analysis reported is available upon request. 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. 457380 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.

Alejandro Montoya New Mexico Laboratory Director

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 457380



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

Line #101

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TT-1 @ 6'	S	02-06-13 02:55	6 ft	457380-001
TT-1 @ 8'	S	02-06-13 03:20	8 ft	457380-002
TT-1 @ 10'	S	02-06-13 03:50	10 ft	457380-003



### CASE NARRATIVE

Client Name: Southern Union Gas Services- Monahans Project Name: Line #101



Project ID:1RP-2677Work Order Number(s):457380

Report Date: 12-FEB-13 Date Received: 02/08/2013

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

**Analytical non conformances and comments:** Batch: LBA-906664 BTEX by EPA 8021B SW8021BM

Batch 906664, m\_p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike. Samples affected are: 457380-001, -002, -003. The Laboratory Control Sample for m\_p-Xylenes, o-Xylene is within laboratory Control Limits Laboratories

Total TPH

Project Id: 1RP-2677

Contact: Joel Lowry

### Certificate of Analysis Summary 457380

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Line #101



Date Received in Lab: Fri Feb-08-13 03:08 pm

Report Date: 12-FEB-13

oject Location: Lea County, NM								Report Date:	12-FEB-13	
								Project Manager:	Nicholas Straccione	
	Lab Id:	457380-	001	457380-0	02	457380-	003			
Analysis Requested	Field Id:	TT-1 @	) 6'	TT-1 @	8'	TT-1 @	10'			
	Depth:	6- ft		8- ft		10- ft				
	Matrix:	SOIL	_	SOIL		SOIL				
	Sampled:	Feb-06-13	02:55	Feb-06-13 (	03:20	Feb-06-13	03:50			
BTEX by EPA 8021B	Extracted:	Feb-11-13	15:00	Feb-11-13	15:00	Feb-11-13	15:00			
	Analyzed:	Feb-11-13	19:42	Feb-11-13	19:58	Feb-11-13	20:14			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Benzene		ND	0.00137	ND	0.00106	ND	0.00133			
Toluene		ND	0.00273	ND	0.00213	ND	0.00267			
Ethylbenzene		ND	0.00137	ND	0.00106	ND	0.00133			
m_p-Xylenes		ND	0.00273	ND	0.00213	ND	0.00267			
o-Xylene		ND	0.00137	ND	0.00106	ND	0.00133			
Total Xylenes		ND	0.00137		0.00106	ND	0.00133			
Total BTEX		ND	0.00137	ND	0.00106	ND	0.00133			
Inorganic Anions by EPA 300/300.1	Extracted:	Feb-12-13 13:35		Feb-12-13 14:27		Feb-12-13 14:44				
SUB: TX104704215	Analyzed:	Feb-12-13	13:35	Feb-12-13	14:27	Feb-12-13	14:44			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Chloride		8.79	1.37	3.65	1.07	1.63	1.33			
Percent Moisture	Extracted:									
	Analyzed:	Feb-11-13	17:00	Feb-11-13 1	17:00	Feb-11-13	17:00			
	Units/RL:	%	RL	%	RL	%	RL			
Percent Moisture		27.0	1.00	6.66	1.00	25.0	1.00			
TPH By SW8015 Mod	Extracted:	Feb-11-13	15:10	Feb-11-13	15:10	Feb-11-13	15:10			
	Analyzed:	Feb-11-13	19:23	Feb-11-13	19:50	Feb-12-13	09:18			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
C6-C12 Gasoline Range Hydrocarbons		ND	20.5	ND	16.0	ND	20.0			
C12-C28 Diesel Range Hydrocarbons		ND	20.5	26.5	16.0	ND	20.0			
C28-C35 Oil Range Hydrocarbons		ND	20.5	ND	16.0	ND	20.0			

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

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

hyandus

Alejandro Montoya New Mexico Laboratory Director

26.5

16.0

ND

20.5

ND

20.0



## **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	g Limit
----	-----------	---------

- MDL Method Detection Limit LOD Limit of Detection **SDL** Sample Detection Limit
- **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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Certified and approved by numerous States and Agencies.

LOQ Limit of Quantitation

Phone

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6017 Financial Drive, Norcross, GA 30071
3725 E. Atlanta Ave, Phoenix, AZ 85040

(281) 240-4280
(214) 351-9139
(210) 509-3335
(813) 620-2033
(432) 563-1713
(770) 449-5477

Final 1.000

Fax



Project Name: Line #101

<b>fork Orders :</b> 457380 Lab Batch #: 906743	, Sample: 457380-001 / SMP	Bate	-	<b>D:</b> 1RP-2677				
Units: mg/kg	Date Analyzed: 02/11/13 19:23	SURROGATE RECOVERY STUDY						
TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
	Analytes			[D]				
1-Chlorooctane		108	99.9	108	70-135			
o-Terphenyl		58.4	50.0	117	70-135			
Lab Batch #: 906664	Sample: 457380-001 / SMP	Batc	h: <sup>1</sup> Matrix	:Soil				
Units: mg/kg	Date Analyzed: 02/11/13 19:42	SU	RROGATE R	ECOVERY	STUDY			
BTE	K by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1.4-Difluorobenzene	Analytes	0.0273	0.0300	91	80-120			
4-Bromofluorobenzene		0.0273	0.0300	84	80-120			
Lab Batch #: 906743	Sample: 457380-002 / SMP	Bate						
Units: mg/kg	Date Analyzed: 02/11/13 19:50	-		OGATE RECOVERY STUDY				
TPH 1	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag			
I-Chlorooctane	Analytes	106	99.8	106	70-135			
o-Terphenyl		56.8	49.9	114	70-135			
Lab Batch #: 906664	Sample: 457380-002 / SMP	Batc	h: 1 Matrix	:Soil	••			
Units: mg/kg	Date Analyzed: 02/11/13 19:58	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		0.0259	0.0300	86	80-120			
4-Bromofluorobenzene		0.0276	0.0300	92	80-120			
Lab Batch #: 906664	Sample: 457380-003 / SMP	Batc	h: 1 Matrix	:Soil				
Units: mg/kg	Date Analyzed: 02/11/13 20:14	SU	IRROGATE R	ECOVERY	STUDY			
BTE	K by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flage		
1,4-Difluorobenzene	-	0.0254	0.0300	85	80-120			
			1	1				

\* 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: Line #101

ork Orders : 457380 Lab Batch #: 906743	, Sample: 457380-003 / SMP	Batc		D: 1RP-2677 : Soil									
Units: mg/kg	Date Analyzed: 02/12/13 09:18		RROGATE R	ECOVERY S	STUDY								
TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags							
	Analytes			[D]									
1-Chlorooctane		108	100	108	70-135								
o-Terphenyl		59.1	50.1	118	70-135								
Lab Batch #: 906664	Sample: 633644-1-BLK / BL												
Units: mg/kg	Date Analyzed: 02/11/13 10:25	SURROGATE RECOVERY STUDY											
BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags							
1,4-Difluorobenzene	Analytes	0.0268	0.0300	89	80-120								
4-Bromofluorobenzene		0.0284	0.0300	95	80-120								
Lab Batch #: 906743	Sample: 633686-1-BLK / BL	K Bate	h: 1 Matrix	::Solid	11								
Units: mg/kg	Date Analyzed: 02/11/13 17:34		RROGATE R		STUDY								
TPH By SW8015 Mod Analytes		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag							
1-Chlorooctane		106	99.9	106	70-135								
o-Terphenyl		58.1	50.0	116	70-135								
Lab Batch #: 906664	Sample: 633644-1-BKS / BK	S Bate	h: 1 Matrix	:Solid	·								
Units: mg/kg	Date Analyzed: 02/11/13 09:52	su	RROGATE R	ECOVERY	STUDY								
BTEZ	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag							
1,4-Difluorobenzene		0.0348	0.0300	116	80-120								
4-Bromofluorobenzene		0.0278	0.0300	93	80-120								
Lab Batch #: 906743	Sample: 633686-1-BKS / BK	S Bate	ch: 1 Matrix	r:Solid									
Units: mg/kg	Date Analyzed: 02/11/13 16:43	su	JRROGATE R	ECOVERY	STUDY								
ТРН	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag							
1-Chlorooctane	•	107	99.8	107	70-135								
			1	1	1	l							

\* 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: Line #101

ork Orders : 457380 Lab Batch #: 906664	, Sample: 633644-1-BSD / B	SD Bate		<b>D:</b> 1RP-2677		
Units: mg/kg	Date Analyzed: 02/11/13 10:09		RROGATE R	ECOVERY	STUDY	
ВТЕХ	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			[D]		
1,4-Difluorobenzene		0.0333	0.0300	111	80-120	
4-Bromofluorobenzene		0.0281	0.0300	94	80-120	
Lab Batch #: 906743	<b>Sample:</b> 633686-1-BSD / B	SD Bate	ch: 1 Matrix	:Solid		
Units: mg/kg	Date Analyzed: 02/11/13 17:09	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		106	99.9	106	70-135	
o-Terphenyl		57.4	50.0	115	70-135	
Lab Batch #: 906664	Sample: 456965-001 S / MS	Bate	h: <sup>1</sup> Matriy	:Sludge		
Units: mg/kg	Date Analyzed: 02/11/13 11:48		RROGATE R		STUDY	
BTEX	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	Analytes	0.0246	0.0200		00.120	
4-Bromofluorobenzene		0.0346	0.0300	115	80-120	
		0.0314	0.0300	105	80-120	
Lab Batch #: 906743	Sample: 457380-002 S / MS					
Units: mg/kg	Date Analyzed: 02/12/13 02:20		RROGATE R	ECOVERY		
ТРН	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		107	99.9	107	70-135	
o-Terphenyl		63.0	50.0	126	70-135	
Lab Batch #: 906664	Sample: 456965-001 SD / N	ASD Bate	h: <sup>1</sup> Matrix	:Sludge		
Units: mg/kg	Date Analyzed: 02/11/13 12:04	SU	RROGATE R	ECOVERY	STUDY	
BTEX	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	· · · · · · · · · · · · · · · · · · ·	0.0290	0.0300	97	80-120	
				1 1		

\* 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: Line #101

Work Orders : 457380	3	Project ID: 1RP-2677										
Lab Batch #: 906743	Sample: 457380-002 SD / N	MSD Batch: 1 Matrix: Soil										
Units: mg/kg	Date Analyzed: 02/12/13 02:46	Date Analyzed:         02/12/13         02:46         SURROGATE         RECOVERY STUDY										
ТРН	TPH By SW8015 Mod			Recovery %R [D]	Control Limits %R	Flags						
I-Chlorooctane	Analytes	107	99.7	107	70-135							
o-Terphenyl		59.0	49.9	118	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





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#### **Project Name: Line #101**

Work Order #: 457380		Pi	11	RP-2677					
Lab Batch #: 906768	Sample: 633706	Sample: 633706-1-BKS Matrix: Solid							
Date Analyzed: 02/12/2013	Date Prepared: 02/12/2	013	Analyst	: RKO					
Reporting Units: mg/kg	Batch #: 1 BLANK /BLANK SPIKE REC								
Inorganic Anions by EPA 300/300	1 Blank Result	Spike Added	Blank Spike	Blank Spike	Control Limits	Flags			
Analytes	[A]	[B]	Result [C]	%R [D]	%R				
Chloride	<1.00	100	101	101	80-120				

Blank Spike Recovery [D] = 100\*[C]/[B] All results are based on MDL and validated for QC purposes. BRL - Below Reporting Limit





#### Project Name: Line #101

Work Order #: 457380	Project ID: 1RP-2677           Date Prepared: 02/11/2013         Date Analyzed: 02/11/2013										
Analyst: KEB Lab Batch ID: 906664 Sample: 633644-1		-	•ed: 02/11/201 h #: 1	. 3				Matrix: S			
Units: mg/kg			RECOVI	VERY STUDY							
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	<0.000998	0.0998	0.0884	89	0.100	0.0814	81	8	70-130	35	<u> </u>
Toluene	<0.00200	0.0998	0.0839	84	0.100	0.0811	81	3	70-130	35	
Ethylbenzene	<0.000998	0.0998	0.0858	86	0.100	0.0784	78	9	71-129	35	
m_p-Xylenes	<0.00200	0.200	0.168	84	0.201	0.153	76	9	70-135	35	
o-Xylene	<0.000998	0.0998	0.0840	84	0.100	0.0760	76	10	71-133	35	
Analyst: KEB	D	ate Prepar	ed: 02/11/201	13		_	Date A	nalyzed: (	)2/11/2013		
Lab Batch ID: 906743 Sample: 633686-1	-BKS	Batel	h #: 1					Matrix: S	solid		
Units: mg/kg		BLAN	K/BLANK S	SPIKE / F	BLANK S	PIKE DUP	LICATE	RECOVE	ERY STUD	)Y	
TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<15.0	998	970	97	999	967	97	0	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	998	999	100	999	1010	101	1	70-135	35	

Relative Percent Difference RPD = 200\*|(C-F)/(C+F)|Blank Spike Recovery [D] = 100\*(C)/[B]Blank Spike Duplicate Recovery [G] = 100\*(F)/[E]All results are based on MDL and Validated for QC Purposes



#### Project Name: Line #101



Work Order #: 457380		Project ID: 1RP-2677													
Lab Batch ID: 906664 Date Analyzed: 02/11/2013	QC- Sample ID: Date Prepared:				tch #: alyst:	1 Matrix KEB	: Sludge								
Reporting Units: mg/kg		M	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY						
BTEX by EPA 8021B 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				
Benzene	<0.00118	0.118	0.0984	83	0.119	0.120	101	20	70-130	35					
Toluene	< 0.00236	0.118	0.0958	81	0.119	0.115	97	18	70-130	35	-				
Ethylbenzene	<0.00118	0.118	0.0861	73	0.119	0.110	92	24	71-129	35					
m_p-Xylenes	< 0.00236	0.236	0.163	69	0.237	0.206	87	23	70-135	35	X				
o-Xylene	<0.00118	0.118	0.0830	70	0.119	0.104	87	22	71-133	35	X				
Lab Batch ID: 906768 Date Analyzed: 02/12/2013 Reporting Units: mg/kg	QC- Sample ID:       457380-001 S       Batch #:       1       Matrix: Soil         Date Prepared:       02/12/2013       Analyst:       RKO         MATRIX SPIKE / MATRIX SPIKE DUPLICATE       RECOVERY STUDY														
Inorganic Anions by EPA 300/300.1	Parent Sample Result	Spike	Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag				
Analytes	[A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	1				
			ļ		[e]				<u> </u>						
Chloride	8.79	137	149	102	137	150	103	1	80-120	20					
Lab Batch ID: 906743 Date Analyzed: 02/12/2013	8.79 QC- Sample ID: Date Prepared:	457380	-002 S	102 Ba	137 tch #:	150 1 <b>Matri</b> y KEB	103	1	80-120	20					
Lab Batch ID: 906743	QC- Sample ID:	457380 02/11/2	-002 S 013	102 Ba	137 tch #: alyst:	1 Matrix	103 <b>k:</b> Soil		<u>.                                    </u>	20					
Lab Batch ID: 906743 Date Analyzed: 02/12/2013	QC- Sample ID:	457380 02/11/2	-002 S 013	102 Ba	137 tch #: alyst:	1 Matrix KEB	103 <b>k:</b> Soil		<u>.                                    </u>	20 Control Limits %RPD	Flag				
Lab Batch ID: 906743 Date Analyzed: 02/12/2013 Reporting Units: mg/kg TPH By SW8015 Mod	QC- Sample ID: Date Prepared: Parent Sample Result	457380 02/11/2 M Spike Added	-002 S 013 IATRIX SPIK Spiked Sample Result	102 Ba An E / MAT Spiked Sample %R	137 tch #: alyst: RIX SPI Spike Added	l Matrix KEB KE DUPLICA Duplicate Spiked Sample	103 x: Soil TE REC Spiked Dup. %R	OVERY	STUDY Control Limits	Control Limits	Flag				

Matrix Spike Percent Recovery [D] = 100\*(C-A)/BRelative 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

