

# *Basin Environmental Service Technologies, LLC*

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Lovington, New Mexico 88260

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

**SOUTHERN UNION GAS SERVICES  
WOOLWORTH 12" (1RP-1875)  
HISTORICAL RELEASE SITE**

**Lea County, New Mexico**

**Unit Letter "I" (NE/SE), Section 28, Township 24 South, Range 37 East**

**Latitude 32° 11.137' North, Longitude 103° 09.778' West**

**NMOCD Reference # 1RP-1875**

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

**November 2012**

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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 the Woolworth 12" Historical Release Site. The legal description of the release site is Unit Letter "T" (NE/SE), Section 28, Township 24 South, Range 37 East, in Lea County, New Mexico. The geographic coordinates of the release site are 32° 11.137' North latitude and 103° 09.778' West longitude. The property affected by the release is owned by the Woolworth "Jal Library" Trust. Please reference Figure 1 for a "Site Location Map".

On March 1, 2008, Southern Union discovered a release had occurred on the Woolworth 12" Pipeline. The "Release Notification and Corrective Action" (Form C-141) indicated failure of a section of twelve-inch (12") low-pressure pipeline resulted in the release of approximately twelve barrels (12 bbls) of crude oil and seventeen (17) Mcf of natural gas. The pipeline has since been repaired. Approximately one thousand, five hundred and eighty square feet (1,580 ft<sup>2</sup>) of pasture land was affected by the release. The release was reported to the New Mexico Oil Conservation Division (NMOCD) Hobbs District Office on June 8, 2008. 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 unavailable for Section 28, Township 24 South, Range 37 East. An NMOCD representative indicated the depth to groundwater is less than one hundred feet (100') on the initial C-141. Based on the NMOCD ranking system, ten (10) points will be assigned to the site as a result of this criterion.

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

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

NMOCD guidelines indicate the Woolworth 12" Historical Release Site has an initial ranking score of ten (10) points. The soil remediation levels for a site with a ranking score of ten (10) points are as follows:

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

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

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

On June 10, 2008, Basin began remediation activities at the release site. Heavily impacted soil was excavated and stockpiled on-site pending final disposition. A photo-ionization detector (PID) and chloride field test strips were used to field screen soil samples and help guide the excavation. The excavation floor and sidewalls were advanced until field measurements indicated benzene, toluene, ethylbenzene and xylene (BTEX), total petroleum hydrocarbons (TPH) and chloride concentrations were below NMOCD regulatory remediation action levels.

On June 13, 2008, eight (8) confirmation soil samples (“A” North Floor, “A” North Wall East Bottom, Floor, “B” North Floor, North Wall, East Wall, South Wall and West Wall) were collected from the floor and sidewalls of the excavation and submitted to Xenco Laboratories, of Odessa, Texas, for analysis of TPH concentrations in accordance with EPA Method SW 846-8015M. Laboratory analytical results indicated TPH concentrations ranged from less than the appropriate laboratory method detection limit (MDL) for soil samples “B” North Floor, North Wall and West Wall to 39.0 mg/Kg for soil sample East Wall.

Soil samples “A” North Floor, “A” North Wall East Bottom and “B” North Floor were also analyzed for concentrations of BTEX and chloride in accordance with EPA Methods SW 846-8021B and 300/300.1, respectively. Laboratory analytical results indicated benzene and BTEX concentrations were less than the appropriation laboratory MDL in each of the soil samples. Chloride concentrations ranged from 5.75 mg/Kg for soil sample “A” North Floor to 8.7 mg/Kg for soil sample “B” North Floor. Benzene, BTEX, TPH and chloride concentrations were less than NMOCD regulatory remediation action levels in each of the submitted soil samples. 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 June 19, 2008, Basin began backfilling the excavation with treated material from Southern Union Gas Services’ Landfarm. Excavation backfill was compacted and contoured to fit the surrounding topography. Prior to backfilling the excavation, the final dimensions were approximately one hundred feet (100’) in length, eighty feet (80’) in width, and ranged in depth from approximately three feet (3’) to sixteen feet (16’) bgs.

Between June 19, and June 25, 2008, approximately one thousand, four hundred and sixty-four cubic yards (1,464 yd<sup>3</sup>) of impacted material was transported to Southern Union Gas Services’ Landfarm (Discharge Permit # NM-02-0019) for treatment. “Certificate of Waste Status” manifest are provided as Appendix C.

On October 15, 2012, the Woolworth 12” Historical Release Site was revisited. Review of existing work records and analytical documentation indicated previous remediation activities conducted on the Woolworth 12” Historical Release Site met the requirements of the NMOCD’s “Guidelines for Remediation of Leaks, Spills and Releases”.



## **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 300/300.1

### **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 Woolworth 12" 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 Woolworth 12" Historical Release Site.

