

# *Basin Environmental Service Technologies, LLC*

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Lovington, New Mexico 88260

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



## **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

**June 2013**

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Joel W. Lowry  
Project Manager

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## **1.0 INTRODUCTION & BACKGROUND INFORMATION**

Basin Environmental Service Technologies, LLC (Basin), on behalf of Southern Union Gas Services (Southern Union), has prepared this *Remediation Summary & Site Closure Request* for the release site known as 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 than 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.

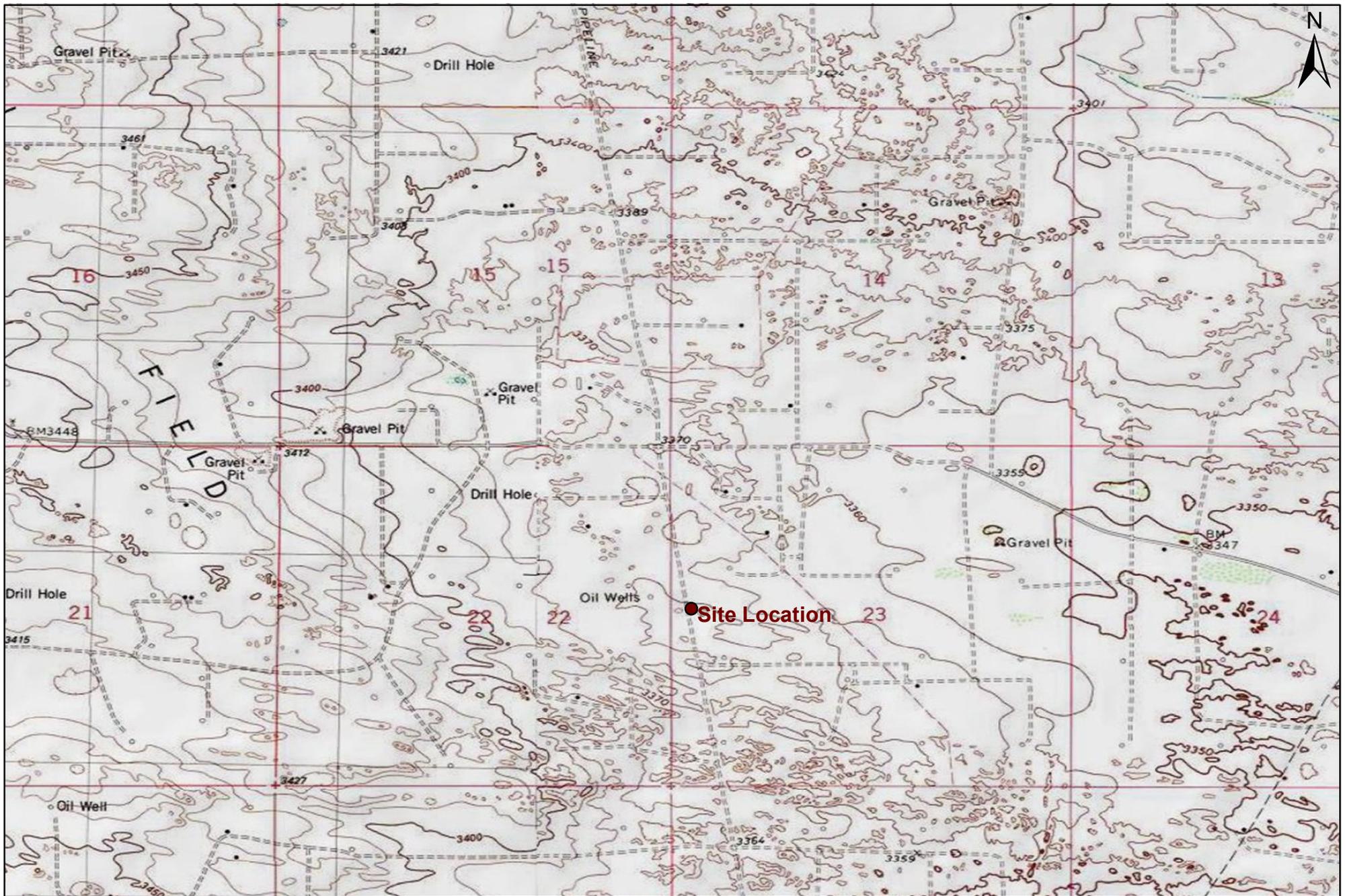
## **7.0 DISTRIBUTION:**

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

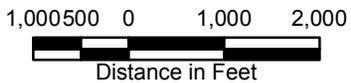
Copy 2: Rose Slade  
Southern Union Gas Services  
801 S. Loop 464  
Monahans, Texas 79756  
rose.slade@sug.com

Copy 3: Basin Environmental Service Technologies, LLC  
P.O. Box 301  
Lovington, New Mexico 88260

# **FIGURES**

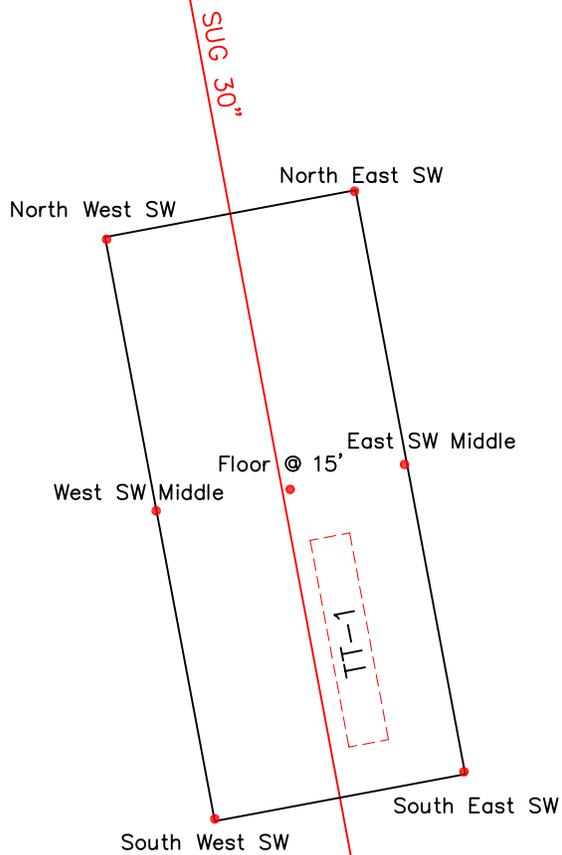


**Figure 1**  
**Site Location Map**  
**Southern Union Gas Services**  
**Line #101**  
**Lea County, New Mexico**  
**NMOCD Reference #: 1RP-2677**



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

Drawn By: BJA	Checked By: JWL
March 19, 2013	Scale: 1" = 2000'



Flying "E" Road



**LEGEND:**

- Excavation Extent
- Sample Location
- - - Paved Road
- Buried Pipeline
- ⋯ Delineation Trench

Figure 2  
Site & Sample Location Map  
Southern Union Gas Services  
Line #101 (RP-2667)  
Lea County, NM

**Basin Environmental Services**

Scale: 1" = 10'	Drawn By: JWL	Prepared By: BRB
March 18, 2013		

# **TABLES**

TABLE 1

## CONCENTRATIONS OF BENZENE, BTEX, TPH &amp; 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 C <sub>6</sub> -C <sub>12</sub> (mg/Kg)	DRO C <sub>12</sub> -C <sub>28</sub> (mg/Kg)	ORO C <sub>28</sub> -C <sub>35</sub> (mg/Kg)	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
<b>NMOCD Standard</b>				<b>10</b>				<b>50</b>				<b>1,000</b>	<b>500</b>

- = Not analyzed.