## 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:	Joel Lowry	<u>.</u>			· · · ·	· · · · · ·			· : ·	 . <u></u>						Pro	ject	Nam	e: <u>Li</u>	ne ‡	<u> </u>	••••		·:::			· <u>·</u> ···	 	 	
··· · · · ·	Company Name	Basin Environmental Ser	vice T	echno	logies, LLC		: ;						<u>. •.•</u>	•.		<u> </u>		Pro	jecț	#: <u>(1</u>	<u>RP-</u>	267	: 7)	<u></u>	•.				· 	<u> </u>	
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:	City/State/Zip:	Lovington, NM 88260							· · ·	: 		: "			:		: :		PO	#: Bi	i Il So	uthe	rn U	Inior	I Gas	: 	:				
	Telephone No:	(575)396-2378				F	ax No:	· · ·	(57)	5) 39	96-142	9				 Re	port	Forr	nat		Sta	Indar	rd		Пт	RRP		Пм	IPDES	 S	:
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10 <sup>0</sup> 98			Beginning Depth	bth	bled		bie		Total #. of Containers						2	Water	ple	8015M	i la	cauons (ca, wg, va, k) Anions (Cl, SO4, Alkalinity)	ы	Ba Cd			5030 O			Total Dissolved Solids	TAT (Pre-Schedule)	AT 4	
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#8¥	FIEL		Begin	Endin	Date			Field Filtered	Total #	<u>8</u>	HCI HNO3	H <sub>2</sub> SO	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Other	DW = D	NP=Nc		Hall		SAR / ESP	Metals	Volatiles	Semivolatiles	RCI	N.O.R.M.	CHLO	Total	RUSF	Stanc	
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### **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: 02/08/2013 03:08:00 PM **Temperature Measuring device used :** Work Order #: 457380

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	4	
#2 *Shipping container in good condition?	Yes	
#3 *Samples received on ice?	Yes	
#4 *Custody Seals intact on shipping container/ cooler?	Yes	
#5 Custody Seals intact on sample bottles?	Yes	
#6 *Custody Seals Signed and dated?	Yes	
#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: 02/11/2013

Checklist reviewed by: Alyoncho M. Alejandro Montoya

Date: 02/11/2013

## **Analytical Report 458978**

#### for

### Southern Union Gas Services- Monahans

#### **Project Manager: Joel Lowry**

#### Line #101

#### (1RP-2677)

#### 12-MAR-13

Collected By: Client





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

Xenco-Houston (EPA Lab code: TX00122):

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

Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD ( L10-135) Louisiana (04176), USDA (P330-07-00105)

> Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900) Xenco-Lakeland: Florida (E84098) Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX) Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX) Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757) Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757) Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)



12-MAR-13

Project Manager: Joel Lowry Southern Union Gas Services- Monahans 801 South Loop 464 Monahans, TX 79756

Reference: XENCO Report No(s): **458978** Line #101 Project Address: Lea County, NM

#### Joel Lowry:

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(s) 458978. 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. The uncertainty of measurement associated with the results of analysis reported is available upon request. 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. 458978 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 458978



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

Line #101

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
South East SW	S	03-06-13 13:00		458978-001
South West SW	S	03-06-13 13:15		458978-002
East SW Middle	S	03-06-13 13:30		458978-003
North West SW	S	03-06-13 13:45		458978-004
North East SW	S	03-06-13 14:00		458978-005
West SW Middle	S	03-06-13 14:15		458978-006
Floor @ 15'	S	03-01-13 13:00		458978-007



#### CASE NARRATIVE

Client Name: Southern Union Gas Services- Monahans Project Name: Line #101



Project ID:(1RP-2677)Work Order Number(s):458978

Report Date: *12-MAR-13* Date Received: *03/07/2013* 

Sample receipt non conformances and comments: None

Sample receipt non conformances and comments per sample:

None

Total TPH

**Project Id: (1RP-2677)** 

#### Certificate of Analysis Summary 458978

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Line #101

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<b>Hojectiu.</b> (IRI-2077)		v								TI 14 07 10 04 00			
Contact: Joel Lowry			$\mathbb{D}$ r	a ft			Date Received in Lab: Report Date:			Thu Mar-07-13 04:20 pm			
roject Location: Lea County, NM			<u>11</u>					•					
								· · · · · · · · · · · · · · · · · · ·		Nicholas Stra			
	Lab Id:		458978-001 458978-002		458978-		458978-		458978-005		458978-006		
Analysis Requested	Field Id:	South Eas	t SW	South Wes	st SW	East SW N	liddle	North We	st SW	North Eas	t SW	West SW N	Aiddle
	Depth:												
	Matrix:	SOIL	,	SOIL	,	SOIL		SOIL		SOIL	.	SOIL	
Sampled		Mar-06-13	13:00	Mar-06-13	13:15	Mar-06-13	13:30	Mar-06-13	13:45	Mar-06-13	14:00	Mar-06-13 14:15	
BTEX by EPA 8021B Extracted		Mar-11-13	15:00	Mar-11-13	15:00	Mar-11-13	15:00	Mar-11-13	15:00	Mar-11-13	15:00	Mar-11-13	15:00
	Analyzed:	Mar-11-13	17:52	Mar-11-13	18:09	Mar-12-13	07:19	Mar-11-13	18:41	Mar-11-13	18:57	Mar-11-13 19:30	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		ND	0.00134	ND	0.00137	ND	0.00143	ND	0.00113	ND	0.00135	ND	0.00129
Toluene		ND	0.00269	ND	0.00273	ND	0.00286	ND	0.00227	ND	0.00270	ND	0.00257
Ethylbenzene		ND	0.00134	ND	0.00137	· ND	0.00143	ND	0.00113	ND	0.00135	ND	0.00129
m_p-Xylenes		ND	0.00269	ND	0.00273	ND	0.00286	ND	0.00227	ND	0.00270	ND	0.00257
o-Xylene		ND	0.00134	ND	0.00137	ND	0.00143	ND	0.00113	ND	0.00135	ND	0.00129
Total Xylenes		ND	0.00134	ND	0.00137	ND	0.00143	ND	0.00113	ND	0.00135	ND	0.00129
Total BTEX		ND	0.00134	ND	0.00137	ND	0.00143	ND	0.00113	ND	0.00135	ND	0.00129
Percent Moisture	Extracted:		-										
	Analyzed:	Mar-11-13	17:00	Mar-11-13	17:00	Mar-11-13	17:00	Mar-11-13	17:00	Mar-11-13	17:00	Mar-11-13	17:00
	Units/RL:	%	RL	%	RL	%	RL	%	· RL	%	RL	%	RL
Percent Moisture		25.6	1.00	27.2	1.00	30.4	1.00	12.1	1.00	26.4	1.00	22.0	1.00
TPH By SW8015 Mod	Extracted:	Mar-11-13	12:30	Mar-11-13	12:30	Mar-11-13	12:30	Mar-11-13	12:30	Mar-11-13	12:30	Mar-11-13	12:30
	Analyzed:	Mar-11-13	22:50	Mar-11-13	23:17	Mar-11-13	23:44	Mar-12-13	00:10	Mar-12-13	00:37	Mar-12-13	01:04
	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	20.1	ND	20.6	ND	21.5	ND	17.1	ND	20.3	ND	19.3
C12-C28 Diesel Range Hydrocarbons		29.9	20.1	27.2	20.6	ND	21.5	96.7	17.1	50.7	20.3	ND	19.3
C28-C35 Oil Range Hydrocarbons		ND	20.1	ND	20.6	ND	21.5	ND	17.1	ND	20.3	ND	19.3

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

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Nicholas Straccione Project Manager

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

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

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Contact: Joel Lowry		ID IK	aft	Da	Date Received in Lab:		) pm
oject Location: Lea County, NM			CU II U		Report Date:		
				1	Project Manager:	Nicholas Straccione	
	Lab Id:	458978-007					
Analysis Requested	Field Id:	Floor @ 15'					
Analysis Kequesieu	Depth:		1				
	Matrix:	SOIL					
	Sampled:	Mar-01-13 13:00					
BTEX by EPA 8021B	Extracted:	Mar-11-13 15:00					
	Analyzed:	Mar-11-13 19:46					
	Units/RL:	mg/kg RL					
Benzene		ND 0.00109					
Toluene		ND 0.00218					
Ethylbenzene		0.00323 0.00109					
m_p-Xylenes		0.0107 0.00218					
o-Xylene		0.00610 0.00109					
Total Xylenes		0.0168 0.00109					
Total BTEX		0.0200 0.00109					
Percent Moisture	Extracted:						
	Analyzed:	Mar-11-13 17:00					
	Units/RL:	% RL					
Percent Moisture		8.52 1.00					
TPH By SW8015 Mod	Extracted:	Mar-11-13 12:30					
	Analyzed:	Mar-12-13 01:30					
	Units/RL:	mg/kg RL					
C6-C12 Gasoline Range Hydrocarbons		92.6 16.4					
C12-C28 Diesel Range Hydrocarbons		714 16.4					

**Project Id: (1RP-2677)** 

Project

Total TPH

C28-C35 Oil Range Hydrocarbons

#### **Certificate of Analysis Summary 458978**

Southern Union Gas Services- Monahans, Monahans, TX Project Name: Line #101



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Nicholas Straccione **Project Manager** 



### **Flagging Criteria**

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

**BRL** Below Reporting Limit.

- **RL** Reporting Limit
- MDL Method Detection Limit SDL Sample Detection Limit LOD Limit of Detection
- PQL Practical Quantitation Limit MQL Method Quantitation Limit
- **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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2505 North Falkenburg Rd, Tampa, FL 33619
12600 West I-20 East, Odessa, TX 79765
6017 Financial Drive, Norcross, GA 30071
3725 E. Atlanta Ave, Phoenix, AZ 85040

Phone

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(210) 509-3334

(813) 620-2000

(432) 563-1800

(770) 449-8800

(602) 437-0330

Fax (281) 240-4280

(214) 351-9139

(210) 509-3335

(813) 620-2033

(432) 563-1713

(770) 449-5477

LOQ Limit of Quantitation



Project Name: Line #101

ork Orders: 458978 Lab Batch #: 908750	Sample: 458978-001 / SMP									
Units: mg/kg	Date Analyzed: 03/11/13 17:52	SU	RROGATE R	ECOVERY	STUDY					
BTE	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags				
	Analytes			[D]						
1,4-Difluorobenzene		0.0331	0.0300	110	80-120					
4-Bromofluorobenzene		0.0295	0.0300	98	80-120					
Lab Batch #: 908750	Sample: 458978-002 / SMP_	Bate	ch: 1 Matrix	c:Soil	-					
Units: mg/kg	Date Analyzed: 03/11/13 18:09	st	RROGATE R	ECOVERY	STUDY					
BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags				
1,4-Difluorobenzene	Analytes	0.0260	0.0300	87	80-120					
4-Bromofluorobenzene		0.0258	0.0300	87	80-120					
	Sample: 458978-004 / SMP	Bate		<u> </u>						
Units: mg/kg	Date Analyzed: 03/11/13 18:41	SURROGATE RECOVERY STUDY								
BTEX by EPA 8021B Analytes		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag				
1,4-Difluorobenzene		0.0279	0.0300	93	80-120					
4-Bromofluorobenzene		0.0289	0.0300	96	80-120					
Lab Batch #: 908750	Sample: 458978-005 / SMP	Bate	h: 1 Matrix	:Soil	·					
Units: mg/kg	Date Analyzed: 03/11/13 18:57	SU	URROGATE 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		0.0271	0.0300	90	80-120					
4-Bromofluorobenzene		0.0294	0.0300	98	80-120					
Lab Batch #: 908750	Sample: 458978-006 / SMP	Bate	ch: 1 Matrix	<b>k:</b> Soil						
Units: mg/kg	Date Analyzed: 03/11/13 19:30	SU	JRROGATE 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		0.0297	0.0300	- 99	80-120					
1,4-Diffuorobelizene										

\* 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 / BAll results are based on MDL and validated for QC purposes.



Project Name: Line #101

Work Orders : 458978		Project ID: (1RP-2677) 4P Batch: 1 Matrix: Soil						
Lab Batch #: 908750	Sample: 458978-007 / SMP	Batcl	RROGATE RE		STUDY			
Units: mg/kg BTE2	Date Analyzed: 03/11/13 19:46 X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1,4-Difluorobenzene		0.0251	0.0300	84	80-120			
4-Bromofluorobenzene		0.0291	0.0300	97	80-120			
Lab Batch #: 908752	Sample: 458978-001 / SMP	Batel						
Units: mg/kg	Date Analyzed: 03/11/13 22:50	SU	RROGATE RE	ECOVERY S	STUDY			
ТРН	TPH By SW8015 Mod     Amount Found     True Amount     Control Recovery       Analytes     [A]     [B]     %R				Limits	Flags		
1-Chlorooctane		101	99.7	101	70-135			
o-Terphenyl		53.3	49.9	107	70-135			
Lab Batch #: 908752	Sample: 458978-002 / SMP	Batcl	h: <sup>1</sup> Matrix:	Soil	·			
Units: mg/kg	Date Analyzed: 03/11/13 23:17	SURROGATE RECOVERY STUDY						
ТРН	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1-Chlorooctane		110	100	110	70-135			
o-Terphenyl		57.5	50.0	115	70-135			
Lab Batch #: 908752	Sample: 458978-003 / SMP	Batel	h: 1 Matrix:	Soil				
Units: mg/kg	Date Analyzed: 03/11/13 23:44	SU	RROGATE RE	COVERY	STUDY			
ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
	Analytes							
l-Chlorooctane o-Terphenyl		100 52.6	99.8 49.9	100	70-135			
Lab Batch #: 908752	C 1 459079 004 / SMB				10-155			
	Sample: 458978-004 / SMP	Batel	h: 1 Matrix: RROGATE RH		STUDY	<u> </u>		
Units: mg/kg	Date Analyzed: 03/12/13 00:10 By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1-Chlorooctane		100	100	100	70-135			
o-Terphenyl		52.1	50.1	104	70-135			

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

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

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



Project Name: Line #101

ork Orders : 458978 Lab Batch #: 908752	, 438978 Sample: 458978-005 / SMP	Bate		<b>D:</b> (1RP-2677 : Soil	)		
Units: mg/kg	Date Analyzed: 03/12/13 00:37	SU	RROGATE R	ECOVERY	STUDY		
ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
	Analytes			[D]			
1-Chlorooctane		103	99.5	104	70-135		
o-Terphenyl		53.7	49.8	108	70-135		
Lab Batch #: 908752	Sample: 458978-006 / SMP	Bate	ch: l Matrix	c:Soil			
Units: mg/kg	Date Analyzed: 03/12/13 01:04	SU	RROGATE R	ECOVERY	STUDY		
TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
1-Chlorooctane	Analytes	100	100	100	70-135		
o-Terphenyl		52.4	50.1	100	70-135		
					10-155		
Lab Batch #: 908752	Sample: 458978-007 / SMP	Batch: 1 Matrix: Soil SURROGATE RECOVERY STUDY					
Units: mg/kg	Date Analyzed: 03/12/13 01:30	50	KRUGATE R	ECOVERY			
TPH By SW8015 Mod Analytes		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flage	
1-Chlorooctane		101	99.9	101	70-135	_	
o-Terphenyl		52.8	50.0	106	70-135		
Lab Batch #: 908750	Sample: 458978-003 / SMP	Bato	h: 1 Matrix	soil	<u> </u>		
Units: mg/kg	Date Analyzed: 03/12/13 07:19		RROGATE R		STUDY		
	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flage	
1,4-Difluorobenzene		0.0261	0.0300	87	80-120		
4-Bromofluorobenzene		0.0300	0.0300	100	80-120		
Lab Batch #: 908750	Sample: 634947-1-BLK / BL	K Bate	ch: 1 Matrix	c:Solid			
Units: mg/kg	Date Analyzed: 03/11/13 16:14	SU	JRROGATE R	ECOVERY	STUDY		
BTEX	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flage	
1,4-Difluorobenzene		0.0343	0.0300	114	80-120		
				1	1		

\* 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 / BAll results are based on MDL and validated for QC purposes.