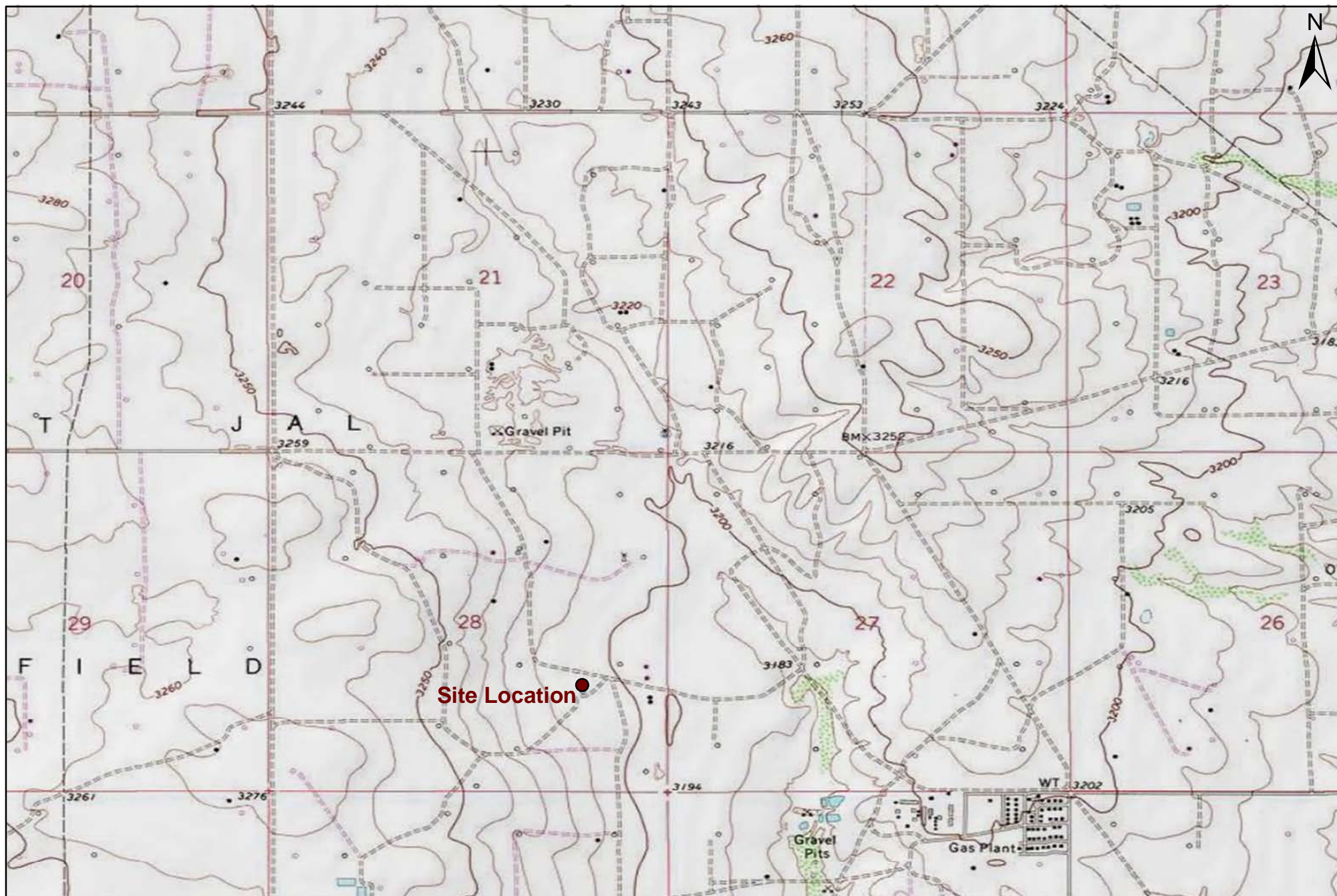
## 6.0 LIMITATIONS

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



1,000 500 0 1,000 2,000  
 Distance in Feet

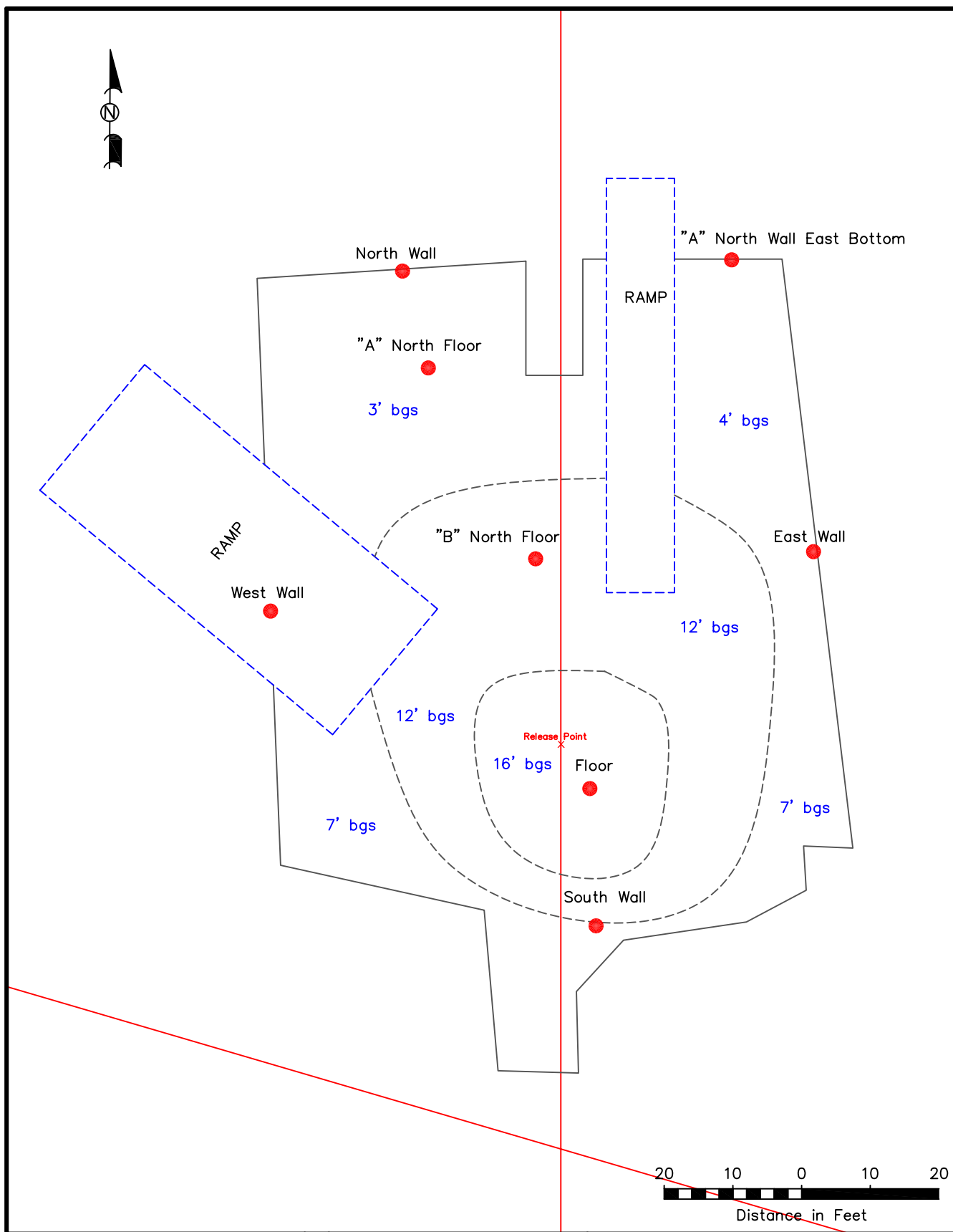
**Figure 1**  
**Site Location Map**  
 Southern Union Gas Services  
 Woolworth 12" Historical  
 Lea County, New Mexico  
 NMOCD Reference #: 1RP-1875



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

Drawn By: BJA      Checked By: JWL

November 5, 2012      Scale: 1" = 2000'



#### LEGEND:

- Excavation Extent
- - - - - Grade Change
- - - - - Ramp
- Sample Location
- Pipeline
- X Release Point

Figure 2

Site & Sample Location Map  
Southern Union Gas Services  
Woolworth 12" (RP-1875)  
Lea County, NM