# **APPENDICES**

# **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.

# **Laboratory Analytical Reports**

**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

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# 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-2677  
Work Order Number(s): 457380

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

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### Sample receipt non conformances and comments:

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### 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



# Certificate of Analysis Summary 457380

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



**Project Id:** IRP-2677

**Contact:** Joel Lowry

**Project Name:** Line #101

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

**Report Date:** 12-FEB-13

**Project Location:** Lea County, NM

**Project Manager:** Nicholas Straccione

<i>Analysis Requested</i>	<i>Lab Id:</i>	457380-001	457380-002	457380-003			
	<i>Field Id:</i>	TT-1 @ 6'	TT-1 @ 8'	TT-1 @ 10'			
	<i>Depth:</i>	6- ft	8- ft	10- ft			
	<i>Matrix:</i>	SOIL	SOIL	SOIL			
	<i>Sampled:</i>	Feb-06-13 02:55	Feb-06-13 03:20	Feb-06-13 03:50			
<b>BTEX by EPA 8021B</b>	<i>Extracted:</i>	Feb-11-13 15:00	Feb-11-13 15:00	Feb-11-13 15:00			
	<i>Analyzed:</i>	Feb-11-13 19:42	Feb-11-13 19:58	Feb-11-13 20:14			
	<i>Units/RL:</i>	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	ND    0.00106	ND    0.00133			
Total BTEX		ND    0.00137	ND    0.00106	ND    0.00133			
<b>Inorganic Anions by EPA 300/300.1 SUB: TX104704215</b>	<i>Extracted:</i>	Feb-12-13 13:35	Feb-12-13 14:27	Feb-12-13 14:44			
	<i>Analyzed:</i>	Feb-12-13 13:35	Feb-12-13 14:27	Feb-12-13 14:44			
	<i>Units/RL:</i>	mg/kg    RL	mg/kg    RL	mg/kg    RL			
Chloride		8.79    1.37	3.65    1.07	1.63    1.33			
<b>Percent Moisture</b>	<i>Extracted:</i>						
	<i>Analyzed:</i>	Feb-11-13 17:00	Feb-11-13 17:00	Feb-11-13 17:00			
	<i>Units/RL:</i>	%        RL	%        RL	%        RL			
Percent Moisture		27.0    1.00	6.66    1.00	25.0    1.00			
<b>TPH By SW8015 Mod</b>	<i>Extracted:</i>	Feb-11-13 15:10	Feb-11-13 15:10	Feb-11-13 15:10			
	<i>Analyzed:</i>	Feb-11-13 19:23	Feb-11-13 19:50	Feb-12-13 09:18			
	<i>Units/RL:</i>	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			
Total TPH		ND    20.5	26.5    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.

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Alejandro Montoya  
New Mexico Laboratory Director

# Flagging Criteria

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

\* Surrogate recovered outside laboratory control limit.

**BRL** Below Reporting Limit.

**RL** Reporting Limit

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

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

**DL** Method Detection Limit

**NC** Non-Calculable

+ NELAC certification not offered for this compound.

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

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

# Form 2 - Surrogate Recoveries

**Project Name: Line #101**

**Work Orders :** 457380,

**Project ID:** 1RP-2677

**Lab Batch #:** 906743

**Sample:** 457380-001 / SMP

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

Units: mg/kg	Date Analyzed: 02/11/13 19:23	SURROGATE RECOVERY STUDY			
TPH By SW8015 Mod  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	108	99.9	108	70-135	
o-Terphenyl	58.4	50.0	117	70-135	

**Lab Batch #:** 906664

**Sample:** 457380-001 / SMP

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

Units: mg/kg	Date Analyzed: 02/11/13 19:42	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0273	0.0300	91	80-120	
4-Bromofluorobenzene	0.0252	0.0300	84	80-120	

**Lab Batch #:** 906743

**Sample:** 457380-002 / SMP

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

Units: mg/kg	Date Analyzed: 02/11/13 19:50	SURROGATE RECOVERY STUDY			
TPH By SW8015 Mod  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	99.8	106	70-135	
o-Terphenyl	56.8	49.9	114	70-135	

**Lab Batch #:** 906664

**Sample:** 457380-002 / SMP

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

Units: mg/kg	Date Analyzed: 02/11/13 19:58	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0259	0.0300	86	80-120	
4-Bromofluorobenzene	0.0276	0.0300	92	80-120	

**Lab Batch #:** 906664

**Sample:** 457380-003 / SMP

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

Units: mg/kg	Date Analyzed: 02/11/13 20:14	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0254	0.0300	85	80-120	
4-Bromofluorobenzene	0.0256	0.0300	85	80-120	

\* Surrogate outside of Laboratory QC limits  
 \*\* Surrogates outside limits; data and surrogates confirmed by reanalysis  
 \*\*\* Poor recoveries due to dilution  
 Surrogate Recovery [D] = 100 \* A / B  
 All results are based on MDL and validated for QC purposes.

# Form 2 - Surrogate Recoveries

**Project Name: Line #101**

**Work Orders :** 457380,

**Project ID:** 1RP-2677

**Lab Batch #:** 906743

**Sample:** 457380-003 / SMP

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

	SURROGATE RECOVERY STUDY				
<b>Units:</b> mg/kg <b>Date Analyzed:</b> 02/12/13 09:18					
TPH By SW8015 Mod  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	108	100	108	70-135	
o-Terphenyl	59.1	50.1	118	70-135	

**Lab Batch #:** 906664

**Sample:** 633644-1-BLK / BLK

**Batch:** 1 **Matrix:** Solid

	SURROGATE RECOVERY STUDY				
<b>Units:</b> mg/kg <b>Date Analyzed:</b> 02/11/13 10:25					
BTEX by EPA 8021B  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0268	0.0300	89	80-120	
4-Bromofluorobenzene	0.0284	0.0300	95	80-120	

**Lab Batch #:** 906743

**Sample:** 633686-1-BLK / BLK

**Batch:** 1 **Matrix:** Solid

	SURROGATE RECOVERY STUDY				
<b>Units:</b> mg/kg <b>Date Analyzed:</b> 02/11/13 17:34					
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	58.1	50.0	116	70-135	

**Lab Batch #:** 906664

**Sample:** 633644-1-BKS / BKS

**Batch:** 1 **Matrix:** Solid

	SURROGATE RECOVERY STUDY				
<b>Units:</b> mg/kg <b>Date Analyzed:</b> 02/11/13 09:52					
BTEX by EPA 8021B  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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 / BKS

**Batch:** 1 **Matrix:** Solid

	SURROGATE RECOVERY STUDY				
<b>Units:</b> mg/kg <b>Date Analyzed:</b> 02/11/13 16:43					
TPH By SW8015 Mod  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	107	99.8	107	70-135	
o-Terphenyl	61.1	49.9	122	70-135	

\* Surrogate outside of Laboratory QC limits  
 \*\* Surrogates outside limits; data and surrogates confirmed by reanalysis  
 \*\*\* Poor recoveries due to dilution  
 Surrogate Recovery [D] = 100 \* A / B  
 All results are based on MDL and validated for QC purposes.

# Form 2 - Surrogate Recoveries

**Project Name: Line #101**

**Work Orders :** 457380,

**Project ID:** 1RP-2677

**Lab Batch #:** 906664

**Sample:** 633644-1-BSD / BSD

**Batch:** 1 **Matrix:** Solid

Units: mg/kg	Date Analyzed: 02/11/13 10:09	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0333	0.0300	111	80-120	
4-Bromofluorobenzene	0.0281	0.0300	94	80-120	

**Lab Batch #:** 906743

**Sample:** 633686-1-BSD / BSD

**Batch:** 1 **Matrix:** Solid

Units: mg/kg	Date Analyzed: 02/11/13 17:09	SURROGATE RECOVERY STUDY			
TPH By SW8015 Mod  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	99.9	106	70-135	
o-Terphenyl	57.4	50.0	115	70-135	

**Lab Batch #:** 906664

**Sample:** 456965-001 S / MS

**Batch:** 1 **Matrix:** Sludge

Units: mg/kg	Date Analyzed: 02/11/13 11:48	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0346	0.0300	115	80-120	
4-Bromofluorobenzene	0.0314	0.0300	105	80-120	

**Lab Batch #:** 906743

**Sample:** 457380-002 S / MS

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

Units: mg/kg	Date Analyzed: 02/12/13 02:20	SURROGATE RECOVERY STUDY			
TPH 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 / MSD