Project Name: Line #101

Vork Orders : 458978	, 458978	<b>Project ID:</b> (1RP-2677)							
Lab Batch #: 908752	<b>Sample:</b> 634948-1-BLK / B								
Units: mg/kg	Date Analyzed: 03/11/13 21:01	SU	<b>RROGATE RI</b>	ECOVERY	STUDY				
ТРН	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1-Chlorooctane		103	99.9	103	70-135				
o-Terphenyl		52.8	50.0	106	70-135				
Lab Batch #: 908750	Sample: 634947-1-BKS / B	KS Batcl	h: <sup>1</sup> Matrix	Solid		-			
Units: mg/kg	Date Analyzed: 03/11/13 15:41	SU.	RROGATE RI	ECOVERY	STUDY				
BTEX by EPA 8021B     Amount     True     Control       Found     Amount     Recovery     Limits       [A]     [B]     %R     %R       Analytes     [D]     [D]     [D]				Limits	Flags				
1,4-Difluorobenzene		0.0344	0.0300	115	80-120				
4-Bromofluorobenzene		0.0305	0.0300	102	80-120				
Lab Batch #: 908752	<b>Sample:</b> 634948-1-BKS / B			. Solid	<u> </u>				
Units: mg/kg	Date Analyzed: 03/11/13 20:06	SURROGATE RECOVERY STUDY							
ТРН	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags				
1-Chlorooctane	Analytes	96.1	99.7	96	70-135				
o-Terphenyl		55.1	49.9	110	70-135				
Lab Batch #: 908750	Sample: 634947-1-BSD / B	SD Batcl	h: <sup>1</sup> Matrix	:Solid	· <u>·····</u>				
Units: mg/kg	Date Analyzed: 03/11/13 15:57	SU	RROGATE RI	ECOVERY	STUDY				
BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1,4-Difluorobenzene	Analytes	0.0300	0.0300	100	80-120				
4-Bromofluorobenzene		0.0331	0.0300	110	80-120				
Lab Batch #: 908752	<b>Sample:</b> 634948-1-BSD / B	SD Batc	h: <sup>1</sup> Matrix	:Solid	<u>.                                    </u>	J			
Units: mg/kg	Date Analyzed: 03/11/13 20:34		RROGATE RI		STUDY	•••			
	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1-Chlorooctane		94.0	99.9	94	70-135				
o-Terphenyl		54.7	50.0	109	70-135				
			I	1	لــــــــــــــــــــــــــــــــــــــ	<u> </u>			

\* 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: Line #101

<b>ork Orders :</b> 458978			•	D: (1RP-2677	')	
Lab Batch #: 908750	Sample: 458980-002 S / MS r					
Units: mg/kg	Date Analyzed: 03/11/13 21:07	SU.	RROGATE R	ECOVERY	STUDY	
BTEX	K by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0.0295	0.0300	98	80-120	
4-Bromofluorobenzene		0.0289	0.0300	96	80-120	
Lab Batch #: 908752	Sample: 458980-002 S / MS	Batel	h: 1 Matrix	:Soil		
Units: mg/kg	Date Analyzed: 03/12/13 06:21	SURROGATE RECOVERY STUDY				
ТРН І	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	Analytes		100		70.125	
o-Terphenyl		99.9	100	100	70-135	
	<u> </u>	61.3	50.0	123	70-135	
Lab Batch #: 908750	Sample: 458980-002 SD / M					
Units: mg/kg	Date Analyzed: 03/11/13 21:23	SU	RROGATE R	ECOVERY	STUDY	
BTEX	K by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0.0306	0.0300	102	80-120	
4-Bromofluorobenzene		0.0335	0.0300	112	80-120	
Lab Batch #: 908752	Sample: 458980-002 SD / M	SD Bate	h: <sup>1</sup> Matrix	:Soil		
Units: mg/kg	Date Analyzed: 03/12/13 06:48	SU	RROGATE R	ECOVERY S	STUDY	
TPH	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		101	99.9	101	70-135	
				1	, , , , , , , , , , , , , , , , , , , ,	

\* 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: Line #101

Work Order #: 458978, 458978							Pro	ject ID: (	1RP-2677)		
Analyst: KEB	D	ate Prepar	red: 03/11/201	3		Date Analyzed: 03/11/2013					
Lab Batch ID: 908750 Sample: 634947-1	-BKS	Bate	<b>h #:</b> 1			Matrix: Solid					
Units: mg/kg		BLANK /BLANK SPIKE /				SPIKE DUPI	LICATE	RECOVE	ERY STUD	Y	
BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Benzene	<0.00100	0.100	0.0958	96	0.0994	0.0899	90	6	70-130	35	
Toluene	<0.00200	0.100	0.0910	91	0.0994	0.0847	85	7	70-130	35	
Ethylbenzene	<0.00100	0.100	0.0914	91	0.0994	0.0837	84	9	71-129	35	
m_p-Xylenes	<0.00200	0.200	0.176	88	0.199	0.161	81	9	70-135	35	
o-Xylene	<0.00100	0.100	0.0878	88	0.0994	0.0814	82	8	71-133	35	
Analyst: KEB	D	ate Prepar	ed: 03/11/201	.3	Date Analyzed: 03/11/2013						
Lab Batch ID: 908752 Sample: 634948-1	-BKS	Bate	<b>h #:</b> 1					Matrix: S	Solid		
Units: mg/kg		BLAN	K/BLANK S	SPIKE / I	BLANK S	SPIKE DUPI	JICATE	RECOVE	ERY STUD	ŶŶ	
TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<15.0	997	940	94	999	932	93	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	997	984	99	999	982	98	0	70-135	35	

Relative Percent Difference RPD = 200\*|(C-F)/(C+F)|Blank Spike Recovery [D] = 100\*(C)/[B]Blank Spike Duplicate Recovery [G] = 100\*(F)/[E]All results are based on MDL and Validated for QC Purposes



#### Project Name: Line #101



Work Order #: 458978						Project II	<b>D:</b> (1RP-2	677)			
Lab Batch ID: 908750 Date Analyzed: 03/11/2013	QC- Sample ID: Date Prepared:				tch #: alyst:	l <b>Matri</b> KEB	k: Soil				
Reporting Units: mg/kg		N	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
BTEX by EPA 8021B	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	
Benzene	<0.00122	0.122	0.0985	81	0.122	0.101	83	3	70-130	35	
Toluene	<0.00245	0.122	0.0976	80	0.122	0.0923	76	6	70-130	35	
Ethylbenzene	<0.00122	0.122	0.0949	78	0.122	0.0948	78	0	71-129	35	
m_p-Xylenes	<0.00245	0.245	0.179	73	0.244	0.179	73	0	70-135	35	
o-Xylene	<0.00122	0.122	0.0900	74	0.122	0.0884	72	2	71-133	35	
Lab Batch ID: 908752	QC- Sample ID:			Ba	tch #:	1 Matriz	x: Soil				
Date Analyzed: 03/12/2013	Date Prepared:	03/11/2	013	An	alyst:	KEB					
Reporting Units: mg/kg		N	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
TPH By SW8015 Mod	Parent Sample Result	Spike Added	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]	<u> </u>	[D]	[E]		[G]				
C6-C12 Gasoline Range Hydrocarbons	<18.4	1230	1210	98	1230	1260	102	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<18.4	1230	1260	102	1230	1330	108	5	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



Sample Duplicate Recovery



#### Project Name: Line #101

Work Order #: 458978

Lab Batch #: 908758 Date Analyzed: 03/11/2013 17:00 QC- Sample ID: 458978-001 D	<b>Date Prepared:</b> 03/11/2 <b>Batch #:</b> 1		<b>Project I</b> Ilyst: WRU trix: Soil	<b>D:</b> (1RP-26	77)
Reporting Units: %	SAMPI	LE / SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture	Parent Sam Result [A]	ple Sample Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte		<b>[B]</b>			
Percent Moisture	25.6	25.4	1	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 ANALYS/S REQUEST 12600 West I-20 East Odessa, Texas 79765 Fax: 432-563-1713

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#### **XENCO** Laboratories



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

Client: Southern Union Gas Services- Monahan	Acceptable Temperature Range: 0 - 6 degC
Date/ Time Received: 03/07/2013 04:20:00 PM	Air and Metal samples Acceptable Range: Ambient
Work Order #: 458978	Temperature Measuring device used :

	Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?		0	
#2 *Shipping container in good condition?		Yes	
#3 *Samples received on ice?		Yes	
#4 *Custody Seals intact on shipping conta	iner/ cooler?	Yes	
#5 Custody Seals intact on sample bottles?		Yes	
#6 *Custody Seals Signed and dated?		Yes	
#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 relinqui	shed/ received?	Yes	
#11 Chain of Custody agrees with sample	abel(s)?	Yes	
#12 Container label(s) legible and intact?		Yes	
#13 Sample matrix/ properties agree with C	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 (le	ess than 1/4 inch bubble)?	Yes	
#21 <2 for all samples preserved with HNC	3,HCL, H2SO4?	Yes	
#22 >10 for all samples preserved with Na/	AsO2+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: \_\_\_\_\_

Checklist reviewed by:

Date:

# **APPENDIX C**

Disposal Manifests

PO. Box 1737 Eunice, New W (575) 394-2511	Aexico 88231 TICKET NO.; 237447
EASE OPERATOR/SHIPPER/COMPANY:	SUR
EASE NAME: Line IT 141	180-2677
RANSPORTER COMPANY: BASIN	E1,112, TIME 17:36 AM/PM.
ATE: 2. 25 - 13 VEHICLE NO: 8	CENERATOR CONTRACT C. StanLo. 4
HARGETO: SILC	TRE NAME AND MUMAER
	TYPE OF MATERIAL
Production Water	] Drilling Fluids [ ] Rinsate
1 3 Tank Bottoms	M Contaminated Soil [] Let Out
f 1 Solids	[ ] BS&W Content: [ ] Call Out
Description:0/1	)
RC or API #	C-133#
OLUME OF MATERIAL   BBLS	: X YARD 12 : []
	CES, INC'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB
TICKET, OPERATORISHIPPER REPRESENTS / MATERIAL EXEMPT FROM THE RESOURCE TO TIME, 40 U.S.C. § 6001, et icq. THE NM H THERETO. BY VIRTUE OF THE EXEMPTION A ASSOCIATED WITH THE EXPLORATION, DEV GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SER TICKET, TRANSPORTER REPRESENTS A OPERATORISHIPPER TO TRANSPORTER IS ( FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Transpo nbove described location, and that it was ten materials were added to this load, and that the	AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS ONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME IEALTH AND SAF. CODE 5 301 401 et seq. AND REGULATIONS RELATED FFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE VELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR RVICES, 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 porter loaded the material represented by this Transporter Statement at the idered by the above described shippet. This will certify that no additional
TICKET, OPERATOR/SHIPPER REPRESENTS / MATERIAL EXEMPT FROM THE RESOURCE, CV TO TIME, 40 U.S.C. \$ 6901, et ieqTHE MS H THERETO. BY VIRTUE OF THE EXEMPTION A ASSOCIATED WITH THE EXEMPTION A GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SER TICKET. TRANSPORTER REPRESENTS A OPERATOR/SHIPPER TO TRANSPORTER IS I FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Transpo above described facction, and that it was ten	AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS ONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME IEALTH AND SAF. CODE 5 301 401 et seq. AND REGULATIONS RELATED FFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE VELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR RVICES, 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 porter loaded the material represented by this Transporter Statement at the idered by the above described shippet. This will certify that no additional
TICKET, OPERATOR/SHIPPER REPRESENTS / MATERIAL EXEMPT FROM THE RESOURCE, C/ TO TIME, 40 U.S.C. \$ 6901, et ieq. The NM H THERETO. BY VIRTUE OF THE EXEMPTION A ASSOCIATED WITH THE EXEMPTION A ASSOCIATED WITH THE EXPLORATION, DEV GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SER TICKET, TRANSPORTER REPRESENTS A OPERATOR/SHIPPER TO TRANSPORTER IS I FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Transpo nbove described location, and that it was ten materials were added to this load, and that th DRIVER:	AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS ONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME IEALTH AND SAF. CODE 5 301 401 et seq. AND REGULATIONS RELATED FFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE VELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR RVICES, 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 porter loaded the material represented by this Transporter Statement at the idered by the above described shippet. This will certify that no additional
TICKET, OPERATORISHIPPER REPRESENTS / MATERIAL EXEMPT FROM THE RESOURCE TO TIME, 40 U.S.C. § 6001, et icqTHE NM H THERETO. BY VIRTUE OF THE EXEMPTION A ASSOCIATED WITH THE EXPLORATION, DEV GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SER TICKET, TRANSPORTER REPRESENTS A OPERATORYSHIPPER TO TRANSPORTER IS I FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Transpo nabove described location, and that it was ten materials were added to this load, and that th DRIVER:	AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS ONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME IEALTH AND SAF. CODE 5 301 401 et seq. AND REGULATIONS RELATED FFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE VELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR RVICES, 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 porter loaded the material represented by this Transporter Statement at the idered by the above described shippet. This will certify that no additional

SUN	PO. Box 1737 Eunice, New (575) 394-251	Mexico 88231	TICKET No. 237465
LEASE OPERATOR/	SHIPPER/COMPANY: 52	UG	
LEASE NAME: 2	ine # 101	1RP-2677	
TRANSPORTER CO	MPANY: BASUNE	nuiroi	TIME 1:58 AMP
DATE: 2. 28-1	3 VEHICLE NO:	GENERAT	MANSMANE C. STAILLEY
CHARGE TO: 5	1G	FIG 2 AND	AZE U
<u>г</u>			
	( ) <b>0</b>	TYPE OF MATERIAL	1.1.01
	Production Water     Tank Bottoms	V Drilling Fluids	[ ] Rinsate [ ] Jet Out
.)	1 I Solids	BS&W Content:	
ſ	al	A S BRAN COMENC.	
Descriptio	n:0/	D	
RRC or API #			C-1334
VOLUME OF MATE	RIAL   1BBLS.	: XI YARD 2	
MATERIAL EXE TO TIME, 40 U, THERETO, BY I ASSOCIATED GEOTHERMAL ALSO AS A C TICKET, TRAI	MPT FROM THE RESOURCE, C S.C. § 6901, et seq. THE NM I RITUE OF THE EXEMPTION I WITH THE EXPLORATION, DE ENERGY, ONDITION TO SUNDANCE SE VSPORTER REPRESENTS J UPPER TO TRANSPORTER IS	ONSERVATION AND RECOVERY AC HEALTH AND SAF, CODE § 361,001 - AFFORDED DRILLING FLUIDS, PROC VELOPMENT OR PRODUCTION OF RVICES, INC:S ACCEPTANCE OF THE NND WARRANTS THAT ONLY	E MATERIAL SHIPPED HEREWITH IS TOF 1976, AS AMENDED FROM TIME ELSQG, 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
above describe materials were DRIVER:	d location, and that it was te		d by this Transporter Statement at the ser. This will certify that no additional cident.
ſ	White - Sundance	Canary - Sundance Acct #1	Pink - Transporter

P.O. Box 1737 Eunic	ERVICES, Inc. rc. New Merides 88231 194-2511
LEASE OPERATOR/SHIPPER/COMPANY:	5/1 G
LEASENAME: LINE 161.	- 1RP - 3677
TRANSPORTER COMPANY: Ba 24	- Enwippin TIME 1:36 AM/RM3
DATE: 3-61-13 VEHICLE NO	D: 5 GENERATOR CONTAIN M. STELLEY
CHARGETO: SLIG	PC NAME AND PODEER
handras ang milit ta kaning parterina ang mang ang mang ang mang kanananan na Mina mang akan na kananan di sa na pang milita kanang mang mang mang mang mang mang mang	TYPE OF MATERIAL
[] ] Production Wa	
L   Tank Bottoms	Contaminated Soil [ ] Jet Out
l 1 Solids	() BS&W Contens:     Call Out
Description:	LIN
RRC of API #	C-133#
TICKET, OPERATOR/SHIPPER REPRE	E SERVICES, INC'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS IOB SENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HÉREWITH IS URCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME
THERETO, BY VIRTUE OF THE EXEMU ASSOCIATED WITH THE EXPLORATI GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDA TICKET, TRANSPORTER REPRESE OPERATORYSHIPPER TO TRANSPOR FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above above described location, and that it materials were added to this load, an DRIVER: BOARDARSI FACILITY REPRESENTATIVE:	HE NM HEALTH AND SAF. CODE § 361.001 ets seq. AND REGULATIONS RELATED PTION AFFORDED DRULING FLUIDS, PRODUCED WATERS, AND OTHER WASTE OON, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR INCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB NTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY ITER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S Transporter loaded the material represenced by this Transporter Statement at the was tendered by the abave described shipper. This will certify that no additional d that the material was delivered without incident.
THERETO, BY VIRTUE OF THE EXEMU ASSOCIATED WITH THE EXPLORATE GEOTHERMAL ENERGY. ALSO AS A CONDITIONTO SUNDA TICKET, TRANSPORTER REPRESE OPERATORISHIPPER TO TRANSPOR FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above above described location, and that it materials were added to this load, an DRIVER: BOOMTING	PTION AFFORDED DRILING FLUIDS, PRODUCED WATERS. AND OTHER WASTE ION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR INCE SERVICES, INC'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB INTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY ITER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC'S ITERASPORTER loaded the material represented by this Transporter Statement at the was tendered by the above described thipper. This will certify that no additional at that the material was delivered without incident.