Basin Environmental Services

Scale: 1" = 20'	Drawn By: JWL	Prepared By: BRB
October 24, 2012		

TABLE 1

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

SOUTHERN UNION GAS SERVICES  
 WOOLWORTH 12"  
 HISTORICAL RELEASE SITE  
 LEA COUNTY, NEW MEXICO  
 NMOCD REF# 1RP-1875

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M			TOTAL TPH C <sub>6</sub> -C <sub>28</sub> (mg/Kg)	EPA: 300 CHLORIDE (mg/Kg)
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C <sub>6</sub> -C <sub>12</sub> (mg/Kg)	DRO C <sub>12</sub> -C <sub>28</sub> (mg/Kg)	ORO C <sub>28</sub> -C <sub>35</sub> (mg/Kg)		
"A" North Floor	N/A	6/13/2008	In-Situ	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.2	28.6	<16.2	28.6	5.75
"A" North Wall East Bottom	N/A	6/13/2008	In-Situ	<0.0010	<0.0021	<0.0010	<0.0021	<0.0021	<15.6	18.7	<15.6	18.7	7.43
Floor	N/A	6/13/2008	In-Situ	-	-	-	-	-	<15.9	27.9	<15.9	27.9	-
"B" North Floor	N/A	6/13/2008	In-Situ	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<15.9	<15.9	<15.9	<15.9	8.7
North Wall	N/A	6/13/2008	In-Situ	-	-	-	-	-	<15.2	<15.2	<15.2	<15.2	-
East Wall	N/A	6/13/2008	In-Situ	-	-	-	-	-	20.3	18.7	<15.1	39.0	-
South Wall	N/A	6/13/2008	In-Situ	-	-	-	-	-	<15.5	18.7	<15.5	18.7	-
West Wall	N/A	6/13/2008	In-Situ	-	-	-	-	-	<15.8	<15.8	<15.8	<15.8	-
<b>NMOCD Standard</b>				<b>10</b>				<b>50</b>				<b>1,000</b>	<b>500</b>

- = Not analyzed.





Photograph of the initial release at the Woolworth 12" Historical Release Site.



Photograph of the initial release at the Woolworth 12" Historical Release Site.





Photograph of excavation activities at the Woolworth 12" Historical Release Site.



Photograph of excavation activities at the Woolworth 12" Historical Release Site.





Photograph of excavation activities at the Woolworth 12" Historical Release Site.



Photograph of excavation activities and sample locations at the Woolworth 12" Historical Release Site.





Photograph of excavation activities and sample locations at the Woolworth 12" Historical Release Site.



Photograph of backfilling activities at the Woolworth 12" Historical Release Site.





Photograph of backfilling activities at the Woolworth 12" Historical Release Site.



Photograph of the Woolworth 12" Historical Release Site after backfilling.

# **Analytical Report 305857**

**for**

**Southern Union Gas Services-Jal**

**Project Manager: Tony Savoie**

**Woolworth 12"**

**2008**

**18-JUN-08**



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

**Texas certification numbers:**

**Houston, TX T104704215**

**Florida certification numbers:**

**Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675  
Norcross(Atlanta), GA E87429**

**South Carolina certification numbers:**

**Norcross(Atlanta), GA 98015**

**North Carolina certification numbers:**

**Norcross(Atlanta), GA 483**

**Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America  
Midland - Corpus Christi - Atlanta**





18-JUN-08

Project Manager: **Tony Savoie**  
**Southern Union Gas Services-Jal**  
610 Commerce  
Jal, NM 88252

Reference: XENCO Report No: **305857**  
**Woolworth 12"**  
Project Address:

**Tony Savoie:**

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 305857. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 305857 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

---

**Brent Barron, II**  
Odessa Laboratory Manager

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**Sample Cross Reference 305857****Southern Union Gas Services-Jal, Jal, NM**

Woolworth 12"

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
"A" North Floor	S	Jun-13-08 08:20		305857-001
"A" North Wall East Bottom	S	Jun-13-08 09:35		305857-002
Floor	S	Jun-13-08 10:10		305857-003
"B" North Floor	S	Jun-13-08 10:25		305857-004
North Wall	S	Jun-13-08 11:00		305857-005
East Wall	S	Jun-13-08 11:20		305857-006
South Wall	S	Jun-13-08 11:40		305857-007
West Wall	S	Jun-13-08 12:00		305857-008



**Certificate of Analysis Summary 305857**  
**Southern Union Gas Services-Jal, Jal, NM**  
**Project Name: Woolworth 12"**

Project Id: 2008  
Contact: Tony Savoie  
Project Location:

Date Received in Lab: Fri Jun-13-08 05:20 pm  
Report Date: 18-JUN-08  
Project Manager: Brent Barron, II