**Batch:** 1 **Matrix:** Sludge

Units: mg/kg	Date Analyzed: 02/11/13 12:04	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0290	0.0300	97	80-120	
4-Bromofluorobenzene	0.0297	0.0300	99	80-120	

\* Surrogate outside of Laboratory QC limits  
 \*\* Surrogates outside limits; data and surrogates confirmed by reanalysis  
 \*\*\* Poor recoveries due to dilution  
 Surrogate Recovery [D] = 100 \* A / B  
 All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: Line #101

Work Orders : 457380,

Project ID: 1RP-2677

Lab Batch #: 906743

Sample: 457380-002 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 02/12/13 02:46

## SURROGATE RECOVERY STUDY

TPH By SW8015 Mod  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	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

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

**Project Name: Line #101**

**Work Order #:** 457380

**Project ID:**

1RP-2677

**Lab Batch #:** 906768

**Sample:** 633706-1-BKS

**Matrix:** Solid

**Date Analyzed:** 02/12/2013

**Date Prepared:** 02/12/2013

**Analyst:** RKO

**Reporting Units:** mg/kg

**Batch #:** 1

**BLANK /BLANK SPIKE RECOVERY STUDY**

<b>Inorganic Anions by EPA 300/300.1</b>	<b>Blank Result [A]</b>	<b>Spike Added [B]</b>	<b>Blank Spike Result [C]</b>	<b>Blank Spike %R [D]</b>	<b>Control Limits %R</b>	<b>Flags</b>
<b>Analytes</b>						
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



# BS / BSD Recoveries



**Project Name: Line #101**

**Work Order #: 457380**

**Analyst: KEB**

**Date Prepared: 02/11/2013**

**Project ID: 1RP-2677**

**Date Analyzed: 02/11/2013**

**Lab Batch ID: 906664**

**Sample: 633644-1-BKS**

**Batch #: 1**

**Matrix: Solid**

**Units: mg/kg**

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

<b>BTEX by EPA 8021B</b>	<b>Blank Sample Result [A]</b>	<b>Spike Added [B]</b>	<b>Blank Spike Result [C]</b>	<b>Blank Spike %R [D]</b>	<b>Spike Added [E]</b>	<b>Blank Spike Duplicate Result [F]</b>	<b>Blk. Spk Dup. %R [G]</b>	<b>RPD %</b>	<b>Control Limits %R</b>	<b>Control Limits %RPD</b>	<b>Flag</b>
<b>Analytes</b>											
Benzene	<0.000998	0.0998	0.0884	89	0.100	0.0814	81	8	70-130	35	
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**

**Date Prepared: 02/11/2013**

**Date Analyzed: 02/11/2013**

**Lab Batch ID: 906743**

**Sample: 633686-1-BKS**

**Batch #: 1**

**Matrix: Solid**

**Units: mg/kg**

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

<b>TPH By SW8015 Mod</b>	<b>Blank Sample Result [A]</b>	<b>Spike Added [B]</b>	<b>Blank Spike Result [C]</b>	<b>Blank Spike %R [D]</b>	<b>Spike Added [E]</b>	<b>Blank Spike Duplicate Result [F]</b>	<b>Blk. Spk Dup. %R [G]</b>	<b>RPD %</b>	<b>Control Limits %R</b>	<b>Control Limits %RPD</b>	<b>Flag</b>
<b>Analytes</b>											
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



# Form 3 - MS / MSD Recoveries



Project Name: Line #101

Work Order #: 457380

Project ID: IRP-2677

Lab Batch ID: 906664

QC- Sample ID: 456965-001 S

Batch #: 1 Matrix: Sludge

Date Analyzed: 02/11/2013

Date Prepared: 02/11/2013

Analyst: KEB

Reporting Units: mg/kg

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY 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

QC- Sample ID: 457380-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 02/12/2013

Date Prepared: 02/12/2013

Analyst: RKO

Reporting Units: mg/kg

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
	Chloride	8.79	137	149	102	137	150	103	1	80-120	20

Lab Batch ID: 906743

QC- Sample ID: 457380-002 S

Batch #: 1 Matrix: Soil

Date Analyzed: 02/12/2013

Date Prepared: 02/11/2013

Analyst: KEB

Reporting Units: mg/kg

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
	C6-C12 Gasoline Range Hydrocarbons	<16.1	1070	1040	97	1070	1040	97	0	70-135	35
C12-C28 Diesel Range Hydrocarbons	26.5	1070	1090	99	1070	1090	99	0	70-135	35	

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

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

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





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

Table with 2 columns: Checklist items (#1 to #22) and corresponding responses (Yes, No, or a number like 4).

\* 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:

Alejandro Montoya (signature)

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

*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 458978



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

Line #101

<b>Sample Id</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Sample Depth</b>	<b>Lab Sample Id</b>
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: (IRP-2677)  
Work Order Number(s): 458978

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

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**Sample receipt non conformances and comments:**

None

---

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

None

# Certificate of Analysis Summary 458978

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



**Project Id:** (IRP-2677)

**Contact:** Joel Lowry

**Project Location:** Lea County, NM

**Project Name:** Line #101

# Draft

**Date Received in Lab:** Thu Mar-07-13 04:20 pm

**Report Date:** 12-MAR-13

**Project Manager:** Nicholas Straccione

<i>Analysis Requested</i>	<i>Lab Id:</i>	458978-001	458978-002	458978-003	458978-004	458978-005	458978-006
	<i>Field Id:</i>	South East SW	South West SW	East SW Middle	North West SW	North East SW	West SW Middle
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	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
<b>BTEX by EPA 8021B</b>	<i>Extracted:</i>	Mar-11-13 15:00					
	<i>Analyzed:</i>	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
	<i>Units/RL:</i>	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
<b>Percent Moisture</b>	<i>Extracted:</i>						
	<i>Analyzed:</i>	Mar-11-13 17:00					
	<i>Units/RL:</i>	%    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
<b>TPH By SW8015 Mod</b>	<i>Extracted:</i>	Mar-11-13 12:30					
	<i>Analyzed:</i>	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
	<i>Units/RL:</i>	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
Total TPH		29.9 20.1	27.2 20.6	ND 21.5	96.7 17.1	50.7 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.

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

Nicholas Straccione  
Project Manager

# Certificate of Analysis Summary 458978

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



**Project Id:** (IRP-2677)

**Contact:** Joel Lowry

**Project Name:** Line #101

# Draft

**Date Received in Lab:** Thu Mar-07-13 04:20 pm

**Report Date:** 12-MAR-13

**Project Location:** Lea County, NM

**Project Manager:** Nicholas Straccione

<b>Analysis Requested</b>	<b>Lab Id:</b>	458978-007					
	<b>Field Id:</b>	Floor @ 15'					
	<b>Depth:</b>						
	<b>Matrix:</b>	SOIL					
	<b>Sampled:</b>	Mar-01-13 13:00					
<b>BTEX by EPA 8021B</b>	<b>Extracted:</b>	Mar-11-13 15:00					
	<b>Analyzed:</b>	Mar-11-13 19:46					
	<b>Units/RL:</b>	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					
<b>Percent Moisture</b>	<b>Extracted:</b>						
	<b>Analyzed:</b>	Mar-11-13 17:00					
	<b>Units/RL:</b>	%      RL					
Percent Moisture		8.52    1.00					
<b>TPH By SW8015 Mod</b>	<b>Extracted:</b>	Mar-11-13 12:30					
	<b>Analyzed:</b>	Mar-12-13 01:30					
	<b>Units/RL:</b>	mg/kg      RL					
C6-C12 Gasoline Range Hydrocarbons		92.6    16.4					
C12-C28 Diesel Range Hydrocarbons		714    16.4					
C28-C35 Oil Range Hydrocarbons		ND    16.4					
Total TPH		807    16.4					

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

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Nicholas Straccione  
Project Manager

# Flagging Criteria

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

\* Surrogate recovered outside laboratory control limit.

**BRL** Below Reporting Limit.

**RL** Reporting Limit

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

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

**DL** Method Detection Limit

**NC** Non-Calculable

+ NELAC certification not offered for this compound.