	P.Ö. Böx 1737 Eunice, New A (575) 394-2511		TICKET No? 237	576
LEASE OPERATOR	SHIPPER/COMPANY:	I G		
LEASE NAME:	LINE 1 - TRY	2677		
TRANSPORTER CO	IMPANY: Py IN	ENLIVIMENTAL	TIME/7:	4 TAM
DATE: 3-61-	13 VEHICLE NO: 8	GENERAT	INCOMPANY A. 510.	nlei
CHARGE TO:	SUG	RIG NU AND N	at Uniter	
	<b></b>	TYPE OF MATERIAL		
	[] Production Water	[ ] Drilling Fluids	[ ] Rinsate	
	( ·) Tank Bottoms	XI Contaminated Soll	] Jet Out	
r-1	( ) Salids	I I BS&W Content:	L   Call Out	
Descripti	ion: 0	[D]		
RRC or API #			C+133#	
VOLUME OF MAT	ERIAL   ] BBLS.	: XJ VARD 12	: []	
TO TIME, 40 L THERETO, BY ASSOCIATED GEOTHERMA ALSO AS A TICKET, TRA	J.S.C. 5 6901, et seq. THE NM F VIRTUE OF THE EXEMPTION A WITH THE EXPLORATION, DE LENERGY. CONDITION TO SUNDANCE SEF	ONSERVATION AND RECOVERY ACT IEALTH AND SAF, CODE § 361.001 e (FORDED DRILLING FLUIDS, PROD VELOPMENT OR PRODUCTION OF RVICES, INC:S ACCEPTANCE OF THE	A SEQUENCIAL SHIPPED WITH	RELATED
FACILITY FOF THIS WILL C above describ materials wer DRIVER:	HIPPER TO TRANSPORTER IS R DISPOSAL CERTIFY that the above Transpired fociation, and that it was ter	IND WARBANTS THAT ONLY NOW DELIVERED BY TRANSPORTE outer loaded the material represented shared by the above described shipp he material was delivered without me SHA Cruz 2	R TO SUNDANCE SERVIC by this Transporter Statem er. This will certify that no a	RED BY ES, INC.'S

PO. Bax 1737 Eunice. New (575) 304-251	Medico 88231 TICKET No.: 207504
EASE OPERATOR/SHIPPER/COMPANY:	SUG
EASE NAME: 11178 # 161	- 1RP-8677
RANSPORTER COMPANY: Pasili	SILLIC TIME DI BLAMPM
ATE: 3-61-13 VEHICLENO: 5	CEMERATOR COMPANY CISTOR CUL
HARGE TO: SUG	RIG NAME AND IAUNCIR
	TYPE OF MATERIAL
Production Water	Drilling Fluids   Rinsate
[] Tank Bottoms	N Contaminated Soil ( ) let Out
I Solids	I BS&W Content: [] Call Out
RC or API #	C-133#
	C-1236
OLUME OF MATERIAL [ ] BBLS.	: XI YARO 12 : 11
TICKET, OPERATOR/SHIPPER REPRESENTS	I/CES, INC:S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS CONSERVATION AND RECOVERY ACT OF 1976. AS AMENDED FROM TIME
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. THIS WILL CERTIFY that the above Transp	HEALTH AND SAF. CODE § 361.001 et seq. AND REGULATIONS RELATED AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE EVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR ERVICES, INC:S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC:S POTTER loaded the material expresented by this Transporter Statement at the
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. THIS WILL CERTIFY that the above Transp	HEALTH AND SAF, CODE & 361,001 et seq, AND REGULATIONS RELATED AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE EVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR ERVICES, INC:S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY INOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC:S porter loaded the material represented by this Transporter Statement at the endered by the above described shipper. This will certify that no additional
THERETO, BY VIRTUE OF THE EXEMPTION ASSOCIATED WITH THE EXPLORATION, D GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUINDANCE SI TICKET. TRANSPORTER REPRESENTS OPERATORYSHIPPER 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. DRIVER:	HEALTH AND SAF, CODE & 361,001 et seq, AND REGULATIONS RELATED AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE EVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR ERVICES, INC:S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY INOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC:S porter loaded the material represented by this Transporter Statement at the endered by the above described shipper. This will certify that no additional the material was delivered without Incident.
THERETO, BY VIRTUE OF THE EXEMPTION ASSOCIATED WITH THE EXPLORATION, D GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SI TICKET. TRANSPORTER REPRESENTS OPERATORISHIPPER 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	HEALTH AND SAF, CODE & 361,001 et seq, AND REGULATIONS RELATED AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE EVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR ERVICES, INC:S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY INOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC:S porter loaded the material represented by this Transporter Statement at the endered by the above described shipper. This will certify that no additional
THERETO, BY URITLE OF THE EXEMPTION ASSOCIATED WITH THE EXPLORATION, D GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SI TICKET. TRANSPORTER REPRESENTS OPERATORISHIPPER TO TRANSPORTER IS FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Transp above described location, and that it was to materials were added to this load, and that. DRIVER: GEORETICS FACILITY REPRESENTATIVE:	HEALTH AND SAF, CODE & 361,001 et seq, AND REGULATIONS RELATED AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE EVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR ERVICES, INC:S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY INOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC:S porter loaded the material represented by this Transporter Statement at the endered by the above described shipper. This will certify that no additional the material was delivered without Incident.

	P.O. Box 1737 Eunice, New M (575) 394-2511		TICKET No. 237554
LEASE OPERATOR	SHIPPER/COMPANY: 5/	ИG	
LEASE NAME:	1118 FA 161	1KP-2677	
TRANSPORTER CO	MPANY: Basil	ENVIO	TIME 9:26 GM
DATE: 3-61-	13 VEHICLENO: 2	S GENERATO	ANTINAME CISTANLE
CHARGE TO:	SUG	E RIG NA	
		TYPE OF MATERIAL	
	1) Production Water	1 Drilling Fluids	( ) Binsate
;	1 1 Tank Botroms	X) Contaminated Soil	[ ] Jet Out
/	[] Solids	1 1 BS&W Content:	[ ] Call Out
Description	on:	010	
RRC or API #			C-133#
TICKET, OPER	DITION TO SUNDANCE SERVIC ATORVSHIPPER REPRESENTS A	CÉS, INC'S ACCEPTANCE OF THE M AND WARRANTS THAT THE WASTE ONSERVATION AND RECOVERY ACT	MATERIAL SHIPPED HEREWITH IS
AS A CON TICKET, OPER MATERIAL EX TO TIME, 40 U THERETO, 87 ASSOCIATED GEOTHERMAI ALSO AS A A TICKET. TRA OPERATOR'SI FACILITY FOR THIS WILL C above describ	DITION TO SUNDANCE SERVIC ATORXSHIPPER REPRESENTS A EMPT FROM THE RESOURCE, CC S.C. 5 6001, et seq., THE NM H VIRTUE OF THE EXEMPTION AI WITH THE EXPLORATION, DEV ENRERY. CONDITION TO SUNDANCE SER NSPORTER REPRESENTS AI HIPPER TO TRANSPORTER IS 6 DISPOSAL. ERTIFY that the above Transport of location, and that it was ten	CES, INC:S ACCEPTANCE OF THE M AND WARRANTS THAT THE WASTE DNSERVATION AND RECOVERY ACT FEORDED ORILLING FLUIDS, PRODU FFORDED ORILLING FLUIDS, PRODU VELOPMENT OR PRODUCTION OF RVICES, INC:S ACCEPTANCE OF THE A ND WARRANTS THAT ONLY T NOW DELIVERED BY TRANSPORTE Date loaded the material represented didered by the above described shippe to material was delivered without inc	ATERIALS SHIPPED WITH THIS JOB MATERIAL SHIPPED HEREWITH IS OF 1976, AS AMENDED FROM TIME seq. AND REGULATIONS RELATED JCED VIATERS, AND OTHER VIASTE CRUDE OIL OR NATURAL GAS OR AATERIALS SHIPPED WITH THIS JOB ME MATERIAL DELIVERED BY R TO SUNDANCE SERVICES, INC.'S by this Transporter Statement at the x. This will certify that no additional
AS A CON TICKET, OPER MATERIAL EX TO TIME, 40 U THERETO, BY ASSOCIATED GEOTHERMAI ALSO AS A AC TICKET. TRA OPERATORYSI FACILITY FOR THIS WILL C øbove describ materials wer	DITION TO SUNDANCE SERVIC ATORVSHIPPER REPRESENTS A EMPT FROM THE RESOURCE, CC SC, 5 6901, et seq, THE NM H VIRTUE OF THE EXEMPTION AI WITH THE EXPLORATION, DEV ENREGY. CONDITION TO SUNDANCE SER INSPORTER REPRESENTS AI HIPPER TO TRANSPORTER IS 6 DISPOSAL. ERTIFY that the above Transpo e added to this load, and that the autor PRESENTATIVE:	CES, INC:S ACCEPTANCE OF THE M AND WARRANTS THAT THE WASTE ONSERVATION AND RECOVERY ACT FEALTH AND SAF. CODE & 361.001 et FFORDED ORILLING FLUIDS, PRODU VELOPMENT OR PRODUCTION OF RVICES, INC:S ACCEPTANCE OF THE M ND WARRANTS THAT ONLY T NOW DELIVERED BY TRANSPORTE Dater loaded the moterial represented didred by the above described shippe	ATERIALS SHIPPED WITH THIS JOB MATERIAL SHIPPED HEREWITH IS OF 1976, AS AMENDED FROM TIME seq. AND REGULATIONS RELATED JCED VIATERS, AND OTHER VIASTE CRUDE OIL OR NATURAL GAS OR AATERIALS SHIPPED WITH THIS JOB ME MATERIAL DELIVERED BY R TO SUNDANCE SERVICES, INC.'S by this Transporter Statement at the x. This will certify that no additional

	P.O. Box 1737 Eunice, New (575) 394-251		TICKET No. 237863
LEASE OPERATOR/SH	IPPER/COMPANY:	SUG	nad <sup>19</sup> a 1999 - Balan Managana in an
LEASE NAME: 11	11P 11:1 -	. IRP 2677	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
TRANSPORTER COMP	ANY: BASIN	Saulica	TIME 2: 42 AM
DATE: 3-11-1=	S VEHICLE NO:	<del>ه</del> ۵	MANYSNAME C. STAILCL
CHARGE TO:	SUG		REG RAME AND MUMBER
		TYPE OF MATERIAL	
1	Production Water	Drilling Fluids	(   Rinsate
. 1	] Tank Bottoms	K Contaminated Soli	[ ] Jet Out
,) I	Solids	1 BS&W Content:	[ ] Call Out
Description:	E.	15	
RRC or API #			C-1338
VOLUME OF MATERIA	AL []BBLS.		
	an an a shake a second as a second state a second s	: XI YARD_	<u>2: n</u>
TICKET, OPERATO	ION TO SUNDANCE SERV DR/SHIPPER REPRESENTS	VICES, INC'S ACCEPTANCE OF 1 5 AND WARRANTS THAT THE V	THE MATERIALS SHIPPED WITH THIS JOB VASTE MATERIAL SHIPPED HEREWITH IS
TICKET, OPERATO MATERIAL EXEMP	ION TO SUNDANCE SERV DR/SHIPPER REPRESENTS PT FROM THE RESOURCE.	VICES, INC'S ACCEPTANCE OF 1 5 AND WARRANTS THAT THE V CONSERVATION AND RECOVER	THE MATERIALS' SHIPPED WITH THIS JOB VASTE MATERIAL SHIPPED HEREWITH IS Y ACT OF 1976, AS AMENDED FROM TIME
TICKET, OPERATO MATERIAL EXEMP TO TIME, 40 U.S.C THERETO, BY VIR	ION TO SUNDANCE SER DR/SHIPPER REPRESENTS TFROM THE RESOURCE, 5 6901, et seq., THE NM TUE OF THE EXEMPTION	VICES, INC:S ACCEPTANCE OF I S AND WARRANTS THAT THE V CONSERVATION AND RECOVER I HEALTH AND SAF, CODE § 361 AFFORDED DRILLING FLUIDS,	THE MATERIALS SHIPPED WITH THIS JOB VASTE MATERIAL SHIPPED HEREWITH IS Y ACT OF 1976, AS AMENDED FROM TIME 001 el seq., AND REGULATIONS RELATED PRODUCED WATERS, AND O'THEN WASTE
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TICKET, OPERATO MATERIAL EXEMP TO TIME, 40 U.S.C THERETO, BY VIR ASSOCIATED WIT GEOTHERMAL EN ALSO AS A CON	ION TO SUNDANCE SER DR/SHIPPER REPRESENT TO FROM THE RESOURCE 5 6901, et seq. THE MR TUE OF THE EXEMPTION TO FOT THE EXEMPTION TH THE EXPLORATION, D VERGY.	VICES, INC'S ACCEPTANCE OF I S AND WARRANTS THAT THE V CONSERVATION AND RECOVER I HEALTH AND SAF. CODE § 361 AFFORDED DRILLING FLUIDS, JEVELOPMENT OR PRODUCTIO ERVICES, INC'S ACCEPTANCE OI	THE MATERIALS SHIPPED WITH THIS JOB VASTE MATERIAL SHIPPED HEREWITH IS Y ACT OF 1976, AS AMENDED FROM TIME 001 el seq., AND REGULATIONS RELATED PRODUCED WATERS, AND O'THEN WASTE
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TICKET, OPERATI MATERIAL EXEM TO TIME, 40 U.S.C. THERETO, BY UR ASSOCIATED WIN GEOTHERMAL EN ALSO AS A CON TICKET, TRANSF OPERATOR/SHIPP FACILITY FOR DIS THIS WILL CER above described i	ION TO SUNDANCE SER DR/SHIPPER REPRESENTS PT FROM THE RESOURCE, 	VICES, INC'S ACCEPTANCE OF 5 S AND WARRANTS THAT THE V CONSERVATION AND RECOVER IHEALTH AND SAF, CODE 5 361 AFFORDED DRILLING FLUIDS, JEVELOPMENT OR PRODUCTIO ERVICES, INC'S ACCEPTANCE OI AND WARRANTS THAT OI S NOW DELIVERED BY TRANSP OPOLIT loaded the material repre-	THE MATERIALS SHIPPED WITH THIS JOB 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 F THE MATERIALS SHIPPED WITH THIS JOB NLY THE MATERIAL DELIVERED BY YORTER TO SUNDANCE SERVICES, INCS Sented by this Transporter Statement at the shipper. This will certify that no additional
TICKET, OPERATC MATERIAL EXEMP TO TIME, 40U.S.C. THERETO, BY URF ASSOCIATED WIN GEOTHERMAL EN ALSO AS A CON TICKET, TRANSF OPERATOR/SHIPP FACILITY FOR DIS THIS WILL CER above described i	ION TO SUNDANCE SER DR/SHIPPER REPRESENTS PT FROM THE RESOURCE, 	VICES, INC'S ACCEPTANCE OF I S AND WARRANTS THAT THE V CONSERVATION AND RECOVER HEALTH AND SAF. CODE S 361 AFFORDED DRILLING FLUIDS, JEVELOPMENT OR PRODUCTIO ERVICES, INC'S ACCEPTANCE OI AND WARRANTS THAT OI S NOW DELIVERED BY TRANSF DOUTER IDADEd the material repre endered by the above described	THE MATERIALS SHIPPED WITH THIS JOB 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 F THE MATERIALS SHIPPED WITH THIS JOB NLY THE MATERIAL DELIVERED BY YORTER TO SUNDANCE SERVICES, INCS Sented by this Transporter Statement at the shipper. This will certify that no additional
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	SUN	NDANCE SER RO. Box 1737 Eurike, New (575) 394-251	Mexico 88231	TICKET No.	237848
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LEASE	NAME: 1	INE 161 -	1812 - 26	77	9.889(919
TRAN	SPORTER CO	IMPANY: PASILIE	HUNY 1	·!	TIME 1: 32 AM/PM
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		Re-service Scours (CHALLY	MANP ALVERIDATE + 417-385 3401 - W	ww.FromeSupermarket.com	