<i>Analysis Requested</i>		<i>Lab Id:</i>	<i>Field Id:</i>	<i>Depth:</i>	<i>Matrix:</i>	<i>Sampled:</i>	305857-001	305857-002	305857-003	305857-004	305857-005	305857-006
					SOIL	Jun-13-08 08:20	"A" North Floor	"A" North Wall East Bottom	Floor	"B" North Floor	North Wall	East Wall
<b>BTEX by EPA 8021B</b>												
		<i>Extracted:</i>	Jun-17-08 10:00				mg/kg	RL	Jun-13-08 09:35	SOIL	Jun-13-08 10:10	SOIL
		<i>Analyzed:</i>	Jun-17-08 12:36						Jun-17-08 10:00			Jun-13-08 11:20
		<i>Units/RL:</i>							mg/kg	RL		
Benzene			ND 0.0011				ND 0.0010		ND 0.0011			
Toluene			ND 0.0022				ND 0.0021		ND 0.0021			
Ethylbenzene			ND 0.0011				ND 0.0010		ND 0.0011			
m,p-Xylenes			ND 0.0022				ND 0.0021		ND 0.0021			
o-Xylene			ND 0.0011				ND 0.0010		ND 0.0011			
Total Xylenes			ND				ND		ND			
Total BTEX			ND				ND		ND			
<b>Inorganic Anions by EPA 300</b>												
		<i>Extracted:</i>										
		<i>Analyzed:</i>	Jun-17-08 00:20				mg/kg	RL	Jun-17-08 00:20			
		<i>Units/RL:</i>							mg/kg	RL		
Chloride			5.75 5.00				7.43 5.00		8.70 5.00			
<b>Percent Moisture</b>												
		<i>Extracted:</i>										
		<i>Analyzed:</i>	Jun-16-08 17:00				%	RL	Jun-16-08 17:00			
		<i>Units/RL:</i>							%	RL		
Percent Moisture			7.58				4.01		5.55		1.48	5.06
<b>TPH by SW8015 Mod</b>												
		<i>Extracted:</i>	Jun-14-08 10:00				mg/kg	RL	Jun-14-08 10:00			
		<i>Analyzed:</i>	Jun-16-08 15:32				mg/kg	RL	Jun-16-08 17:05			
		<i>Units/RL:</i>							mg/kg	RL		
C6-C12 Gasoline Range Hydrocarbons			ND 16.2				ND 15.6		ND 15.9		ND 15.2	20.3 15.1
C12-C28 Diesel Range Hydrocarbons			28.6 16.2				18.7 15.6		27.9 15.9		ND 15.2	18.7 15.1
C28-C35 Oil Range Hydrocarbons			ND 16.2				ND 15.6		ND 15.9		ND 15.2	ND 15.1
Total TPH			28.6				18.7		27.9		ND	39

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

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Brent Barron  
Odessa Laboratory Director



**Certificate of Analysis Summary 305857**  
**Southern Union Gas Services-Jal, Jal, NM**  
**Project Name: Woolworth 12"**

Project Id: 2008  
Contact: Tony Savoie  
Project Location:

Date Received in Lab: Fri Jun-13-08 05:20 pm  
Report Date: 18-JUN-08  
Project Manager: Brent Barron, II

<b>Analysis Requested</b>	<b>Lab Id:</b>	305857-007	305857-008		
	<b>Field Id:</b>	South Wall	West Wall		
	<b>Depth:</b>				
	<b>Matrix:</b>	SOIL	SOIL		
	<b>Sampled:</b>	Jun-13-08 11:40	Jun-13-08 12:00		
<b>Percent Moisture</b>	<b>Extracted:</b>				
	<b>Analyzed:</b>	Jun-16-08 17:00	Jun-16-08 17:00		
	<b>Units/RL:</b>	% RL	% RL		
<b>TPH by SW8015 Mod</b>		3.42	5.12		
	<b>Extracted:</b>	Jun-14-08 10:00	Jun-14-08 10:00		
	<b>Analyzed:</b>	Jun-16-08 18:34	Jun-16-08 19:04		
	<b>Units/RL:</b>	mg/kg RL	mg/kg RL		
		ND 15.5	ND 15.8		
C6-C12 Gasoline Range Hydrocarbons					
C12-C28 Diesel Range Hydrocarbons		18.7 15.5	ND 15.8		
C28-C35 Oil Range Hydrocarbons		ND 15.5	ND 15.8		
Total TPH		18.7	ND		

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Brent Barron  
Odessa 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 effect the recovery of the spike concentration. This condition could also effect 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 MQL(PQL) and above the SQL(MDL).
  - 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.
- \* Outside XENCO'S scope of NELAC Accreditation

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(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(770) 449-8800	(770) 449-5477

## Form 2 - Surrogate Recoveries

Project Name: Woolworth 12"

Work Order #: 305857

Project ID: 2008

Lab Batch #: 725730

Sample: 305857-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0358	0.0300	119	80-120	
4-Bromofluorobenzene	0.0301	0.0300	100	80-120	

Lab Batch #: 725730

Sample: 305857-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0331	0.0300	110	80-120	
4-Bromofluorobenzene	0.0356	0.0300	119	80-120	

Lab Batch #: 725730

Sample: 305857-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0359	0.0300	120	80-120	
4-Bromofluorobenzene	0.0360	0.0300	120	80-120	

Lab Batch #: 725730

Sample: 305857-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0345	0.0300	115	80-120	
4-Bromofluorobenzene	0.0320	0.0300	107	80-120	

Lab Batch #: 725730

Sample: 305857-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0337	0.0300	112	80-120	
4-Bromofluorobenzene	0.0313	0.0300	104	80-120	