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

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# Form 2 - Surrogate Recoveries

**Project Name: Line #101**

**Work Orders :** 458978, 458978

**Project ID:** (IRP-2677)

**Lab Batch #:** 908750

**Sample:** 458978-001 / SMP

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

	SURROGATE RECOVERY STUDY				
Units: mg/kg	Date Analyzed: 03/11/13 17:52				
BTEX by EPA 8021B  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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

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

	SURROGATE RECOVERY STUDY				
Units: mg/kg	Date Analyzed: 03/11/13 18:09				
BTEX by EPA 8021B  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0260	0.0300	87	80-120	
4-Bromofluorobenzene	0.0258	0.0300	86	80-120	

**Lab Batch #:** 908750

**Sample:** 458978-004 / SMP

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

	SURROGATE RECOVERY STUDY				
Units: mg/kg	Date Analyzed: 03/11/13 18:41				
BTEX by EPA 8021B  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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

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

	SURROGATE RECOVERY STUDY				
Units: mg/kg	Date Analyzed: 03/11/13 18:57				
BTEX by EPA 8021B  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0271	0.0300	90	80-120	
4-Bromofluorobenzene	0.0294	0.0300	98	80-120	

**Lab Batch #:** 908750

**Sample:** 458978-006 / SMP

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

	SURROGATE RECOVERY STUDY				
Units: mg/kg	Date Analyzed: 03/11/13 19:30				
BTEX by EPA 8021B  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0297	0.0300	99	80-120	
4-Bromofluorobenzene	0.0281	0.0300	94	80-120	

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

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

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



# Form 2 - Surrogate Recoveries

Project Name: Line #101

Work Orders : 458978, 458978

Project ID: (IRP-2677)

Lab Batch #: 908750

Sample: 458978-007 / SMP

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 03/11/13 19:46	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
BTEX by EPA 8021B						
Analytes						
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

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 03/11/13 22:50	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH By SW8015 Mod						
Analytes						
1-Chlorooctane		101	99.7	101	70-135	
o-Terphenyl		53.3	49.9	107	70-135	

Lab Batch #: 908752

Sample: 458978-002 / SMP

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 03/11/13 23:17	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH By SW8015 Mod						
Analytes						
1-Chlorooctane		110	100	110	70-135	
o-Terphenyl		57.5	50.0	115	70-135	

Lab Batch #: 908752

Sample: 458978-003 / SMP

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 03/11/13 23:44	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH By SW8015 Mod						
Analytes						
1-Chlorooctane		100	99.8	100	70-135	
o-Terphenyl		52.6	49.9	105	70-135	

Lab Batch #: 908752

Sample: 458978-004 / SMP

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 03/12/13 00:10	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH By SW8015 Mod						
Analytes						
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.

# Form 2 - Surrogate Recoveries

Project Name: Line #101

Work Orders : 458978, 458978

Project ID: (IRP-2677)

Lab Batch #: 908752

Sample: 458978-005 / SMP

Batch: 1 Matrix: Soil

	SURROGATE RECOVERY STUDY				
Units: mg/kg      Date Analyzed: 03/12/13 00:37					
TPH By SW8015 Mod  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	103	99.5	104	70-135	
o-Terphenyl	53.7	49.8	108	70-135	

Lab Batch #: 908752

Sample: 458978-006 / SMP

Batch: 1 Matrix: Soil

	SURROGATE RECOVERY STUDY				
Units: mg/kg      Date Analyzed: 03/12/13 01:04					
TPH 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	52.4	50.1	105	70-135	

Lab Batch #: 908752

Sample: 458978-007 / SMP

Batch: 1 Matrix: Soil

	SURROGATE RECOVERY STUDY				
Units: mg/kg      Date Analyzed: 03/12/13 01:30					
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	
o-Terphenyl	52.8	50.0	106	70-135	

Lab Batch #: 908750

Sample: 458978-003 / SMP

Batch: 1 Matrix: Soil

	SURROGATE RECOVERY STUDY				
Units: mg/kg      Date Analyzed: 03/12/13 07:19					
BTEX by EPA 8021B  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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 / BLK

Batch: 1 Matrix: Solid

	SURROGATE RECOVERY STUDY				
Units: mg/kg      Date Analyzed: 03/11/13 16:14					
BTEX by EPA 8021B  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0343	0.0300	114	80-120	
4-Bromofluorobenzene	0.0325	0.0300	108	80-120	

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

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

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

# Form 2 - Surrogate Recoveries

**Project Name: Line #101**

**Work Orders :** 458978, 458978

**Project ID:** (IRP-2677)

**Lab Batch #:** 908752

**Sample:** 634948-1-BLK / BLK

**Batch:** 1 **Matrix:** Solid

	SURROGATE RECOVERY STUDY				
<b>Units:</b> mg/kg <b>Date Analyzed:</b> 03/11/13 21:01					
TPH 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 / BKS

**Batch:** 1 **Matrix:** Solid

	SURROGATE RECOVERY STUDY				
<b>Units:</b> mg/kg <b>Date Analyzed:</b> 03/11/13 15:41					
BTEX by EPA 8021B  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0344	0.0300	115	80-120	
4-Bromofluorobenzene	0.0305	0.0300	102	80-120	

**Lab Batch #:** 908752

**Sample:** 634948-1-BKS / BKS

**Batch:** 1 **Matrix:** Solid

	SURROGATE RECOVERY STUDY				
<b>Units:</b> mg/kg <b>Date Analyzed:</b> 03/11/13 20:06					
TPH By SW8015 Mod  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.1	99.7	96	70-135	
o-Terphenyl	55.1	49.9	110	70-135	

**Lab Batch #:** 908750

**Sample:** 634947-1-BSD / BSD

**Batch:** 1 **Matrix:** Solid

	SURROGATE RECOVERY STUDY				
<b>Units:</b> mg/kg <b>Date Analyzed:</b> 03/11/13 15:57					
BTEX by EPA 8021B  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0300	0.0300	100	80-120	
4-Bromofluorobenzene	0.0331	0.0300	110	80-120	

**Lab Batch #:** 908752

**Sample:** 634948-1-BSD / BSD

**Batch:** 1 **Matrix:** Solid

	SURROGATE RECOVERY STUDY				
<b>Units:</b> mg/kg <b>Date Analyzed:</b> 03/11/13 20:34					
TPH 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	

\* Surrogate outside of Laboratory QC limits  
 \*\* Surrogates outside limits; data and surrogates confirmed by reanalysis  
 \*\*\* Poor recoveries due to dilution  
 Surrogate Recovery [D] = 100 \* A / B  
 All results are based on MDL and validated for QC purposes.



# Form 2 - Surrogate Recoveries

Project Name: Line #101

Work Orders : 458978, 458978

Project ID: (1RP-2677)

Lab Batch #: 908750

Sample: 458980-002 S / MS

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 03/11/13 21:07	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
BTEX by EPA 8021B						
Analytes						
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

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 03/12/13 06:21	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH By SW8015 Mod						
Analytes						
1-Chlorooctane		99.9	100	100	70-135	
o-Terphenyl		61.3	50.0	123	70-135	

Lab Batch #: 908750

Sample: 458980-002 SD / MSD

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 03/11/13 21:23	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
BTEX by EPA 8021B						
Analytes						
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 / MSD

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 03/12/13 06:48	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH By SW8015 Mod						
Analytes						
1-Chlorooctane		101	99.9	101	70-135	
o-Terphenyl		56.6	50.0	113	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**

**Work Order #:** 458978, 458978

**Analyst:** KEB

**Date Prepared:** 03/11/2013

**Project ID:** (IRP-2677)

**Date Analyzed:** 03/11/2013

**Lab Batch ID:** 908750

**Sample:** 634947-1-BKS

**Batch #:** 1

**Matrix:** Solid

**Units:** mg/kg

**BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY**

<b>BTEX by EPA 8021B</b>	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
<b>Analytes</b>											
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

**Date Prepared:** 03/11/2013

**Date Analyzed:** 03/11/2013

**Lab Batch ID:** 908752

**Sample:** 634948-1-BKS

**Batch #:** 1

**Matrix:** Solid

**Units:** mg/kg

**BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY**

<b>TPH By SW8015 Mod</b>	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
<b>Analytes</b>											
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