P.O. Bax 1737 Eunico, New M (575) 394-2511		TICKET No. 29	7831
LEASE OPERATOR/SHIPPER/COMPANY:	u G		
LEASE NAME: 1110 161 - 1	RP 2477		
TRANSPORTER COMPANY: BASIN &	murica	TIME/7:	(5 AMUPM)
DATE: 3- 4/- / 3 VEHICLE NO: 8	GENERA	MANSHAWE: C. Str	rley
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LEASE OPERATO	R/SHIPPER/COMPANY:	SUG	
LEASE NAME:	Line 101 - 1	RP-2677	
TRANSPORTER C	OMPANY: BOSIL	Snura	TIME 16:550M
DATE:3-11-	13 VEHICLE NO:	GENERAL	DACOMPANY C. STORCCL
CHARGE TO:	JUG	RK A	AME NUMBER
· · · · · · · · · · · · · · · · · · ·			
		TYPE OF MATERIAL	
	1 Production Water	Drilling Fluids	[ ] Rinsate
·	1 Tank Bottoms	Contaminated Soil	[ ] Jet Out
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EASE OPERATOR	SHIPPER/COMPANY:	SUG	······
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RANSPORTER CO		Emple	TIME 9:37 (ANVPI
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		TYPE OF MATERIAL	
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LEASE OPERATOR/SHIPPER/CO	IMPANY: SIIG			
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JLL_SU	PO, Box 1737 Eunice, New J (575) 394-2511	Mexico 88231	TICKET No. 237998
LEASE OPERAT	OR/SHIPPER/COMPANY:	U G	
LEASE NAME:	Line K. IRI	P.2677	
TRANSPORTER	COMPANY: PASIII	FULLILMEISTAL	TIME /2; 2 AMOPM
DATE: 3-5-	-13 VEHICLENO: 8	GENERATO	WYSHAME C. SHALLCLA
CHARGE TO:	SUL	RIGNA	
		10000	
		TYPE OF MATERIAL	
	[ ] Production Water	] Drilling Fluids	[] Rinsate
5 mg	I Tank Bostoms	XI Contaminated Soil	1 1 Jet Out
<b>-</b> ^	1 3 Solids	[ ] BS&W Content:	I Call Out
Descri	ption:D	<u>, ID</u>	
RBC or API #			
NOT DEPENDENT			C-133#
VOLUME OF M	ONDITION TO SUNDANCE SERVI	: XI YARD L	: ():
VOLUME OF M. AS A C TICKET, OI MATERIAL TO TIME, 4 THERETO, ASSOCIATI GEOTHERN ALSO AS TICKET. T OPERATOR FACILITY F THIS WIL. above desc	ONDITION TO SUNDANCE SERVI PERATORSHIPPER REPRESENTS EXEMPT FROM THE RESOURCE, C OU.S.C. 5 6901, et seq. THE NMI BY VIRTUE OF THE EXEMPTION / ED WITH THE EXPLORATION, DE WAL ENERGY. A CONDITION TO SUNDANCE SE IRANSPORTER REPRESENTS / VSHIPPER TO TRANSPORTER IS OR DISPOSAL. L CERTIFY that the above Transpo vibed location, and that it was te		I I     I
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P.O. Bax 1737 Eunite, New Mexie (575) 394-2511	co 8a231 TICI	KET No. 237958
LEASE OPERATOR/SHIPPER/COMPANY: 5/16	7	
LEASE NAME: LINE 160- 1R	P 2677	
TRANSPORTER COMPANY: Basin S	nunce.	TIME / 1:52AM
DATE: 3-5-13 VEHICLE NO: 5	GENERATOR COM	MEC. STANLEY
CHARGE TO: 511G	RIG HAALL AND NUMBER	J
TY	PE OF MATERIAL	
[ ] Production Water	Drilling Fluids	[ ] Rinsate
I 1 Tank Bottoms	KI Contaminated Soil	[] Jet Out
f   Solids	[ ] BS&W Content:	Call Out
Description: 01	D	
RRC or API #		C-133#
VOLUME OF MATERIAL     BBLS	: XIYARD 12	: []
AS A CONDITION TO SUNDANCE SERVICES, TICKET, OPERATOR/SHIPPER REPRESENTS AND MATERIAL EXEMPT FROM THE RESOURCE, CONS	INCIS ACCEPTANCE OF THE MATER WARRANTS THAT THE WASTE MAT SERVATION AND RECOVERY ACT OF 15	IALS SHIPPED WITH THIS LOB ERIAL SHIPPED HEREWITH IS 176, AS AMENDED FROM TIME
AS A CONDITION TO SUNDANCE SERVICES, TICKET, OPERATORYSHIPPER REPRESENTS AND	INC:S ACCEPTANCE OF THE MATER DWARRANTS THAT THE WASTE MAT SERVATION AND RECOVERY ACT OF 19 TH AND SAF. CODE 5 361.001 et seq. RIDED DRILLING FLUIDS, PRODUCED DPMENT OR PRODUCTION OF CRUE ES, INC:S ACCEPTANCE OF THE MATER WARRANTS THAT ONLY THE W DELIVERED BY TRANSPORTER TO Violaded the material represented by the ed by the above described shipper. Thi	IALS SHIPPED WITH THIS JOB ERIAL SHIPPED WITH THIS JOB ERIAL SHIPPED HEREWITH IS 376, AS AMENDED FROM TIME AND REGULATIONS RELATED WATERS, AND OTHER WASTE DE OIL OR NATURAL GAS OR RIALS SHIPPED WITH THIS JOB MATERIAL DELIVERED BY SUNDANCE SERVICES, INC.S IS Transporter Statement at the s will cettify that no additional
AS A CONDITION TO SUNDANCE SERVICES, TICKET, OPERATOR/SHIPPER REPRESENTS AND MATERIAL EXEMPT FROMTHE RESOURCE, CONS TO TIME, 40 U.S.C. § 6501, et seq., THE NM HEAL THERETO, BY VIRTUE OF THE EXEMPTION AFFO ASSOCIATED WITH THE EXPLORATION, DEVELO GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SERVIC TICKET, TRANSPORTER REPRESENTS AND OPERATOR/SHIPPER TO TRANSPORTER IS NOV FACILITY FOR JOSPOSAL THIS WILL CERTIFY that the above Transporter reported described location, and that it was tender materials were added to this load, and that it here DRIVER: BOOLDED FACILITY REPRESENTATIVE: GEOREDE	INCIS ACCEPTANCE OF THE MATER D WARRANTS THAT THE WASTE MAT SERVATION AND RECOVERY ACT OF 19 INAND SAF CODE 5 361001 et soq. RIDED DRILLING FLUIDS, PRODUCED DOPMENT OR PRODUCTION OF CRUE ES, INCIS ACCEPTANCE OF THE MATEH WARRANTS THAT ONLY THE W DELIVERED BY TRANSPORTER TO reladed the material represented by the aterial was delivered without incident.	IALS SHIPPED WITH THIS JOB ERIAL SHIPPED WITH THIS JOB ERIAL SHIPPED HEREWITH IS 376, AS AMENDED FROM TIME AND REGULATIONS RELATED WATERS, AND OTHER WASTE DE OIL OR NATURAL GAS OR RIALS SHIPPED WITH THIS JOB MATERIAL DELIVERED BY SUNDANCE SERVICES, INC.S IS Transporter Statement at the s will cettify that no additional

P.O. Box 1737 E	SERVICES, Inc. unite, New Mexico 88231 751 394-2511	TICKET No. 288029
LEASE OPERATOR/SHIPPER/COMPA	NY: SILL	
LEASE NAME:	1-161 1111	
TRANSPORTER COMPANY	5.11 6 Mate	TIME 2 14 JAM/PA
DATE & C. 12, VEHICL	END: U V	MAN'S NAME
CHARGE TO:		RIG NAME AND NUMBER
		AND NOARDER
	TYPE OF MATERIAL	
[] Production	Water ( ) Drilling Fluids	[ ] Rinsate
) I Tank Bottor	ns () Contaminated Soil	] Jet Out
l l Solids	[] BS&W Content:	[ ] Call Out
Description:	<u> </u>	
RRC or API #		C+133ø
VOLUME OF MATERIAL     BBLS.	i VI YARD	3 : 11
MATERIAL EXEMPT FROM THE RE	SOURCE, CONSERVATION AND RECOVER	ASTE MATERIAL SHIPPED HEREWITH IS
TO TIME, 40 U.S.C. 5 6901, et seq THERETO, BY VIRTUE OP THE EXI ASSOCIATED WITH THE EXPLOR GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUN TICKET. TRANSPORTER REPRI OPERATOR/SHIPPER TO TRANSP FACILITY FOR DISPOSAL THIS WILL CERTIFY that the ab above described location, and the	THE MM HEALTH AND SAF. CODE 5-361. EMPTION AFFORDED DRILLING FLUIDS, ATTON, DEVELOPMENT OR PRODUCTIO DANCE SERVICES, INC.'S ACCEPTANCE OF SENTS AND WARRANTS THAT ON ORTER IS NOW DELIVERED BY TRANSP OVE Transporter loaded the material represt It it was tendered by the abave described.	001 et seq. ÄND REGULATIONS RELATED PRODUCED WATERS, AND OTHER WASTE IN OF CRUDE OIL OR NATURAL GAS OR THE MATERIALS SHIPPED WITH THIS JOB LLY THE MATERIAL DELIVERED BY ORTER TO SUNDANCE SERVICES, INC:S iented by this Transporter Statement at the shipper. This will certify that no additional
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TO TIME, 40 U.S.C. 5 6901, et seq THERENG BY VIRTUE OF THE EXI ASSOCIATED WITH THE EXPLOR GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUN TICKET. TRANSPORTER REPRI OPERATORSHIPPER TO TRANSP FACILITY FOR DISPOSAL THIS WILL CERTIFY that the ab obove described location, and the materials were added to this bad. DRIVER:	THE MM HEALTH AND SAF. CODE 5-361. EMPTION AFFORDED DRILLING FLUIDS, ATTON, DEVELOPMENT OR PRODUCTIO DANCE SERVICES, INC.'S ACCEPTANCE OF SENTS AND WARRANTS THAT ON ORTER IS NOW DELIVERED BY TRANSP OVE Transporter loaded the material represt It it was tendered by the abave described.	001 et seq. ÄND REGULATIONS RELATED PRODUCED WATERS, AND ÖTHER WASTE N OF CRUDE OIL OR NATURAL GAS OR THE MATERIALS SHIPPED WITH THIS JOB ALY THE MATERIAL DELIVERED BY ORTER TO SUNDANCE SERVICES, INC:S ented by this Transporter Statement at the shipper. This will certify that no additional

lanta su	P.O. Box 1737 Eunice, New (575) 394-251	Mexico 88231	TICKET No.?	238258
LEASE OPERATO	R/SHIPPER/COMPANY:	SILG	And a second	
LEASE NAME:	Line 111-	1817-26	77	
TRANSPORTER	COMPANY: BOSII	Envira	אד	WE 3: DEAM
DATE: 3-1	- 13 VEHICLE NO:	\$	GENERATOR COMPANY C	. Stanle
CHARGE TO:	3116		RIG NAME AND NUMBER	
CHARGE 10.		*****	E AND NUMBER	
		TYPE OF MATERIAL		
	[] Production Water	1 Drilling Fluids	[ ] Rinsate	2
	Tank Bottoms	X I Contaminated S	oil [] Jet Out	ı
	1   Solids	I I BS&W Content:	I I Call Ou	а
Dent	L	·/p		
Descrip	RION:		C-133#	
RRC or API #		/		
TICKET, OP	ERATOR/SHIPPER REPRESENTS		E WASTE MATERIAL SHIP	PPED HEREWITH IS
TICKEF, OP MATERIAL, 1 TO TIME, 4 THERETO, 1 ASSOCIATE GEOTHERA ALSO AS TICKET, TI OPERATOR FACILITY FI THIS WILL above desc materials w	SNDITION TO SUNDANCE SERV REATORSHIPPER REPRESENTS EXEMPT FROM THE RESOURCE, U.S.C. § 6901, et seq. THE NM BY VIRTUE OF THE EXEMPTION, D ID WITH THE EXPLORATION, D	AND WARRANTS THAT THI CONSERVATION AND RECOV HEALTH AND SAF. CODE 3 AFFORDED DIRILLING FLUID EVELOPMENT OR PRODUCT ERVICES, INC:S ACCEPTANCE AND WARRANTS THAT NOW DELIVERED BY TRAI PORTER loaded the material rep endered by the above describ	E WASTE MATERIAL SHII 'ERY ACT OF 1976, AS AM 61.001 et scg., AND REG (S, PRODUCED WATERS, J RION OF CRUDE OIL OR OF THE MATERIALS SHIP ONLY THE MATERIAL VSPORTER TO SUNDANC presented by this Transpor ed shipper. This will certif	PPED HEREWITH IS LENDED FROM TIME ULATIONS RELATED AND OTHER WASTE NATURAL GAS OR PPED WITH THIS JOB DELIVERED BY CE SERVICES, INC.'S THE SIGTEMENT OF THE

	NDANCE SEP PO Bax 1737 Eunice, Ne (575) 394-2	ew Mexico 88231	TICKET No.3	230233
EASE OPERATOR	R/SHIPPER/COMPANY:	5116	and the second secon	
EASÊ NAME:	Line 101	- 1R11-267	7	
RANSPORTER C	OMPANY: Pin +	SIN FININE .	TIME	1:5-7 AM/PM:
DATE: 3-1.	- 1 3 VEHICLE NO:	S GE	ERATOR COMPANY	Stanler
HARGE TO:	5112		NG NAME. AND FRIMBER	
eristaaligi taa ah merina jage asilitiitti tees Mistaali a digitti ( iyo digisaa asoo damataa	in the second		NIT I III III	
		TYPE OF MATERIAL		
	[ ] Production Water	L Drilling Fluids	[ ] Rinsate	
	[ ] Tank Bottoms	Contaminated Soll	( ) Jet Out	
,	I. I Solids	( ) BSBW Contents	Call Out	
Descript	lon:	UD		
RC or API #		letter Marillan in an de la la constante de la	C-133#	
OLUME OF MAT	ERIAL   188LS.	: MARD	12 :	[]
MATERIAL EX TO TIME, 401 THERETO, BY	KEMPTFROM THE RESOURCE U.S.C. § 6901, et seq., the N ( VIRTUE OF THE EXEMPTION ) WITH THE EXPLORATION; NLENERGY.	TS ÁND WARRANTS THAT THE W, E, CONSERVATION AND RECOVERY M HEALTH AND SAF, CODE & 361.0 N AFFORDED DRILLING FLUIDS, P DEVELOPMENT OR PRODUCTION SERVICES, INC'S ACCEPTANCE OF AND WARRANTS THAT ON	ACTOF 1976, AS AMENI ROI et sequ AND REGULA RODUCED WATERS, AND I OF CRUDE OIL OR NA THE MATERIALS SHIPPED LY THE MATERIAL (	DED FROM TIME TIONS RELATED O OTHER WASTE TURAL GAS OR DWITH THUS JOB
ALSO AS A TICKET. TRA OPERATORIS FACILITY FOI THIS WILL C above descrit	R DISPOSAL CERTIFY that the above Tran bed location, and that it was	IS NOW DELIVERED BY TRANSPO reporter loaded the induerial repress i tendered by the above described s at the material was delivered withou	inted by this Transporter : hipper. This will certify th	ERVICES, INC'S
ALSO AS A TICKET. TRJ OPERATOR/S FACILITY FOI THIS WILL d above descrit materials we DRIVER:	HIPPER TO TRANSPORTER R DISPOSAL CERTIFY that the above tran bed location, and that it was	IS NOW DELIVERED BY TRANSPO sporter loaded the material repress tendered by the above described s	inted by this Transporter : hipper. This will certify th	ERVICES, INC'S