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

\*\*\* Poor recoveries due to dilution

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

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

## Form 2 - Surrogate Recoveries

Project Name: Woolworth 12"

Work Order #: 305857

Project ID: 2008

Lab Batch #: 725730

Sample: 510778-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0289	0.0300	96	80-120	
4-Bromofluorobenzene	0.0328	0.0300	109	80-120	

Lab Batch #: 725730

Sample: 510778-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0337	0.0300	112	80-120	
4-Bromofluorobenzene	0.0292	0.0300	97	80-120	

Lab Batch #: 725730

Sample: 510778-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0281	0.0300	94	80-120	
4-Bromofluorobenzene	0.0338	0.0300	113	80-120	

Lab Batch #: 725627

Sample: 305857-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	84.1	100	84	70-135	
o-Terphenyl	46.9	50.0	94	70-135	

Lab Batch #: 725627

Sample: 305857-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	85.9	100	86	70-135	
o-Terphenyl	48.0	50.0	96	70-135	

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

\*\*\* Poor recoveries due to dilution

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

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



# Form 2 - Surrogate Recoveries

Project Name: Woolworth 12"

Work Order #: 305857

Project ID: 2008

Lab Batch #: 725627

Sample: 305857-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	84.8	100	85	70-135	
o-Terphenyl	47.1	50.0	94	70-135	

Lab Batch #: 725627

Sample: 305857-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	86.7	100	87	70-135	
o-Terphenyl	48.4	50.0	97	70-135	

Lab Batch #: 725627

Sample: 305857-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	80.0	100	80	70-135	
o-Terphenyl	43.6	50.0	87	70-135	

Lab Batch #: 725627

Sample: 305857-005 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	97.1	100	97	70-135	
o-Terphenyl	53.6	50.0	107	70-135	

Lab Batch #: 725627

Sample: 305857-005 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	90.8	100	91	70-135	
o-Terphenyl	49.4	50.0	99	70-135	

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

\*\*\* Poor recoveries due to dilution

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

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

## Form 2 - Surrogate Recoveries

Project Name: Woolworth 12"

Work Order #: 305857

Project ID: 2008

Lab Batch #: 725627

Sample: 305857-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	82.6	100	83	70-135	
o-Terphenyl	44.7	50.0	89	70-135	

Lab Batch #: 725627

Sample: 305857-007 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	86.8	100	87	70-135	
o-Terphenyl	47.5	50.0	95	70-135	

Lab Batch #: 725627

Sample: 305857-008 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	88.5	100	89	70-135	
o-Terphenyl	48.8	50.0	98	70-135	

Lab Batch #: 725627

Sample: 510731-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	91.6	100	92	70-135	
o-Terphenyl	55.5	50.0	111	70-135	

Lab Batch #: 725627

Sample: 510731-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	82.2	100	82	70-135	
o-Terphenyl	46.5	50.0	93	70-135	

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

\*\*\* Poor recoveries due to dilution

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

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



## Form 2 - Surrogate Recoveries

Project Name: Woolworth 12"



Work Order #: 305857

Project ID: 2008

Lab Batch #: 725627

Sample: 510731-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

### SURROGATE RECOVERY STUDY

TPH by SW8015 Mod  Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	91.4	100	91	70-135	
o-Terphenyl	54.1	50.0	108	70-135	

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

\*\*\* Poor recoveries due to dilution

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

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



## Blank Spike Recovery



Project Name: Woolworth 12"

Work Order #: 305857

Project ID:

2008

Lab Batch #: 725542

Sample: 725542-1-BKS

Matrix: Solid

Date Analyzed: 06/17/2008

Date Prepared: 06/17/2008

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

### BLANK /BLANK SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	10.0	11.3	113	75-125	

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

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



## Project Name: Woolworth 12"

Work Order #: 305857

Analyst: SHE

Lab Batch ID: 725730

Sample: 510778-1-BKS

Date Prepared: 06/17/2008

Batch #: 1

Project ID: 2008

Date Analyzed: 06/17/2008

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY												
Units: mg/kg												
BTEX by EPA 8021B		Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes												
Benzene		ND	0.1000	0.0956	96	0.1	0.0924	92	3	70-130	35	
Toluene		ND	0.1000	0.0999	100	0.1	0.0964	96	4	70-130	35	
Ethylbenzene		ND	0.1000	0.1153	115	0.1	0.1112	111	4	71-129	35	
m,p-Xylenes		ND	0.2000	0.2365	118	0.2	0.2281	114	4	70-135	35	
o-Xylene		ND	0.1000	0.1182	118	0.1	0.1141	114	4	71-133	35	