# Form 3 - MS / MSD Recoveries



Project Name: Line #101

Work Order #: 458978

Project ID: (IRP-2677)

Lab Batch ID: 908750

QC- Sample ID: 458980-002 S

Batch #: 1 Matrix: Soil

Date Analyzed: 03/11/2013

Date Prepared: 03/11/2013

Analyst: KEB

Reporting Units: mg/kg

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY 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	<0.00122	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: 458980-002 S

Batch #: 1 Matrix: Soil

Date Analyzed: 03/12/2013

Date Prepared: 03/11/2013

Analyst: KEB

Reporting Units: mg/kg

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
	C6-C12 Gasoline Range Hydrocarbons	<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  $[G] = 100 * (F-A) / E$

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

# Sample Duplicate Recovery

**Project Name: Line #101**

**Work Order #:** 458978

**Lab Batch #:** 908758

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

**Date Analyzed:** 03/11/2013 17:00

**Date Prepared:** 03/11/2013

**Analyst:** WRU

**QC- Sample ID:** 458978-001 D

**Batch #:** 1

**Matrix:** Soil

**Reporting Units:** %

<b>SAMPLE / SAMPLE DUPLICATE RECOVERY</b>					
<b>Percent Moisture</b>	<b>Parent Sample Result [A]</b>	<b>Sample Duplicate Result [B]</b>	<b>RPD</b>	<b>Control Limits %RPD</b>	<b>Flag</b>
<b>Analyte</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





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: 03/07/2013 04:20:00 PM

Temperature Measuring device used :

Work Order #: 458978

Sample Receipt Checklist

Comments

Table with 2 columns: Checklist items (#1-#22) and Comments. Items include questions about cooler temperature, shipping container condition, sample receipt, custody seals, chain of custody, and sample preservation.

\* 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: \_\_\_\_\_

# **Disposal Manifests**



**SUNDANCE SERVICES, Inc.**

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

TICKET No. **237447**

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: Line # 101 IRP-2697

TRANSPORTER COMPANY: Basin Epuira

DATE: 2-28-13 VEHICLE NO: 8 TIME: 17:36 AM/PM

GENERATOR COMPANY  
MAY'S NAME: C. Stanley

CHARGE TO: SUG REG NAME AND NUMBER

**TYPE OF MATERIAL**

- Production Water
- Drilling Fluids
- Tank Bottoms
- Contaminated Soil
- Solids
- BSSW Content:

- Rinsate
- Jet Out
- Call Out

Description: o/d

RRC or API #

C-133#

VOLUME OF MATERIAL  BBLs. : 1 YARD 12 :

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

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

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

DRIVER: [Signature]

FACILITY REPRESENTATIVE: [Signature]

White - Sundance Canary - Sundance Act #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-286-5401 - www.PromoSignMarket.com



**SUNDANCE SERVICES, Inc.**

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

TICKET No. **237465**

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: Line # 101 IRP-2697

TRANSPORTER COMPANY: Basin Epuira

DATE: 2-28-13 VEHICLE NO: 8 TIME: 1:55 AM/PM

GENERATOR COMPANY  
MAY'S NAME: C. Stanley

CHARGE TO: SUG REG NAME AND NUMBER

**TYPE OF MATERIAL**

- Production Water
- Drilling Fluids
- Tank Bottoms
- Contaminated Soil
- Solids
- BSSW Content:

- Rinsate
- Jet Out
- Call Out

Description: o/d

RRC or API #

C-133#

VOLUME OF MATERIAL  BBLs. : 1 YARD 12 :

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

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

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

DRIVER: [Signature]

FACILITY REPRESENTATIVE: [Signature]

White - Sundance Canary - Sundance Act #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-286-5401 - www.PromoSignMarket.com



# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(505) 394-2311

TICKET No. **237597**

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: Line 1-IRP-2677

TRANSPORTER COMPANY: Power Environmental

DATE: 3-01-13 VEHICLE NO: 8 TIME: 1:30 AM/PM

GENERATOR COMPANY NAME'S NAME: A. Stanley

CHARGE TO: SUG REG. NAME AND NUMBER

### TYPE OF MATERIAL

- Production Water
- Drilling Fluids
- Contaminated Soil
- Solids
- BSSW Content:

- Rinsate
- Jet Out
- Call Out

Description: Oil

RRC or API #

C-133#

VOLUME OF MATERIAL [ ] BBLs. : X YARD 12 : [ ]

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

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

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance Canary - Sundance Act #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-286-5401 • www.PromoSignMarket.com



# SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231  
(505) 394-2311

TICKET No. **237576**

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: Line 1-IRP-2677

TRANSPORTER COMPANY: Power Environmental

DATE: 3-01-13 VEHICLE NO: 8 TIME: 11:47 AM/PM

GENERATOR COMPANY NAME'S NAME: A. Stanley

CHARGE TO: SUG REG. NAME AND NUMBER

### TYPE OF MATERIAL

- Production Water
- Drilling Fluids
- Contaminated Soil
- Solids
- BSSW Content:

- Rinsate
- Jet Out
- Call Out

Description: Oil

RRC or API #

C-133#

VOLUME OF MATERIAL [ ] BBLs. : X YARD 12 : [ ]

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

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance Canary - Sundance Act #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-286-5401 • www.PromoSignMarket.com





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

TICKET No. **237863**

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: Line 101 - 1RP 2697

TRANSPORTER COMPANY: Basin Service

DATE: 3-4-13 VEHICLE NO: 8 TIME: 2:42 AM/PM

GENERATOR COMPANY NAME'S NAME: \_\_\_\_\_

CHARGE TO: SUG RRC NAME AND NUMBER \_\_\_\_\_

**TYPE OF MATERIAL**

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BS&W Content:

Description: o/d

RRC or API # \_\_\_\_\_

VOLUME OF MATERIAL [ ] BBLs. : X YARD 12 : [ ]

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

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DRIVER: [Signature] (SIGNATURE)

FACILITY REPRESENTATIVE: A. Sta Cruz (SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 - www.PromoSupermarket.com



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

TICKET No. **237848**

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: Line 101 - 1RP 2697

TRANSPORTER COMPANY: Basin Service

DATE: 3-4-13 VEHICLE NO: 8 TIME: 1:32 AM/PM

GENERATOR COMPANY NAME'S NAME: \_\_\_\_\_

CHARGE TO: SUG RRC NAME AND NUMBER \_\_\_\_\_

**TYPE OF MATERIAL**

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BS&W Content:

Description: o/d

RRC or API # \_\_\_\_\_

VOLUME OF MATERIAL [ ] BBLs. : X YARD 12 : [ ]

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

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DRIVER: [Signature] (SIGNATURE)

FACILITY REPRESENTATIVE: A. Sta Cruz (SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 - www.PromoSupermarket.com



**SUNDANCE SERVICES, Inc.**

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

TICKET NO. **237831**

LEASE OPERATOR/SHIPPER/COMPANY: **SUG**

LEASE NAME: **Line 101 - 1RP-2677**

TRANSPORTER COMPANY: **Basin Enviro.**

DATE: **3-4-13**

TIME: **12:15 AM/PM**

VEHICLE NO: **8**

GENERATOR COMPANY  
MAN'S NAME

REG. NAME  
AND NUMBER

CHARGE TO: **SUG**

- TYPE OF MATERIAL**
- Production Water
  - Drilling Fluids
  - Tank Bottoms
  - Contaminated Soil
  - Solids
  - BSWW Content:

- Rinsate
- Jet Out
- Call Out

Description: **old**

RRC or API #

C-133#

VOLUME OF MATERIAL [ ] BBLs. : **X** YARD **12** : [ ]

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

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DRIVER: *[Signature]*

FACILITY REPRESENTATIVE: *[Signature]*

White - Sundance

Canary - Sundance Act #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 • www.PromoSupermarket.com