-#F <sup>SU</sup>	RO. Box 1737 Euriko, New (575) 394-251	Mexico 88231	TICKET No. 280	209
LEASE OPERATO	NSHIPPER/COMPANY:	SUA		
LEASE NAME:	June 161-	1819-2677		*****
TRANSPORTER C	OMPANY: BOSIN	Emilian	TIME/2;	MAMI
DATE: 3- Lo-	1 VEHICLE NO:	dinde/	MANSHAME C , STAIN	las
CHARGE TO:	540	RK 7 ANT	NAME, D MUMBER	d
den - Januar Indenetia I. angan maninggana. Ana - Januar Indenetia I. angan maninggana angan	andra an gan an a	TYPE OF MATERIAL	n felder eine ander einen e Herrichten eine felder einen	
	I Production Water	[ ] Drilling Fluids	( ) Rinsate	
	Tank Bottoms	V Contaminated Soil	i jet Out	
	[ ] Solids	I J-BS&W Content:	[ ] Call Out	
Descrip	ion:	OID	•	
RRC or API #	and a second	9. an	C-133#	ktori ostron name omnaga
TICKET, OPE	NDITION TO SUNDANCE SERV RATORISHIPPER REPRESENTS XEMPT FROM THE RESOURCE;	VICES. INC'S ACCEPTANCE OF THE S AND WARRANTS THAT THE WAS CONSERVATION AND RECOVERY AN IHEALTH AND SAF. CODE STAG JOI	TE MATERIAL SHIPPED HERE CT OF 1976, AS AMENDED FRO	WITH IS
AŠ A CO TICKET. OPP MATERIALE TO TIME, 40 THERETO, B ASSOCIATEI GEOTHERM, ALSO AS A TICKET. TR OPERATORY FACILITY FO THIS WILL above desci materials we DRIVER:	NDITION TO SUNDANCE SERI RATOWSHIPPER REPRESENTS XEMPTFROMTHE RESOURCE, XUS., \$ 6901, et seq., THE NM VIRTUE OF THE EXEMPTION D WITH THE EXPLORATION, D NUTHE THE EXPLORATION, D NUTHE THE EXPLORATION, D NUTHER TO THANDORTER IS R DISPOSAL CERTIFY that the abave Trâns bed location, and that if was to	VICES, INC'S ACCEPTANCE OF THE 5 AND WARRANTS THAT THE WAS CONSERVATION AND RECOVERY AI HEALTH AND SAF, CODE 5 361 JOI AFFORDED DRILLING FLUIDS, PRO DEVELOPMENT OR PRODUCTION C ERVICES, INC'S ACCEPTANCE OF TH AND WARRANTS THAT ONLY S NOW DELIVERED BY TRANSPOR Inporter loaded the material represent endered by the above described ship the material was delivered without i	MATERIALS, SHIPPED WITH T TE MATERIAL SHIPPED HIRE CT OF 1976, AS AMENDED FRO I et seq. AND REGULATIONS I DDUCED WATERS, AND OTHER DDUCED WATERS, AND OTHER THE MATERIAL DELIVER TER TO SUNDANCE SERVICE WILL WILL STANSPORT Statemen opper. This will certify that no ac	WITH IS OM TIME RELATED R WASTE GAS OR THIS JOB RED BY S, INC.5 Int of the
AS A CO TICKET. OPP MATERIALE TO TIME, 40 THERETO, B ASSOCIATE GEOTHERM, ALSO AS A TICKET. TR OPERATORY FACILITY FO THIS WILL above desci materials we DRIVER:	NDITION TO SUNDANCE SERV RATORSHIPPER REPRESENTS KEMPTFROM THE RESOURCE. U.S.C. \$ 6901, et sed., THE NM VIRTUE OF THE EXEMPTION D WITH THE EXPLORATION, D AL ÉNERGY. .CONDITION TO SUNDANCE S ANSPORTER REPRESENTS SIMPER TO TRANSPORTER IS R DISPOSAL CERTIFY that the above trans bed location, and that it was to re added to this load, and that	VICES, INC'S ACCEPTANCE OF THE 5 AND WARRANTS THAT THE WAS CONSERVATION AND RECOVERY AI HEALTH AND SAF, CODE 5 361 DOI AFFORDED DRILLING FLUIDS, PRO DEVELOPMENT OR PRODUCTION C ERVICES, INC'S ACCEPTANCE OF TH AND WARRANTS THAT ONLY S NOW DELIVERED BY TRANSPOR Upprier loaded the material represent endered by the above described ship	MATERIALS, SHIPPED WITH T TE MATERIAL SHIPPED HIRE CT OF 1976, AS AMENDED FRO I et seq. AND REGULATIONS I DDUCED WATERS, AND OTHER DDUCED WATERS, AND OTHER THE MATERIAL DELIVER TER TO SUNDANCE SERVICE WILL WILL STANSPORT Statemen opper. This will certify that no ac	WITH IS OM TIME RELATED RWASTE GAS OR THIS LOB LED BY S, INC.S

SUNI	P.O., Box 1737 Eunice, New 1 (575) 394-2511	Viexico 88231	TICKET No. 200181
LEASE OPERATOR/SH	IPPÉR/COMPANY: -5	UG	
LEASE NAME: / ,	ne 111-11	20-21.77	
TRANSPORTER COMP	ANY: FASINS	many	TIME / 1:1.7 (AM/
DATE: 3-6-13	VEHICLE NO:	8 GLMRM	TOR COMPANY ( , Str. 1 1
CHARGE TO:	KII A	RG	KAME
		TYPE OF MATERIAL	
	1 Production Water	1 ) Drilling Fluids	[] Rinsate
	Tank Bottoms	12 Contaminated Soil	I Jet Out
1	L ) Solids	[ ] BS&W Content:	1 1 Call Out
Description:	L	<u>-   A</u>	
RRC or API #			C-133#
JOLUME OF MATERIA	L   BBLS.	: NA YARD	$2_{-}:11$
			MATERIALS SHIPPED WITH THIS JOB TE MATERIAL SHIPPED HEREWITH IS
TICKET, OPERATI MATERIAL EXEMI TO TIME, 40 U.S.C. THERETO, BY VIR ASSOCIATED, WIT GEOTHERMAL EN ALSO AS A CON TICKET. TRANSF OPERATORYSHIPP FACILITY FOR DIS THIS WILL CER: above described in materials were ad	DRUSHIPPÈR REPRESENTS PT FROM THE RESOURCE (C. 5 6901, et acq. THE NM H TUE OF THE EXEMPTION A IN THE EXPLORATION, DE LERGY. IDITION TO SUNDANCE SEL PORTER REPRESENTS A PORTER REPRESENTS A PORTER REPRESENTS A TIFY that the above Transpo Goration, and that it was tet	AND WARRANTS THAT THE WAST CONSERVATION AND RECOVERY AC TRAITH AND SAF. CODE 5 561.001 LFFORDED DRILLING FLUIDS, PRO VELOPMENT OR PRODUCTION O RVICES, INC:S ACCEPTANCE OF TH IND WARRANTS THAT ONLY NOW DELIVERED BY TRANSPORT ofter loaded the material represent	IE MATERIAL SHIPPED HEREWITH IS TO F 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE F CRUDE OIL OR NATURAL GAS OR EMATERIALS 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
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P.O. Box 1737 Eunice, New N (575) 394-2511	VICES, Inc. Aexico 88231	TICKET No.230159
LEASE OPERATOR/SHIPPER/COMPANY:	116	
LEASE NAME: Line 101 -	1RP 2677	
TRANSPORTER COMPANY: Basin	Suller	TIME 9:53 AM
DATE: 3-1-13 VEHICLE NO: 9	GENERATO	ANSMANE P. Stanle
CHARGE TO: SILL	RG NA AND N	KE Dani B
en senen an en		
	TYPE OF MATERIAL	
[ ] Production Water	[ ] Drilling Fluids	Rinsate
[ ] Tank Bottoms	XI Contaminated Soil	I Jet Out
[] Solids	1 1 858W Content:	[] Call Out
Description:	<u>&gt;//&gt;</u>	an an far an
RRC or API #		C-133#
VOLUME OF MATERIAL    BBLS	: XI YARD	: 11
AS A CONDITION TO SUNDANCE SERVIC TICKET, OPERATOR/SHIPPER REPRESENTS A MATERIAL EXEMPT FROM THE RESOURCE, CO TO TIME, 40 U.S.C. 5 6901, est seq. THE MM H THERETO, BY VIRTUE OF THE EXEMPTION AI	AND WARRANTS THAT THE WASTE DNSERVATION AND RECOVERY ACT EALTH AND SAF. CODE § 361,001 et	MATERIAL SHIPPED HEREWITH IS DF 1976, AS AMENDED FROM TIME seq., AND REGULATIONS RELATED
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₽	NDANCE SE P.O. Box 1737 Eunice, N (575) 394-		TICKET Ńoż	236134
EASE OPERATO	R/SHIPPER/COMPANY;	SILA		
EASE NAME:	1 in 141	184-7677		
RANSPORTER	OMPANY: Prasin	Spine.	TIN	ES: 1/3 (AM/PM
ATE: 3-10	-13 VEHICLE NO:	\$	GENERATOR COMPANY ANALY MANYS NAME: 1	Starley
HARGE TO:	SILCA		NG NAME AND NUMBER	j
********		TYPE OF MATERIAL		
	1 Dand winn Mars		t 1 0	
	Production Water     I Tank Bottoms	I Drilling Fluids	[] Rinsate ail [] Jet Out	
	I I Solids	I BS&W Content:	l Call Out	
	_	r la	i i canou	
Descript	ion:	<u></u>		
RC or API #			C-133#	
OLUME OF MAT	TERIAL   ]BBLS			[]
TICKET, OPE MATERIAL E TO TIME, 40 THERETO, B	RATOR/SHIPPER REPRESEN XEMPT FROM THE RESOURC U.S.C. § 6901, eL seq., THE N Y VIRTUE OF THE EXEMPTIC D WITH THE EXPLORATION,	ERVICES, INC'S ACCEPTANCE O KTS AND WARRANTS THAT THE CE, CONSERVATION AND RECO VIM HEALTH AND SAF. CODE § 31 DR AFFORDED DRILLING FLUID , DEVELOPMENT OR PRODUCT	WASTE MATERIAL SHIPI ERY ACT OF 1976, AS AME 51.001 et seq., AND REGU 5, PRODUCED WATERS, AV	PED HEREWITH IS NDED FROM TIME LATIONS RELATED ND OTHER WASTE
TICKET, TR OPERATOR/	ANSPORTER REPRESENTS	E SERVICES, INC'S ACCEPTANCE 5 AND WARRANTS THAT 8 IS NOW DELIVERED BY TRAN	ONLY THE MATERIAL	DELIVERED BY
FACILITY FO	CERTIFY that the above Tra	insporter loaded the material rep		
THIS WILL above descri	bed location, and that it wa	at the material was delivered wil		
THIS WILL above descri materials we DRIVER:	bed location, and that it wa	sat the material was delivered wil	hout incldent.	1921 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -
THIS WILL above descri materials we DRIVER:	ibed location, and that it wa we added to this load, and th	sat the material was delivered wil		
THIS WILL above descri materials we DRIVER:	ibed location, and that it wa we added to this lood, and th country IEPRESENTATIVE:	sat the material was delivered wil	hour inchdent.	**************************************

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ur sur ∰	VDANCE SER 80. Box 1737 Eunice, New (\$75) 394-251	Mexico 88231	TICKET No	230462
LEASE OPERATOR	SHIPPER/COMPANY:	SIIG		
LEASE NAME:	1118 161	- 1RP= 26	.77	
TRANSPORTER CO		<b>K</b> -	TIME	2:1/S ANVPM)
DATE: 3-7	-13 VEHICLE NO:		ENERATOR COMPANY	STANLES
CHARGE TO:	3116		AND NAME	/
			I NE RUBLE	
		TYPE OF MATERIAL		
	[ ] Production Water	Drilling Fluids	[] Rinsate	1
•	[] Tank Bottoms	Contaminated Sol	[] Jet Out	
-	( ) Solids	1   BS&W Content:	[ ] Call Out	
Descripti	on:	LIP		
RRC or API #			C-133#	
AS A CON	DITION TO SUNDANCE SERV		THE MATERIALS SHIPPED	
TICKET, OPER MATERIAL EX TO TIME, 40 U HERETO, BY ASSOCIATED GEOTHERMAI ALSO AS A O TICKET, TRA OPERATORS FACILITY FOR THIS WILL C above describ	IDITION TO SUNDANCE SERV ANDRYSHIPPER REPRESENTS EMPTFROM THE RESOURCE, S.C. 5 6901, et seq. THE NM VIRTUE OF THE EXEMPTION WITH THE EXPLORATION, D L ENERGY. CONDITION TO SUNDANCE SI NSPORTER REPRESENTS HIPPER TO TRANSPORTER IS DISPOSAL SERTIFY that the above Trans, ERTIFY that the above Trans,	ACES, INC'S ACCEPTANCE OF AND WARRANTS THAT THE I CONSERVATION AND RECOVER IHEALTH AND SAF. CODE 53 861 AFFORDED DRILLING FLUIDS, IEVELOPMENT OR PRODUCTIO ERVICES, INC'S ACCEPTANCE O AND WARRANTS THAT O S NOW DELIVERED BY TRANS PORTE/ IDODEd the material repro- endered by the above described	THE MATERIALS SHIPPED WASTE MATERIAL SHIPPED YACT OF 1976, AS AMENE OOI et seg., AND REGULA PRODUCED WATERS, AND NO OF CRUDE OIL OR NA F THE MATERIALS SHIPPED NLY THE MATERIAL E PORTER TO SUNDANCE S Stented by this Transporter S shipper. This will certify the	WITH THIS JOB D HEREWITH IS DED FROM TIME TIONS RELATED I OTHER WASTE TURAL GAS OR WITH THIS JOB DELIVERED BY ERVICES, INC.'S Statement at the
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P.O. Box 1737 Eunice, New / (575) 394-2511		TICKET No. 23847	8
LEASE OPERATOR/SHIPPER/COMPANY:	SIIG		
LEASE NAME: / 1114 /61 - 11	RP- 2677		
TRANSPORTER COMPANY: Pasii S	Supirer	and in the second se	AMIT
DATE: 3. 17. 13 VEHICLE NO:	S GENERATO	ANSNAUT (, Stan)	lei
CHARGE TO: SILG	RG NAL AND IN	KE IMBER	
	TYPE OF MATERIAL		
L   Production Water	[ ] Drilling Fluids	( ) Rinsate	
L   Tank Bottoms	Contaminated Soil	[ ] Jet Out	
- I Solids	1 ] BS&W Content:	[ ] Call Out	
	IN .		
Description:D/	<u> </u>		
RRC or API #		C-133#	
VOLUME OF MATERIAL     BBLS.	34		
AS A CONDITION TO SUNDANCE SERVI TICKET, OPERATOR/SHIPPER REPRESENTS	AND WARRANTS THAT THE WASTE	MATERIAL SHIPPED HEREWITH	1 15
AS A CONDITION TO SUNDANCE SERVI	ICES, INC:S ACCEPTANCE OF THE M AND WARRANTS THAT THE WASTE CONSERVATION AND RECOVERY ACT HEALTH AND SAF. CODE § 361.001 et AFFORDED DRILLING FLUIDS, PRODU EVELOPMENT OR PRODUCTION OF ERVICES, INC:S ACCEPTANCE OF THE A AND WARRANTS THAT ONLY T NOW DELIVERED BY TRANSPORTE!	ATERIALS SHIPPED WITH THIS J MATERIAL SHIPPED HEREWITH OF 1976, AS AMENDED FROM TH SIG, AND REQULATIONS RELAT JCED WATERS, AND OTHER WA CRUDE OIL OR NATURAL GAS MATERIALS SHIPPED WITH THIS J HE MATERIAL DELIVERED B TO SUNDANCE SERVICES, IN by this Transporter Statement at	H IS IME IED STE OR IOB BY IC'S Ibe
AS A CONDITION TO SUNDANCE SERVI TICKET, OPERATOR/SHIPPER REPRESENTS MATERIAL EXEMPT FROM THE RESOURCE C TO TIME, 40 U.S.C. 56001, et seq., THE NMI THERETO, BY VIRTUE OF THE EXEMPTION A ASSOCIATED WITH THE EXPLORATION, DE GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SEE 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 tee materials were added to this load, and that it	ICES, INC.'S ACCEPTANCE OF THE MA AND WARRANTS THAT THE WASTE CONSERVATION AND RECOVERY ACT HEALTH AND SAF. CODE 9361.001 et AFFORDED DRILLING FLUIDS, PRODU EVELOPMENT OR PRODUCTION OF IRVICES, INC.'S ACCEPTANCE OF THE A AND WARRANTS THAT ONLY T NOW DELIVERED BY TRANSPORTE DOUTER loaded the material represented indered by the above described shippe	ATERIALS SHIPPED WITH THIS J MATERIAL SHIPPED WITH THIS J MATERIAL SHIPPED HEREWITH Seq. AND REGULATIONS RELAI JCED WATERS, AND OTHER WA: CRUDE OIL OR NATURAL GAS MATERIALS SHIPPED WITH THIS J HE MATERIAL DELIVERED R TO SUNDANCE SERVICES. IN by this Transporter Statement of 1. This will certify that no additio	H IS IME IED STE OR IOB BY IC'S Ibe
AS A CONDITION TO SUNDANCE SERVI TICKET, OPERATORISHIPPER REPRESENTS MATERIAL EXEMPT FROM THE RESOURCE ( TO TIME, 40 U.S.C. 5 6001, 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 / OPERATORISHIPPER TO TRANSPORTER IS FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above fransp above described location, and that it was te	ICES, INC.'S ACCEPTANCE OF THE MA AND WARRANTS THAT THE WASTE CONSERVATION AND RECOVERY ACT HEALTH AND SAF. CODE 9361.001 et AFFORDED DRILLING FLUIDS, PRODU EVELOPMENT OR PRODUCTION OF IRVICES, INC.'S ACCEPTANCE OF THE A AND WARRANTS THAT ONLY T NOW DELIVERED BY TRANSPORTE DOUTER loaded the material represented indered by the above described shippe	ATERIALS SHIPPED WITH THIS J MATERIAL SHIPPED WITH THIS J MATERIAL SHIPPED HEREWITH Seq. AND REGULATIONS RELAI JCED WATERS, AND OTHER WA: CRUDE OIL OR NATURAL GAS MATERIALS SHIPPED WITH THIS J HE MATERIAL DELIVERED R TO SUNDANCE SERVICES. IN by this Transporter Statement of 1. This will certify that no additio	H IS IME IED STE OR IOB BY IC'S Ibe
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±μ⊑`sι	INDANCE SE RO, Box 1737 Eunice, I (575) 394		TICKET No? 230449
LEASE OPERAT	OR/SHIPPER/COMPANY:	SILG	
LEASE NAME:	Line 161 -	- TRP - 76-	77
TRANSPORTER	COMPANY: Ra	Sin Smith	TIME - DOAM
DATE: 3- (	7-13 VEHICLENO:	8 GINE	MANSNAME A. STONLO
CHARGE TO:	5110	7	G NAME ID MUMBER
		THOS OF MAXEDIAL	
		TYPE OF MATERIAL	
	Production Water		[] Ainsate
	<ul> <li>Tank Bottoms</li> <li>Solids</li> </ul>	K Contaminated Soll	Jet Out
	1 20103	I BS&W Content:	[ ] Call Out.
Descrij	ption:		
RRC or API #			C-133#
VOLUME OF M	· · ·		
AS A CO		ERVICES, INC'S ACCEPTANCE OF THE	MATERIALS SHIPPED WITH THIS JOB
AS A CC TICKET, OF MATERIAL TO TIME, 44 THERETO, I ASSOCIATE GEOTHERA ALSO AS TICKET. TI OPERATOR FACILITY FI CHITY FI THIS WILL above desc	ONDITION TO SUNDANCE S PERATORSHIPPER REPRESE EXEMPT FROM THE RESOURD U.S.C. \$ 6901, et use, THE BY VIRTUE OF THE EXEMPTIN ED WITH THE EXPLORATION AAL ENERGY. A CONDITION TO SUNDANCI RANSPORTER REPRESENTS VISHIPPER TO TRANSPORTED DISPOSAL. CERTIFY that the above Tra- thed location, and that it was	ERVICES, INC'S ACCEPTANCE OF THE MTS AND WARRANTS THAT THE WAS C. CONSERVATION AND RECOVERY A NM HEALTH AND SAF. CODE § 361.00 ON AFFORDED BRILLING FLUTOS, PR I, DEVELOPMENT OR PRODUCTION ( E SERVICES, INC'S ACCEPTANCE OF TH S AND WARRANTS THAT ONLY R IS NOW DELIVERED BY TRANSPOR aniparter loaded the material represen	E MATERIALS SHIPPED WITH THIS JOB STE MATERIAL SHIPPED HEREWITH IS ICT OF 1976 AS AMENDED FROM TIME 1 es seq. AND REGULATIONS RELATED DOUCED WATERS, AND OTHER WASTE OF CRUDE OIL OR NATURAL GAS OR HE MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY ITER TO SUNDANCE SERVICES, INC:S Ited by this Transporter Statement at the paper. This will certify that no additional
AS A CC TICKET, OF MATERIAL TO TIME, 44 THERETO, I ASSOCIATE GEOTHERA ALSO AS TICKET. TI OPERATOR FACILITY FI CHITY FI THIS WILL above desc	ONDITION TO SUNDANCE S PERATORSHIPPER REPRESE EXEMPT FROM THE RESOUR OUS.C. \$ 6901, et use, THE BY VIRTUE OF THE EXEMPTIN ED WITH THE EXPLORATION AAL ENERGY. A CONDITION TO SUNDANCI RANSPORTER REPRESENTS VISHIPPER TO TRANSPORTED DISPOSAL. CERTIFY that the above Tra- thed location, and that it was	ERVICES, INC'S ACCEPTANCE OF THE NTS AND WARRANTS THAT THE WAS CE, CONSERVATION AND RECOVERY A NM HEALTH AND SAF. CODE § 361,00 OM AFFORDED DRILLING FLUTOS, PR I, DEVELOPMENT OR PRODUCTION ( E SERVICES, INC'S ACCEPTANCE OF TH S AND WARRANTS THAT ONLY R IS NOW DELIVERED BY TRANSPOR anipporter loaded the material represen is tendered by the above described shi	E MATERIALS SHIPPED WITH THIS JOB STE MATERIAL SHIPPED HEREWITH IS ICT OF 1976 AS AMENDED FROM TIME 1 es seq. AND REGULATIONS RELATED DOUCED WATERS, AND OTHER WASTE OF CRUDE OIL OR NATURAL GAS OR HE MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY ITER TO SUNDANCE SERVICES, INC:S Ited by this Transporter Statement at the paper. This will certify that no additional
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AS A CC TICKET, OF MATERIALI TO TIME, 44 THERETO, I ASSOCIATE GEOTHERA ALSO AS TICKET. TI OPERATOR FACLITY H THIS WILL obove desc materials w DRIVER:	ONDITION TO SUNDANCE S FERATORYSHIPPER REPRESE EXEMPT FROM THE RESOUR OUSC. 5 6901, et seq. THE I BY VIRTUE OF THE EXEMPTIN ED WITH THE EXPLORATION AL ENERGY. A CONDITION TO SUNDANCI RANSPORTER REPRESENT SHIPPER TO TRANSPORTER OR DISPOSAL. CERTIFY that the above Tra- field location, and that it we rere added to this load, and the Metere added to this load, and the MEDICAL STATES REPRESENTATIVE:	ERVICES, INC'S ACCEPTANCE OF THE NTS AND WARRANTS THAT THE WAS CE, CONSERVATION AND RECOVERY A NM HEALTH AND SAF. CODE § 361,00 OM AFFORDED DRILLING FLUTOS, PRO- I, DEVELOPMENT OR PRODUCTION ( E SERVICES, INC'S ACCEPTANCE OF TH S AND WARRANTS THAT ONLY R IS NOW DELIVERED BY TRANSPOR anipparter loaded the material represen- is tendered by the above described shi hat the material was delivered without	E MATERIALS SHIPPED WITH THIS JOB STE MATERIAL SHIPPED HEREWITH IS ICT OF 1976 AS AMENDED FROM TIME 1 es seq. AND REGULATIONS RELATED DOUCED WATERS, AND OTHER WASTE OF CRUDE OIL OR NATURAL GAS OR HE MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY ITER TO SUNDANCE SERVICES, INC:S Ited by this Transporter Statement at the paper. This will certify that no additional