Analyst: ASA

Lab Batch ID: 725627

Sample: 510731-1-BKS

Date Prepared: 06/14/2008

Batch #: 1

Date Analyzed: 06/14/2008

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY												
Units: mg/kg												
Analytes	TPH by SW8015 Mod											
	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag	
C6-C12 Gasoline Range Hydrocarbons	ND	1000	911	91	1000	906	91	1	70-135	35		
C12-C28 Diesel Range Hydrocarbons	ND	1000	904	90	1000	896	90	1	70-135	35		

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

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

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

All results are based on MDL and Validated for QC Purposes





## Form 3 - MS Recoveries



Project Name: Woolworth 12"

rk Order #: 305857

Lab Batch #: 725542

Date Analyzed: 06/17/2008

QC- Sample ID: 305836-001 S

Date Prepared: 06/17/2008

Project ID: 2008

Analyst: LATCOR

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

### MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300  Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	71800	17000	98200	155	75-125	X

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

Work Order #: 305857

Lab Batch ID: 725730

Date Analyzed: 06/17/2008

Reporting Units: mg/kg

Project ID: 2008

QC- Sample ID: 305857-001 S

Batch #: 1 Matrix: Soil

Date Prepared: 06/17/2008

Analyst: SHE

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	ND	0.1082	0.0896	83	0.1082	0.0883	82	1	70-130	35
	Toluene	ND	0.1082	0.0923	85	0.1082	0.0886	82	4	70-130	35
	Ethylbenzene	ND	0.1082	0.1032	95	0.1082	0.0987	91	4	71-129	35
	m,p-Xylenes	ND	0.2164	0.2138	99	0.2164	0.2081	96	3	70-135	35
	o-Xylene	ND	0.1082	0.1080	100	0.1082	0.1051	97	3	71-133	35

Lab Batch ID: 725627

Date Analyzed: 06/16/2008

Reporting Units: mg/kg

QC- Sample ID: 305857-005 S

Batch #: 1 Matrix: Soil

Date Prepared: 06/14/2008

Analyst: ASA

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY												
Reporting Units: mg/kg	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	ND	1020	936	92	1020	918	90	2	70-135	35	
	C12-C28 Diesel Range Hydrocarbons	ND	1020	984	96	1020	965	95	1	70-135	35	

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

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

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



## Sample Duplicate Recovery



Project Name: Woolworth 12"

Work Order #: 305857

Lab Batch #: 725542

Date Analyzed: 06/17/2008

QC- Sample ID: 305836-001 D

Reporting Units: mg/kg

Project ID: 2008

Analyst: LATCOR

Date Prepared: 06/17/2008

Batch #: 1

Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Inorganic Anions by EPA 300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	71800	70500	2	20	

Lab Batch #: 725568

Date Analyzed: 06/16/2008

QC- Sample ID: 305903-001 D

Reporting Units: %

Date Prepared: 06/16/2008

Analyst: JLG

Batch #: 1

Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	1.46	1.46	0	20	

Spike Relative Difference RPD  $200 * |(B-A)/(B+A)|$   
All Results are based on MDL and validated for QC purposes.





**Environmental Lab of Texas**  
Variance/ Corrective Action Report- Sample Log-In

Client: SUGS  
Date/ Time: 06-13-08 @ 1720  
Lab ID #: 305857  
Initials: JME

**Sample Receipt Checklist**

				Client Initials
#1 Temperature of container/ cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<u>0.0 not frozen</u>	C
#2 Shipping container in good condition?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#3 Custody Seals intact on shipping container/ cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Present	
#4 Custody Seals intact on sample bottles/ container?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Present	
#5 Chain of Custody present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#6 Sample instructions complete of Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#7 Chain of Custody signed when relinquished/ received?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#8 Chain of Custody agrees with sample label(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	ID written on Cont./ Lid	
#9 Container label(s) legible and intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#11 Containers supplied by ELOT?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#12 Samples in proper container/ bottle?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below	
#13 Samples properly preserved?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below	
#14 Sample bottles intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#15 Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#16 Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#17 Sufficient sample amount for indicated test(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below	
#18 All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below	
#19 Subcontract of sample(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable	
#20 VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable	

**Variance Documentation**

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

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

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

- Check all that Apply:
- ☐ See attached e-mail/ fax
  - ☐ Client understands and would like to proceed with analysis
  - ☐ Cooling process had begun shortly after sampling event

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12"

Unit ltr: 1

Section: 28

Township/~~Block~~ 24S

Range/~~Survey~~ 37E

County, State Lea, N.M.