**SUNDANCE SERVICES, Inc.**

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

TICKET NO. **237817**

LEASE OPERATOR/SHIPPER/COMPANY: **SUG**

LEASE NAME: **Line 101 - 1RP-2677**

TRANSPORTER COMPANY: **Basin Enviro.**

DATE: **3-4-13**

TIME: **10:55 AM/PM**

VEHICLE NO: **8**

GENERATOR COMPANY  
MAN'S NAME

REG. NAME  
AND NUMBER

CHARGE TO: **SUG**

- TYPE OF MATERIAL**
- Production Water
  - Drilling Fluids
  - Tank Bottoms
  - Contaminated Soil
  - Solids
  - BSWW Content:

- Rinsate
- Jet Out
- Call Out

Description: **old**

RRC or API #

C-133#

VOLUME OF MATERIAL [ ] BBLs. : **X** YARD **12** : [ ]

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

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DRIVER: *[Signature]*

FACILITY REPRESENTATIVE: *[Signature]*

White - Sundance

Canary - Sundance Act #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 • www.PromoSupermarket.com



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

**TICKET No. 237950**

LEASE OPERATOR/SHIPPER/COMPANY: SUG  
LEASE NAME: Line 101 - IRP 2697  
TRANSPORTER COMPANY: Basin Enviro.  
DATE: 3-5-13 VEHICLE NO: 8 TIME: 9:39 AM/PM  
GENERATOR COMPANY MAN'S NAME: A. Stanley  
CHARGE TO: SUG REG NAME AND NUMBER

**TYPE OF MATERIAL**  
 Production Water  
 Tank Bottoms  
 Solids  
 Drilling Fluids  
 Contaminated Soil  
 BS&W Content  
Description: old  
RRC or API #  
VOLUME OF MATERIAL | BBLs. : X YARD : 12 : ( ) C-133#

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

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DRIVER: A. Stanley (SIGNATURE)  
FACILITY REPRESENTATIVE: A. Sta Cruz (SIGNATURE)  
White - Sundance Canary - Sundance Acct #1 Pink - Transporter  
Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 - www.PromoSupplies.net.com



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

**TICKET No. 238010**

LEASE OPERATOR/SHIPPER/COMPANY: SUG  
LEASE NAME: Line 101 - IRP-2677  
TRANSPORTER COMPANY: Basin Enviro.  
DATE: 3-5-13 VEHICLE NO: 8 TIME: 1:32 AM/PM  
GENERATOR COMPANY MAN'S NAME: A. Stanley  
CHARGE TO: SUG REG NAME AND NUMBER

**TYPE OF MATERIAL**  
 Production Water  
 Tank Bottoms  
 Solids  
 Drilling Fluids  
 Contaminated Soil  
 BS&W Content  
Description: old  
RRC or API #  
VOLUME OF MATERIAL | BBLs. : X YARD : 12 : ( ) C-133#

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

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

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DRIVER: A. Stanley (SIGNATURE)  
FACILITY REPRESENTATIVE: A. Sta Cruz (SIGNATURE)  
White - Sundance Canary - Sundance Acct #1 Pink - Transporter  
Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 - www.PromoSupplies.net.com



**SUNDANCE SERVICES, Inc.**

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

TICKET No. **237998**

LEASE OPERATOR/SHIPPER/COMPANY: **SUG**

LEASE NAME: **Line 101 IRP-2677**

TRANSPORTER COMPANY: **Basin Environmental**

DATE: **3-5-13** VEHICLE NO.: **8** TIME: **12:28 AM** PM

GENERATOR COMPANY NAME: **A. Stanley**

CHARGE TO: **5114** REG. VALUE AND NUMBER

**TYPE OF MATERIAL**

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BS&W Content
- Rinsate
- Jet Out
- Call Out

Description: **D/D**

RRC or API #

VOLUME OF MATERIAL [ ] BBLs. : **X** YARD **12** : [ ]

C-133#

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

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DRIVER: *[Signature]*

FACILITY REPRESENTATIVE: *[Signature]*

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 - www.PromoSignMarket.com



**SUNDANCE SERVICES, Inc.**

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

TICKET No. **237968**

LEASE OPERATOR/SHIPPER/COMPANY: **SUG**

LEASE NAME: **Line 101 IRP-2677**

TRANSPORTER COMPANY: **Basin Enviro.**

DATE: **3-5-13** VEHICLE NO.: **8** TIME: **10:52 AM** PM

GENERATOR COMPANY NAME: **A. Stanley**

CHARGE TO: **5114** REG. VALUE AND NUMBER

**TYPE OF MATERIAL**

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BS&W Content
- Rinsate
- Jet Out
- Call Out

Description: **D/D**

RRC or API #

VOLUME OF MATERIAL [ ] BBLs. : **X** YARD **12** : [ ]

C-133#

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

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

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

DRIVER: *[Signature]*

FACILITY REPRESENTATIVE: *[Signature]*

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 - www.PromoSignMarket.com



# SUNDANCE SERVICES, Inc.

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

TICKET No. **238029**

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: Line 41-1RP-2677

TRANSPORTER COMPANY: Basim Enuro

DATE: 3-6-13 VEHICLE NO: 8 TIME: 3:04 AM/PM

GENERATOR COMPANY NAME: Basim Enuro

GENERATOR MAN'S NAME: Stanley

CHARGE TO: 5116 REG NAME AND NUMBER: 0

### TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BS&W Content:
- Rinsate
- Jet Out
- Call Out

Description: oil

RRC or API #

VOLUME OF MATERIAL  BBLs. : 12 YARD :

C-133#

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

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

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

DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Act #1

Pink - Transporter

Re-order from: TOTALLY SWAMP ADVERTISING • 432-586-5401 • www.PromoSuppliesMarket.com



# SUNDANCE SERVICES, Inc.

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

TICKET No. **238258**

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: Line 41-1RP-2677

TRANSPORTER COMPANY: Basim Enuro

DATE: 3-6-13 VEHICLE NO: 8 TIME: 3:04 AM/PM

GENERATOR COMPANY NAME: Basim Enuro

GENERATOR MAN'S NAME: Stanley

CHARGE TO: 5116 REG NAME AND NUMBER: 0

### TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BS&W Content:
- Rinsate
- Jet Out
- Call Out

Description: oil

RRC or API #

VOLUME OF MATERIAL  BBLs. : 12 YARD :

C-133#

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

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

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

DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Act #1

Pink - Transporter

Re-order from: TOTALLY SWAMP ADVERTISING • 432-586-5401 • www.PromoSuppliesMarket.com



# SUNDANCE SERVICES, Inc.

P.O. Box 1737 El Paso, New Mexico 88231  
(575) 394-2311

TICKET No. **238233**

LEASE OPERATOR/SHIPPER/COMPANY: *SUG*

LEASE NAME: *Line 101-1RP-2697*

TRANSPORTER COMPANY: *Basin Service*

DATE: *3-6-13* VEHICLE NO: *8*

TIME: *1:57* AM/PM

GENERATOR COMPANY  
MAN'S NAME

*D. Stanley*

CHARGE TO: *SUG*

REG. NAME  
AND NUMBER

### TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BSWW Content:

Description: *o/d*

RRC or API #

C-133#

VOLUME OF MATERIAL [ ] BBLs. : *12* YARD [ ]

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

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

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DRIVER: *[Signature]*

(SIGNATURE)

FACILITY REPRESENTATIVE: *[Signature]*

(SIGNATURE)

White - Sundance

Canary - Sundance Act #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



# SUNDANCE SERVICES, Inc.

P.O. Box 1737 El Paso, New Mexico 88231  
(575) 394-2311

TICKET No. **238209**

LEASE OPERATOR/SHIPPER/COMPANY: *SUG*

LEASE NAME: *Line 101-1RP-9677*

TRANSPORTER COMPANY: *Basin Service*

DATE: *3-6-13* VEHICLE NO: *8*

TIME: *12:19* AM/PM

GENERATOR COMPANY  
MAN'S NAME

*D. Stanley*

CHARGE TO: *SUG*

REG. NAME  
AND NUMBER

### TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BSWW Content:

Description: *o/d*

RRC or API #

C-133#

VOLUME OF MATERIAL [ ] BBLs. : *12* YARD [ ]

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

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DRIVER: *[Signature]*

(SIGNATURE)

FACILITY REPRESENTATIVE: *[Signature]*

(SIGNATURE)

White - Sundance

Canary - Sundance Act #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com



# SUNDANCE SERVICES, Inc.

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

TICKET NO. **236181**

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: Line 101 - 1RP - 21677

TRANSPORTER COMPANY: Basin Enviro.