	IDANCE SERV P.Ö. Box 1737 Eunice, New N (575) 394-2511	Aexico 88231	TICKET No.3 200414
LEASE OPERATOR	SHIPPER/COMPANY: <	5/1 G	
LEASE NAME: 1	1110 101 -11	<u>RP-2677</u>	
TRANSPORTER CO	120 211	Eller	TIME / 19 A
DATE: 37-	3 VEHICLE NO:		MANYSHAALE C. STAIL
CHARGE TO:	5116	RIG I AND	kame Nulveer
		TYPE OF MATERIAL	
	1 Production Water	[ ] Drilling Fluids	[] Rinsate
	I Tank Bortoms	Contaminated Soil	] Jer Out
	I) Solids	1 3 BS&W Content:	i) Call Out
<b>D</b>		210	
Descripti	on;{~		C-1334
RRC or API #	an a		C-135#
TICKET, OPEN MATERIAL EX TO TIME, 40 L	DITION TO SUNDANCE SERVI NATOR/SHIPPER REPRESENTS EMPT FROM THE RESOURCE, C 1.5.C, 5,6501, et seq., THE NM H	LES, INC'S ACCEPTANCE OF THE AND WARRANTS THAT THE WASI CONSERVATION AND RECOVERY AG HEALTH AND SAF. CODE § 361.001 AFFORDED DRULLING FLUIDS, PRO	MATERIALS SHIPPED WITH THIS J TE MATERIAL SHIPPED HEREWITH TOF 1976, AS AMENDED FROM TI et seq. AND REGULATIONS RELAT
AS A COA TICKET, OPEN MATERIAL EX TO TIME, 40 L THERETO, BY ASSOCIATED GEOTHERMA ALSO AS A TICKET. TRA OPERATORYS FACILITY FOR THIS WILL C above descrit	DITION TO SUNDANCE SERVI INTOR/SHIPPER REPRESENTS EMPT FROM THE RESOURCE. C LSC. 5 6901, et seq. THE NMH VIRTUE OF THE EXEMPTION A WITH THE EXDORATION, DE L ENERGY. CONDITION TO SUNDANCE SE INSPORTER REPRESENTS A HIPPER TO TRANSPORTER IS INSPOSAL. CERTIFY that the above Transport docation, and that it was te e added to this load, and that it is for the second seco	ICES, INC:S ACCEPTANCE OF THE AND WARRANTS THAT THE WAST ONSERVATION AND RECOVERY AC	MATERIALS SHIPPED WITH THIS J IE MATERIAL SHIPPED HEREWITH TO F 1976, AS AMENDED FROM TI et seq. AND REGULATIONS RELAT DUCED WATERS, AND OTHER WAS IF CRUDE OIL OR NATURAL GAS E MATERIALS SHIPPED WITH THIS J THE MATERIAL DELIVERED TER TO SUNDANCE SERVICES, IN ed by this Transporter Statement at typer. This will certify that no additio
AS A COM IICKET, OPEL MATERIAL EX TO TIME, 40 L THERETO, BY ASSOCIATED GEOTHERMA ALSO AS A TICKET. TRA OPERATORYS FACILITY FOR THIS WILL O above descrit materials wer DRIVER:	DITION TO SUNDANCE SERVI ANTOR/SHIPPER REPRESENTS EMPT FROM THE RESOURCE. C SIGNET STATEMENT VIRTUE OF THE EXEMPTION A WITH THE EXPLORATION, DE LENERGY. CONDITION TO SUNDANCE SE INSPORTER REPRESENTS A HIPPER TO TRANSPORTER IS INSPORTER REPRESENTS A HIPPER TO TRANSPORTER IS INSPORTER REPRESENTS A ERTIFY that the obove Transporter docation, and that it was tele a doded to this load, and that it DEPRESENTATIVE: DESCRIPTION	ICES, INC:S ACCEPTANCE OF THE AND WARRANTS THAT THE WAST CONSERVATION AND RECOVERY AC HEALTH AND SAF CODE § 361.001 AFFORDED DRULING FLUIDS, PRO EVELOPMENT OR PRODUCTION O RVICES, INC:S ACCEPTANCE OF TH AND WARRANTS THAT ONLY NOW DELIVERED BY TRANSPOR CONTECT LOADEd the material represent andered by the above described shift	MATERIALS SHIPPED WITH THIS J IE MATERIAL SHIPPED HEREWITH TO F 1976, AS AMENDED FROM TI et seq. AND REGULATIONS RELAT DUCED WATERS, AND OTHER WAS IF CRUDE OIL OR NATURAL GAS E MATERIALS SHIPPED WITH THIS J THE MATERIAL DELIVERED TER TO SUNDANCE SERVICES, IN ed by this Transporter Statement at typer. This will certify that no additio

带。	UNDANCE SER P.O. Box 1737 Eunike, Nev (575) 394-25	N Munico 68231 TICKET NO.3	236 <b>39</b> 4
LEASE OPERA	TOR/SHIPPER/COMPANY:	346	
LEASE NAME:	Line 161-	IR.P- 2677.	
TRANSPORTE	R COMPANY: Pr	SUL SILLIFIX TIM	1E 11: 78 AM/PM
DATE: 3-1	-13 VEHICLE NO:	8 GENERATOR COMPANY (1,	Stady
CHARGE TO:	SILG	RG NAVE AND MINGER	
		TYPE OF MATERIAL	
	1 Production Water	[] Drilling Fluids [] Rinsate	
	1 Tank Bottoms	VI Contaminated Soil [] Jet Out	
· · ·	Solids	1 BSEW Content: 1 Call Out	
Dave	vipulion:	5/17	
RRC or API #		C-133#	
NOC OF PETTE		C-133*	
	CONDITION TO SUNDANCE SER	VICES, INCIS ACCEPTANCE OF THE MATERIALS SHIPPE	
AS A TICKET, C MATERIA TO TIME, THERETO ASSOCIA ASSOCIA GEOTHER ALSO A TICKET, OPERATO FACILITY THIS WI above de	CONDITION TO SUNDANCE SER DEPARTOUSHIPPER REPRESENT LEXEMPT FROM THE REPRESENT QU.S.C. & 6001, et seq. THE NA. BY VIRTUE OF THE EXEMPTION TED WITH THE EXEMPTION. O WALE ENERGY. IS A CONDITION TO SUNDANCE S TRANSPORTER REPRESENTS DRSHIPPER TO TRANSPORTER I FOR DISPOSAL LL CERTIFY that the above Trans Scribed location, and that it was i	VICES, INCES ACCEPTANCE OF THE MATERIALS SHIPPE S AND WARRARTS THAT THE WASTE MATERIAL SHIP CONSERVATION AND RECOVERY ACT OF 1976, AS AME I HEALTH AND SAF CODE § 361.001 ei seq. AND REGU I AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AN DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR I SERVICES, INCES ACCEPTANCE OF THE MATERIALS SHIPP AND WARRANTS THAT ONLY THE MATERIAL S NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES INCES ACCEPTANCE OF THE MATERIAL S NOW DELIVERED BY TRANSPORTER TO SUNDANCE	PED HEREWITH IS NOED FROM TIME LATIONS RELATED ND OTHER WASTE NATURAL GAS OR ED WITH THIS JOB DELIVERED BY E SERVICES, INC.'S
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AS A TICKET, C MATERIA MATERIA TO TIME, THERETO ASSOCIA GEOTHER ALSO A TICKET, OPERATO FACILITY THIS WI above de materials DRIVER	CONDITION TO SUNDANCE SER DEPARTORYSHOPPER HEPRESENT L EXEMPT FROM THE RESOURCE 40U.S.C. 56001, et seq. THE NA. BY VIRTUE OF THE EXEMPTION TED WITH THE EXPLORATION. C MALE ENERGY. SA CONDITION TO SUNDANCE S TRANSPORTER REPRESENTS DRXSHIPPER TO TRANSPORTER ( FOR DISPOSAL LL CERTIFY that the abave Trans scribed location, and that it was to were addred to this load, and that it was a statements of the second	VICES, INCES ACCEPTANCE OF THE MATERIALS SHIPPE S AND WARRARTS THAT THE WASTE MATERIAL SHIP CONSERVATION AND RECOVERY ACT OF 1976, AS AME I HEALTH AND SAF CODE § 361.001 ei seq. AND REGU I AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AN DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR I SERVICES, INCES ACCEPTANCE OF THE MATERIALS SHIPP AND WARRANTS THAT ONLY THE MATERIAL S NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES INCES ACCEPTANCE OF THE MATERIAL S NOW DELIVERED BY TRANSPORTER TO SUNDANCE	PED HEREWITH IS NOED FROM TIME LATIONS RELATED NO OTHER WASTE WATURAL GAS OR ED WITH THIS JOB DELIVERED BY ESERVICES, INC'S Pr Statement at the that no additional

P.O. Bax 1737 Eusike, New M (575) 394-2511	ICES, Inc. riko 88231 TICKET No. 200365
LEASE OPERATOR/SHIPPER/COMPANY:	SIIG
LEASE NAME: Line 101-18	P-3677
TRANSPORTER COMPANY: Pio Sin	En 111/1 TIME/6.19 (AN
DATE: 3-7-13 VEHICLENO:	S GENERATOR COMPANY ( . StanL.
CHARGE TO: 5/1 G	RG NAA'E AND RUMBER
	TYPE OF MATERIAL
[] Production Water	[ ] Drilling Fluids [ ] Rinsate
[ ] Tank Bottoms	Contaminated Soil [] Jet Out
L Solids	[ ] BS&W Content: [ ] Call Out
Description: 0	10
RRC or API #	C-133#
VOLUME OF MATERIAL     BBLS.	: KIYARD /2- : 11
TICKET, OPERATOR/SHIPPER REPRESENTS A MATERIAL EXEMPT FROM THE RESOURCE, CO	ES, INC:S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOI IND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IN DNSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIMI EALTH AND SAF. CODE \$ 361.001 et seq. AND REGULATIONS RELATE
TICKET, OPERATOR/SHIPPER REPRESENTS A MATERIAL EXEMPT FROM THE RESOURCE, CC TO TIME, 40 U.S.C. 58001, et seq., TRE NM H THERETO, BY VIRTUE OF THE EXEMPTION AI ASSOCIATED WITH THE EXPLORATION, DEV GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SER TICKET, TRANSPORTER REPRESENTS AI OPERATOR/SHIPPER TO TRANSPORTER IS A FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Transpo	IND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH ID DNSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIMI EALTH AND SAF, CODE 5 361.001 et seq. AND REGULATIONS RELATE FFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTI VELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OF VICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOI ND WARRANTS THAT ONLY THE MATERIAL DELIVERED B' NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.' WITE fooded the material represented by Ihis Transporter Statement at the dered by the above described shipper. This will certify that no additiona