DATE: 3-6-13 VEHICLE NO: 8 TIME: 11:03 AM/PM

GENERATOR COMPANY  
MAN'S NAME

INC NAME  
AND NUMBER

CHARGE TO: SUG

### TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BS&W Content:

Description: oil

RRC or API #

C-133#

VOLUME OF MATERIAL [ ] BBLs. : 12 YARD [ ] :

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

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 - www.PromoSupermarket.com



# SUNDANCE SERVICES, Inc.

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

TICKET NO. **238158**

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: Line 101 - 1RP - 21677

TRANSPORTER COMPANY: Basin Enviro.

DATE: 3-6-13 VEHICLE NO: 8 TIME: 9:53 AM/PM

GENERATOR COMPANY  
MAN'S NAME

INC NAME  
AND NUMBER

CHARGE TO: SUG

### TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BS&W Content:

Description: oil

RRC or API #

C-133#

VOLUME OF MATERIAL [ ] BBLs. : 12 YARD [ ] :

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

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 - www.PromoSupermarket.com



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

TICKET No. **238134**

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: Line 101-1RP-2677

TRANSPORTER COMPANY: Boson Envia

DATE: 3-6-13 VEHICLE NO: 8

CHARGE TO: SUG

GENERATOR COMPANY  
 MAKE'S NAME: Boson Envia

TIME: 5:43 AM

REG. STATE  
 AND NUMBER

**TYPE OF MATERIAL**

- Production Water
- Drilling Fluids
- Tank Bottoms
- Contaminated Soil
- Solids
- BS&W Content:

- Rinsate
- Jet Out
- Call Out

Description: o/d

RRC or API #

VOLUME OF MATERIAL  BBLs. : 12 YARD  :

C-133#

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

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 • www.PromoSupermarket.com



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

TICKET No. **238409**

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: Line 101-1RP-2677

TRANSPORTER COMPANY: Boson Envia

DATE: 3-7-13 VEHICLE NO: 9

CHARGE TO: SUG

GENERATOR COMPANY  
 MAKE'S NAME: Boson Envia

TIME: 9:32 AM

REG. STATE  
 AND NUMBER

**TYPE OF MATERIAL**

- Production Water
- Drilling Fluids
- Tank Bottoms
- Contaminated Soil
- Solids
- BS&W Content:

- Rinsate
- Jet Out
- Call Out

Description: o/d

RRC or API #

VOLUME OF MATERIAL  BBLs. : 12 YARD  :

C-133#

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

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

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 • www.PromoSupermarket.com



# SUNDANCE SERVICES, Inc.

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

TICKET No. **238462**

LEASE OPERATOR/SHIPPER/COMPANY: 5119

LEASE NAME: Line 101 - IRP - 2677

TRANSPORTER COMPANY: Basin Service

DATE: 3-7-13 VEHICLE NO: 8

CHARGE TO: 5119

TIME: 2:45 AM/PM

GENERATOR COMPANY NAME: D. Stanley

INC NAME AND NUMBER

### TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BS&W Content
- Rinsate
- Jet Out
- Call Out

Description: D/D

RRC or API #

VOLUME OF MATERIAL [ ] BBLs. : 1 YARD 12 : [ ]

C-133#

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

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

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

DRIVER: [Signature]

FACILITY REPRESENTATIVE: [Signature]

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 - www.PromoSupermarket.com



# SUNDANCE SERVICES, Inc.

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

TICKET No. **238476**

LEASE OPERATOR/SHIPPER/COMPANY: 5119

LEASE NAME: Line 101 - IRP - 2677

TRANSPORTER COMPANY: Basin Service

DATE: 3-7-13 VEHICLE NO: 8

CHARGE TO: 5119

TIME: 3:30 AM/PM

GENERATOR COMPANY NAME: D. Stanley

INC NAME AND NUMBER

### TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BS&W Content
- Rinsate
- Jet Out
- Call Out

Description: D/D

RRC or API #

VOLUME OF MATERIAL [ ] BBLs. : 1 YARD 12 : [ ]

C-133#

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

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

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DRIVER: [Signature]

FACILITY REPRESENTATIVE: [Signature]

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 - www.PromoSupermarket.com



# SUNDANCE SERVICES, Inc.

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

TICKET No. **238449**

LEASE OPERATOR/SHIPPER/COMPANY: **SIIG**

LEASE NAME: **Line 101 - IRP - 2677**

TRANSPORTER COMPANY: **Bosun Ewiri.**

DATE: **3-9-13** VEHICLE NO: **8** TIME: **1:19 AM/PM**

GENERATOR COMPANY NAME: **Bosun Ewiri.**

CHARGE TO: **SIIG** RIG NAME AND NUMBER

### TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BSSW Content:

Description: **Oil**

RRC or API #

VOLUME OF MATERIAL [ ] BBLs. : **1** YARD **12** : [ ]

C-133#

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

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

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DRIVER: *[Signature]*

FACILITY REPRESENTATIVE: *[Signature]*

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 - www.PromoSupermarket.com



# SUNDANCE SERVICES, Inc.

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

TICKET No. **238419**

LEASE OPERATOR/SHIPPER/COMPANY: **SIIG**

LEASE NAME: **Line 101 - IRP - 2677**

TRANSPORTER COMPANY: **Bosun Ewiri.**

DATE: **3-9-13** VEHICLE NO: **8** TIME: **1:19 AM/PM**

GENERATOR COMPANY NAME: **Bosun Ewiri.**

CHARGE TO: **SIIG** RIG NAME AND NUMBER

### TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BSSW Content:

Description: **Oil**

RRC or API #

VOLUME OF MATERIAL [ ] BBLs. : **1** YARD **12** : [ ]

C-133#

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

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

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DRIVER: *[Signature]*

FACILITY REPRESENTATIVE: *[Signature]*

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 - www.PromoSupermarket.com



# SUNDANCE SERVICES, Inc.

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

TICKET No. **238394**

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: Line 101-1R P-2677

TRANSPORTER COMPANY: Basin Survey

DATE: 3-7-13 VEHICLE NO: 8

TIME: 11:28 AM

GENERATOR COMPANY NAME: O. Stanley

CHARGE TO: SUG

REG. NAME AND NUMBER

### TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BSW Content:

Description: o/d

RRC or API #

C-133#

VOLUME OF MATERIAL: 1 BBLS. : X YARD 12 : 1

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

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DRIVER: [Signature]

FACILITY REPRESENTATIVE: [Signature]

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 - www.PromoSupermarket.com



# SUNDANCE SERVICES, Inc.

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

TICKET No. **238365**

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: Line 101-1R P-2677

TRANSPORTER COMPANY: Basin Survey

DATE: 3-7-13 VEHICLE NO: 8

TIME: 6:19 AM

GENERATOR COMPANY NAME: O. Stanley

CHARGE TO: SUG

REG. NAME AND NUMBER

### TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BSW Content:

Description: o/d

RRC or API #

C-133#

VOLUME OF MATERIAL: 1 BBLS. : X YARD 12 : 1

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

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DRIVER: [Signature]

FACILITY REPRESENTATIVE: [Signature]

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 - www.PromoSupermarket.com



# SUNDANCE SERVICES, Inc.

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

TICKET No. **238345**

LEASE OPERATOR/SHIPPER/COMPANY: **SUG**

LEASE NAME: **Line 101 - IRP-2677**

TRANSPORTER COMPANY: **Basin Envr.**

DATE: **3-7-13** VEHICLE NO: **0. Stanley** TIME **9:49 AM/PM**

GENERATOR/COMPANY

MAN'S NAME

REG. NAME AND NUMBER

CHARGE TO: **SUG**

### TYPE OF MATERIAL

- Production Water
- Drilling Fluids
- Tank Bottoms
- Contaminated Soil
- Solids
- BS&W Content:

- Rinsate
- Jet Out
- Call Out

Description: **oil**

RRC or API #

C-133#

VOLUME OF MATERIAL [ ] BBLs. : **1** YARD **12** : [ ]

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

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DRIVER: **[Signature]**

FACILITY REPRESENTATIVE: **[Signature]**

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 - www.PromoSupermarket.com



# SUNDANCE SERVICES, Inc.

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

TICKET No. **238432**

LEASE OPERATOR/SHIPPER/COMPANY: **SUG**

LEASE NAME: **Line 101 - IRP-2677**

TRANSPORTER COMPANY: **Basin Envr.**

DATE: **3-7-13** VEHICLE NO: **0. Stanley** TIME **1:41 AM/PM**

GENERATOR/COMPANY

MAN'S NAME

REG. NAME AND NUMBER

CHARGE TO: **SUG**

### TYPE OF MATERIAL

- Production Water
- Drilling Fluids
- Tank Bottoms
- Contaminated Soil
- Solids
- BS&W Content:

- Rinsate
- Jet Out
- Call Out

Description: **oil**

RRC or API #

C-133#

VOLUME OF MATERIAL [ ] BBLs. : **1** YARD **12** : [ ]

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

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DRIVER: **[Signature]**

FACILITY REPRESENTATIVE: **[Signature]**

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 - www.PromoSupermarket.com



**SUNDANCE SERVICES, Inc.**

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

TICKET No. **238630**

LEASE OPERATOR/SHIPPER/COMPANY: SILG  
LEASE NAME: Line 101-IRP-2677  
TRANSPORTER COMPANY: Basin Service  
DATE: 3-8-13 VEHICLE NO: 8 TIME: 1:39 AM/PM  
GENERATOR COMPANY MAN'S NAME: O. Stanley  
CHARGE TO: SILG IBC NAME AND NUMBER

**TYPE OF MATERIAL**

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BS&W Content:
- Rinseate
- Jet Out
- Call Out

Description: oil

RRC or API # \_\_\_\_\_ C-133# \_\_\_\_\_

VOLUME OF MATERIAL [ ] BBLs. : X YARD 12 : [ ]

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

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DRIVER: [Signature]  
FACILITY REPRESENTATIVE: A. Sta Cruz  
White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 - www.PromoSupermarket.com



**SUNDANCE SERVICES, Inc.**

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

TICKET No. **238610**

LEASE OPERATOR/SHIPPER/COMPANY: SILG  
LEASE NAME: Line 100-IRP-2677  
TRANSPORTER COMPANY: Basin Service  
DATE: 3-8-13 VEHICLE NO: 8 TIME: 12:16 AM/PM  
GENERATOR COMPANY MAN'S NAME: O. Stanley  
CHARGE TO: SILG IBC NAME AND NUMBER

**TYPE OF MATERIAL**

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BS&W Content:
- Rinseate
- Jet Out
- Call Out

Description: oil

RRC or API # \_\_\_\_\_ C-133# \_\_\_\_\_

VOLUME OF MATERIAL [ ] BBLs. : X YARD 12 : [ ]

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DRIVER: [Signature]  
FACILITY REPRESENTATIVE: A. Sta Cruz  
White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 - www.PromoSupermarket.com



# SUNDANCE SERVICES, Inc.

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

TICKET NO. **238595**

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: Line 101 - IRP - 2677

TRANSPORTER COMPANY: Basin Service

DATE: 3-5-13 VEHICLE NO: 08 TIME: 11:19 AM/PM

GENERATOR COMPANY NAME: \_\_\_\_\_

CHARGE TO: SUG IBC NAME AND NUMBER: \_\_\_\_\_

### TYPE OF MATERIAL

- Production Water
- Drilling Fluids
- Tank Bottoms
- Contaminated Soil
- Solids
- BS&W Content:

- Rinsate
- Jet Out
- Call Out

Description: o/d

RRR or API # \_\_\_\_\_

VOLUME OF MATERIAL [ ] BBLs. : X YARD 12 : [ ]

C-133# \_\_\_\_\_

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DRIVER: [Signature]

FACILITY REPRESENTATIVE: [Signature]

White - Sundance

Canary - Sundance Act #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-286-5401 • www.PromoSupermarket.com



# SUNDANCE SERVICES, Inc.

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

TICKET NO. **238573**

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: Line 101 - IRP - 2677

TRANSPORTER COMPANY: Basin Service

DATE: 3-5-13 VEHICLE NO: 8 TIME: 9:56 AM/PM

GENERATOR COMPANY NAME: \_\_\_\_\_

CHARGE TO: SUG IBC NAME AND NUMBER: \_\_\_\_\_

### TYPE OF MATERIAL

- Production Water
- Drilling Fluids
- Tank Bottoms
- Contaminated Soil
- Solids
- BS&W Content:

- Rinsate
- Jet Out
- Call Out

Description: o/d

RRR or API # \_\_\_\_\_

VOLUME OF MATERIAL [ ] BBLs. : X YARD 12 : [ ]

C-133# \_\_\_\_\_

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

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DRIVER: [Signature]

FACILITY REPRESENTATIVE: [Signature]

White - Sundance

Canary - Sundance Act #1

Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-286-5401 • www.PromoSupermarket.com

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

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

RECEIVED

JAN 28 2011

HOBBSOCD

Form C-14  
Revised October 10, 20

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

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company	Southern Union Gas Services	Contact	Curt Stanley
Address	1507 W. 15 <sup>th</sup> Street, Monahans, TX 79756	Telephone No.	575-390-7595
Facility Name	Pipeline #101	Facility Type	Natural Gas Pipeline
Surface Owner	Crawford	Mineral Owner	
		Lease No.	30-025-38822

**LOCATION OF RELEASE**

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

Latitude N 32 degrees 11.749' Longitude W 103 degrees 10.788'

**NATURE OF RELEASE**

Type of Release	Crude Oil, Produced Water and Natural Gas	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 Unknown	Date and Hour of Discovery	January 25, 2011 - approximately 1200 hrs
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?	Curt Stanley	Date and Hour			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

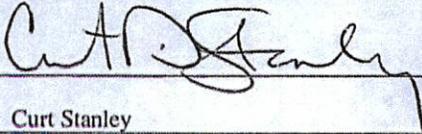
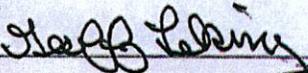
A sixteen (16) inch diameter low pressure steel pipeline developed a leak, most likely due to internal corrosion. A vacuum truck was called to recover free standing fluids from the ground surface. Following the excavation of the pipeline, a temporary pipeline clamp was utilized to mitigate the release. 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 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.

**OIL CONSERVATION DIVISION**

Signature: 	Approved by: <b>ENV. ENGINEER:</b> 	
Printed Name: Curt Stanley	Approval Date: 01/28/11	Expiration Date: 03/28/11
Title: EHS Compliance Specialist	Conditions of Approval: <b>SUBMIT FINAL C-141 BY</b>	
E-mail Address: curt.stanley@sug.com	Attached <input type="checkbox"/> <b>WRP-01-N-2677</b>	
Date: 1/27/2011	Phone: 575-390-7595	

\* Attach Additional Sheets If Necessary

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141  
Revised October 10, 2003

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

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company	Southern Union Gas Services, Ltd.	Contact	Crystal Callaway
Address	801 S. Loop 464, Monahans, TX, 79756	Telephone No.	(817) 302-9407
Facility Name: Pipeline #101	(RP-2677)	Facility Type	Natural Gas Gathering
Surface Owner	Crawford	Mineral Owner:	
		Lease No.	30-025-38822

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	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	Date and Hour of Discovery
		January 25, 2011 - Time Unknown	January 25, 2011 - approximately 1200 hrs
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Curt Stanley	Date and Hour:	
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken:

A 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 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.

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' 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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Crystal Callaway	Approved by District Supervisor:	
Title: Sr. EHS Compliance Specialist	Approval Date:	Expiration Date:
E-mail Address: Crystal.Callaway@Regencygas.com	Conditions of Approval:	
Date: 12/01/2014	Phone: (817) 302-9407	