	P.O. Box 1737 Eunice, New (575) 394-251	Mexico 88231	TICKET No: 280345
LEASE OPERAT	OR/SHIPPER/COMPANY:	SUG	
LEASE NAME:	Line Ill	- 1417-2677	7
TRANSPORTER	<u> </u>	Emine	TIME 9:19 AMPM
DATE: 3-	7-13 VEHICLE NO:	GENERU	MANSHAME Ch. Str. ALC.
CHARGE TO:	SUG	REG	HANKE T
		TYPE OF MATERIAL	
	1 Production Water	[ ] Drilling Fluids	Rinsate
	1 Tank Bottoms	Contaminated Soil	] Jet Out
~	[ ] Solids	1 1 BS&W Contents	I I Call Out
Descri	iption:	ID	
RRC or API #			C-133#
VOLUME OF M	ATERIAL   BBLS.	: VI YARD /2	2: []
THERETO, ASSOCIAT	BY VIRTUE OF THE EXEMPTION	AFFORDED DRILLING FLUIDS, PRO	et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTE F CRUDE OIL OR NATURAL GAS OR
TICKET. OPERATOI FACILITY F THIS WIL above des materials i	TRANSPORTER REPRESENTS RISHIPPER TO TRANSPORTER IS OR DISPOSAL. L CERTIFY that the above Transp cribed localion, and that it was te were added to this load, and that I	AND WARRANTS THAT ONLY NOW DELIVERED BY TRANSPOR	EMATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY TER TO SUNDANCE SERVICES, INC:S and the stransporter Statement of the per, This will certify that no additional teckent,
TICKET. OPERATO: FACILITY F THIS WIL above des materials t DRIVER:	TRANSPORTER REPRESENTS RISHIPPER TO TRANSPORTER IS OR DISPOSAL. L CERTIFY that the above Transp cribed localion, and that it was te were added to this load, and that I	AND WARRANTS THAT ONLY NOW DELIVERED BY TRANSPOR porter loaded the material represent indered by the above described ship	THE MATERIAL DEUVERED BY TER TO SUNDANCE SERVICES, INC:S red by this Transporter Statement of the per. This will certify that no additional

	VDANCE SER P.O. 80x 1737 Eunice, New (575) 394-251	Mexico 88231	TICKET No. 280432
LEASE OPERATOR	SHIPPER/COMPANY: 5	IIG	a
LEASE NAME: / ,	110 161 -	1RP - 26177	
TRANSPORTER CO	IMPANY: KOSIII	Subar .	TIME / C/ AMYP
DATE: 3- 7.	-13 VEHICLE NO:	9 GENERA	MANSMAN (, Stanles
CHARGE TO:	31113	AND	VAME NUMBER
an a		مرين من المرين المري المرين المرين	1999 - Alian Manager, and an
		TYPE OF MATERIAL	
	[ ] Production Water	Drilling Fluids	[ ] Rinsate
	1 Tank Bottoms	Contaminated Soil	i jet Out
-	[] Solids	I I BS&W Content:	1 ] Call Out
Descripti	on:	μ.	
RRC or API #			C-133#
TICKET, OPER MATERIALEX	IDITION TO SUNDANCE SERV RATOR/SHIPPER REPRESENTS EMPT FROM THE RESOURCE,	AND WARRANTS THAT THE WAST CONSERVATION AND RECOVERY AC	MATERIALS SHIPPED WITH THIS JOB TE MATERIAL SHIPPED HEREWITH IS TOP 1976, AS AMENDED FROM TIME
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AS A CON TICKET, OPEN MATERIAL EX TO TIME, 40 L THERETO, 87 ASSOCIATED GEOTHERMA ALSO AS A4 TICKET, TRA OPERATORYS FACILITY FOR THIS WILL C above describ materials wer DRIVER:	ADITION TO SUNDANCE SERV ANTORYSHIPPER REPRESENTS LEMPT FROM THE RESOURCE, J.S.C. § 6901, et seq. THE NM VIRTUE OF THE EXEMPTION WITH THE EXPLORATION, D L ENERGY. CONDITION TO SUNDANCE SI NUSPORTER REPRESENTS HIPPER TO TRANSPORTER IS ODSPOSAL CERTIFY that the above Trans, bed location, and that it was to re added to this load, and that	ACES, INC'S ACCEPTANCE OF THE AND WARRANTS THAT THE WAST CONSERVATION AND RECOVERY AC HEALTH AND SAF. CODE § 361,001 AFFORDED DRILLING FLUIDS, PRO EVELOPMENT OR PRODUCTION O EVELOPMENT OR PRODUCTION O ERVICES, INC'S ACCEPTANCE OF THI AND WARRANTS THAT ONLY IN OW DELIVERED BY TRANSPORT porter loaded the material represent endered by the above described ship the material was defivered without it	MATERIALS SHIPPED WITH THIS JOB TE MATERIAL SHIPPED HEREWITH IS TO F 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

SUNDANCE SERVICES, Inc. RO, Box 1737 Eunice, New Mexico 88221 (575) 394-2511	
LEASE OPERATOR/SHIPPER/COMPANY: SILLS	LEA
LEASE NAME: /11+ 101- 188- 2677	LEA
TRANSPORTER COMPANY: BASIN FILLIC. TIME 1:39 AMOPM	TR
DATE 2 C A 2 VENCIE NO. C CARACTERIZATION C CARACTERIZATION	DAT
	СН
CHARGE TO: SIIC REGNAME AND INSULTION	
TYPE OF MATERIAL	
Production Water     Drilling Fluids     Rinsate	÷ , N., -
1 Tank Bottoms 3. Contaminated Soil (1 Jet Out	
I Solids I BS&W Content: [ ] Call Out	
Description:	
RRC or API # C-133#	ARC
	vo
VOLUME OF MATERIAL ( ) BBLS: X1 YARO/2	
AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB	
TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS	
MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seg., THE NM HEALTH AND SAF, CODE § 361.001 et seg., AND REGULATIONS RELATED	
THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE	
ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR	
GEOTHERMAL ENERGY.	
ALSO AS A CONDITION TO SUNDANCE SERVICES, INC'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB	
TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY	
OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC/S	
OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC:S FACILITY FOR DISPOSAL	
OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the	
OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC:S FACILITY FOR DISPOSAL. THIS WILL CERTIFY (hat the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional	2 11
OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the	
OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional	
OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, UNC:S FACILITY FOR DISPOSAL THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.	
OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC:S         FACILITY FOR DISPOSAL         THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described shipper. This will certify that no additional materials were added to this load, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.         DRIVER:	
OPERAIOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC:S FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Transparter loaded the material represented by this Transparter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident. DRIVER:	
OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC:S         FACILITY FOR DISPOSAL         THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described shipper. This will certify that no additional materials were added to this load, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.         DRIVER:	

		1737 Eunice, New A (575) 394-2511	ICES, Inc.	TICKET No.	230510
LEASE OPE	RATOR/SHIPPER/		116		
LEASE NAM	E: Line	160-	111-26.77	7	
TRANSPOR	TER COMPANY:	Basin	Entires		e/7://- ANJEM
DATE: 7	-8-13	VEHICLE NO: 8	GE	MANYS RAME	staniers
CHARGE TO	);	3110	9	ing manal And manager	Ű .
<b></b>	<b> </b>		TYPE OF MATERIAL		
	[ ] Pro	duction Water	] ) Drilling Fluids	Rinsate	
H i	L 1 Tar	k Bottoms	PI Contaminated Soil	i i Jet Out	
n	[ ] So	ids	I I BS&W Content:	[   Call Out	
De	escription:	l	10		
RRC or API	#			C-133#	
VOLUME O	F MATERIAL [	) BBLS	: X YARD_	12:	[]
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TO TIM THERE ASSOC GEOTH ALSC TICKET OPERA FACILI THIS I	TO, BY VIRTUE OI CLATED WITH THE HERMALE NERGY. D AS A CONDITION TO AS A CONDITION TO AS A CONDITION TO AS A CONDITION TO A CONDITIONA CONDICINA CONDICINA CONDICINA CONDITIONA CONDITIONA CONDITIONA CONDITI	THE EXEMPTION A EXPLORATION, DEV NTO SUNDANCE SEE REPRESENTS A TRANSPORTER IS I - to the above Transpo a, and that it was ten	IEALTH AND SAF. CODE § 361: FFORDED DRILLING FLUIDS, JELOPMENT OR PRODUCTIO VICES, INC:S ACCEPTANCE OF ND WARRANTS THAT ON NOW DELIVERED BY TRANSF orter loaded the material repre- dered by the above described e material was delivered witho	001 et seq. AND REGUL PRODUCED WATERS, AN N OF CRUDE OIL OR N THE MATERIALS SHIPPE NY THE MATERIAL ORTER TO SUNDANCE entied by this Transporte shipper. This will certify t ut incident.	ATIONS RELATED ID OTHER WASTE ATURAL GAS OR ID WITH THIS JOB DELIVERED BY SERVICES, INC.'S
TO TIM THERE ASSOC GEOTI ALSC TICKET OPERA FACILI THIS I above materi DRIV	TO, BY VIRTUE OI CIATED WITH THE HERMAL ENERGY. D AS A CONDITION T. TRANSPORTED TO ANSPORTED TY FOR DISPOSAL WILL CERTIFY th described location ials were added to 	THE EXEMPTION A EXPLORATION, DEV NTO SUNDANCE SEF REPRESENTS A TRANSPORTER IS I Hal the above Transpo and that it was ten this load, and that it	EALTH AND SAF. CODE § 361: FFORDED DRILLING FLUIDS, JELOPMENT OR PRODUCTIO VICES, INC'S ACCEPTANCE OF ND WARRANTS THAT ON VOW DELIVERED BY TRANSP arter loaded the material repres dered by the above described.	001 et seq. AND REGUL PRODUCED WATERS, AN N OF CRUDE OIL OR N THE MATERIALS SHIPPE NY THE MATERIAL ORTER TO SUNDANCE entied by this Transporte shipper. This will certify t ut incident.	ATIONS RELATED ID OTHER WASTE ATURAL GAS OR ID WITH THIS JOB DELIVERED BY SERVICES, INC:S
TO TIM THERE ASSOC GEOTI ALSC TICKET OPERA FACILI THIS I above materi DRIV	TO, BY VIRTUE OI CLATED WITH THE HERMALE NERGY. D AS A CONDITION TO AS A CONDITION TO AS A CONDITION TO A CONDITIONA CON	THE EXEMPTION A EXPLORATION, DEV NTO SUNDANCE SEE REPRESENTS A TRANSPORTER IS I at the above Tronsport, and that it was ten this load, and that th	IEALTH AND SAF. CODE § 361: FFORDED DRILLING FLUIDS, JELOPMENT OR PRODUCTIO VICES, INC:S ACCEPTANCE OF ND WARRANTS THAT ON NOW DELIVERED BY TRANSF orter loaded the material repre- dered by the above described e material was delivered witho	001 et seq. AND REGUL PRODUCED WATERS, AN N OF CRUDE OIL OR N THE MATERIALS SHIPPE NY THE MATERIAL ORTER TO SUNDANCE entied by this Transporte shipper. This will certify t ut incident.	ATIONS RELATED ID OTHER WASTE ATURAL GAS OR ED WITH THIS JOB DELIVERED BY SERVICES, INCIS r Statement at the hat no additional

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EASE OPERATOR	SHIPPER/COMPANY:	SUG	**************************************	and an and a second
LEASE NAME: 2	Ine 101 -	181-26	77	
TRANSPORTER CO	IMPANY: KASILI	Envira	TIME / 1:17 A	M/PM
DATE: 2-5-	12 VEHICLENO:	05	MANSHAND A. STA. 1.	1.12
CHARGE TO:	SILG		THE NAME AND NUMBER	J
an fan de fan sen fan de f Inderfander fan de fan		، د د به ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲		ifesti daring Manifiking
		TYPE OF MATERIAL		
	[] Production Water	[ ] Drilling Fluids.	[ ] Rinsate	
	I Tank Bottoms	)() Contaminated Soi		
	[] Solids	[ ] BS&W Content:	Call Out	
Descriptio	on:()	<u>(B</u>		
RRC or API #			C-133#	
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	EO. Box 1737 Eunice. New (575) 394-251	Mexico 88231	TICKET No.3 23	6579
LEASE OPERATOR	SHIPPER/COMPANY:	SIG	*	
LEASE NAME:	ine 101 - 1	1RP-26-77		
TRANSPORTER CO	1 1 31	n Smiller	TIME 7	5% GAMIPM
DATE: 3.5-	13 VEHICLE NO:	S GENERATOR	WYSNAME (1. 51	arley
CHARGE TO:	SUG	RG NAM AND M	AE IMBER	]
		TYPE OF MATERIAL	****	
	1 Production Water	[] Drilling Fluids	[ ] Rinsate	
4	1 ] Tank Bottoms	V_1 Contaminated Soil	L 1 Jet Out	
if .	1   Solids	BS&W Content:	[ ] Call Out	
Descriptio	m: l	2/0		
RRC or API #		······································	C-133#	
VOLUME OF MATE	RIAL     BBLS.	YARD_12		
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# **APPENDIX D**

Release Notification and Corrective Action (Form C-144)

District I	
1625 N. French Dr., Hobbs, NM 88240	
District II	
1301 W. Grand Avenue, Artesia, NM 88210	
District III	1
1000 Rio Brazos Road, Aztec, NM 87410	
District IV	
1220 C. Contento De Contento MA 97505	

# State of New Mexico

Energy Minerals and Natural Resources JAN 28 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 HOBBSOCD Submit 2 Copies to appropria District Office. in accordan with Rule, 116 on. ba

Lease No. 30-025-38822

Form C-14

-side of for

#### **Release Notification and Corrective Action**

	OPERATOR
Name of Company Southern Union Gas Services	Contact Curt Stanley
Address 1507 W. 15th Street, Monahans, T	X 79756 Telephone No. 575-390-7595
Facility Name Pipeline #101	Facility Type Natural Gas Pipeline
the second s	

Surface Owner Crawford Mineral Owner

#### LOCATION OF RELEASE

Contraction of the second s				a start was a start of the star	
Unit Letter	Section Township	Doman Depart from the	White the low start is the form the c		
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		10 . S. 10	and the second	이 공격하게 좋아 있는 것이 같아. 소리는 것이 같아.	

Latitude N 32 degrees 11.749\* Longitude W 103 degrees 10 788

#### NATURE OF RELEASE.

	Volume of Release 7 BBLS Volume Recovered	4 BBLS
Source of Release 16-Inch Steel Pipeline	Date and Hour of Occurrence	
	January 25, 2011 - Time January 25, 2011 - ( Unknown	
Was Immediate Notice Given?	If YES, To Whom?	,
Yes No X Not Required		
By Whom? Curt Stanley	Date and Hour	<u> </u>
Was a Watercourse Reached?	If YES. Volume Impacting the Watercourse	
Alf a Watarcourse was Impacted Describe Billy **	And a state of the second of	

If a Watercourse was Impacted; Describe Fully \*\*

Describe Cause of Problem and Remedial Action Taken.\* A sixteen (16) inch diameter low pressure steel pipeline developed a leak, most likely due to internal corrosion. A vacuum truck was called to recover free standing fluids from the ground surface. Following the excavation of the pipeline, a temporary pipeline clamp was utilized to mitigate the release. Following the initial response activities, the excavation was backfilled due the proximity of the release to a county road. Permanent pipeline repairs will be made.

Describe Area Affected and Cleanup Action Taken.\*

The release affected an area measuring approximately, 1,700 square feet. The release will be remediated per NMOCD regulatory guidelines following the completion of permanent pipeline repair 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 healthor 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 healthor 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.

	<u>@IL CONSERVATION DIVISION</u>
Printed Name: Curt Stanley	Approved by Distinct Supervisor
	Approval Date: 01 28 11 Expiration Date: 03 28 11
-mail Address: curt stanley@sug.com	Conditions of Approval: Statem N
Date: 1/27/2011 Attach Additional Special File Starts	FINAL C-141 BY