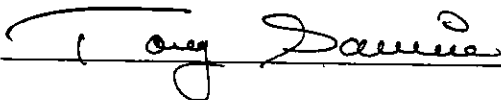
Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the \_\_\_\_\_ cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico

Placed in Cell # 4

Date: \_\_\_\_\_

Signature: 

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12<sup>u</sup>

Unit ltr: 1

Section: 28

Township/~~Block~~ 24S

Range/~~Survey~~ 37E

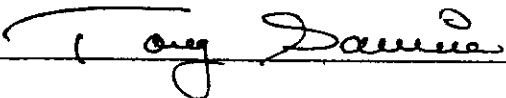
County, State Lea, N. M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the \_\_\_\_\_ cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: \_\_\_\_\_

Signature: 

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12<sup>u</sup>

Unit ltr: 1

Section: 28

Township/~~Block~~ 24S

Range/~~Survey~~ 37E

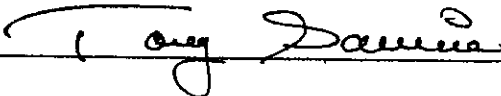
County, State Lea, N. M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the \_\_\_\_\_ cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: \_\_\_\_\_

Signature: 



## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12<sup>u</sup>

Unit ltr: 1

Section: 28

Township/Block 245

Range/Survey 37 E

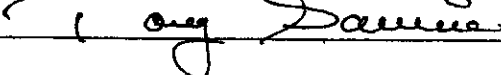
County, State Lea, N. M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the \_\_\_\_\_ cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 14

Date: \_\_\_\_\_

Signature: 

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12"

Unit ltr: 1

Section: 28

Township/Block 24S

Range/Survey 37E

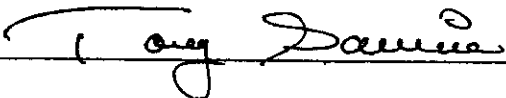
County, State Lea, N. M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the \_\_\_\_\_ cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 14

Date: \_\_\_\_\_

Signature: 

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12<sup>u</sup>

Unit ltr: 1

Section: 28

Township/Block 245

Range/Survey 37 E

County, State Lea, N. M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the \_\_\_\_\_ cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: \_\_\_\_\_

Signature: Tony Danner

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12<sup>u</sup>

Unit ltr: 1

Section: 28

Township/~~Block~~ 24S

Range/~~Survey~~ 37E

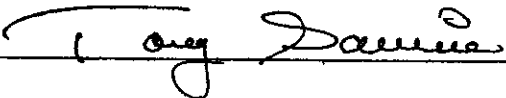
County, State Lea, N. M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the \_\_\_\_\_ cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 14

Date: \_\_\_\_\_

Signature: 



## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12"

Unit ltr: 1

Section: 28

Township/~~Block~~ 24S

Range/~~Survey~~ 37E

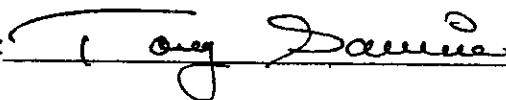
County, State Lea, N.M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the \_\_\_\_\_ cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: \_\_\_\_\_

Signature: 

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12"

Unit ltr: 1

Section: 28

Township/Block 245

Range/Survey 37 E

County, State Lea, N. M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the \_\_\_\_\_ cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: \_\_\_\_\_

Signature: Tony Danna

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12<sup>u</sup>

Unit ltr: 1

Section: 28

Township/~~Block~~ 245

Range/~~Survey~~ 37 E

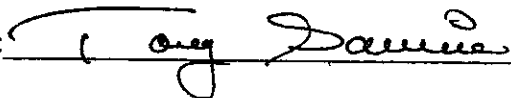
County, State Lea, N.M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the \_\_\_\_\_ cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: \_\_\_\_\_

Signature: 

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12"

Unit ltr: 1

Section: 28

Township/Block 245

Range/Survey 37 E

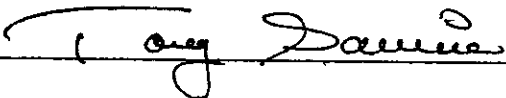
County, State Lea, N.M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the \_\_\_\_\_ cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 14

Date: \_\_\_\_\_

Signature: 



## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12"

Unit ltr: 1

Section: 28

Township/~~Block~~ 24S

Range/~~Survey~~ 37E

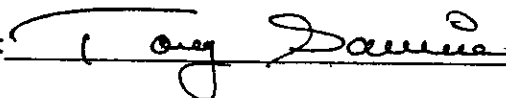
County, State Lea, N. M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the \_\_\_\_\_ cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: \_\_\_\_\_

Signature: 

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12"

Unit ltr: 1

Section: 28

Township/~~Block~~ 24S

Range/~~Survey~~ 37E

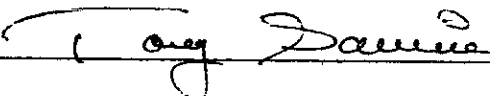
County, State Lea, N. M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the \_\_\_\_\_ cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: \_\_\_\_\_

Signature: 

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12<sup>u</sup>  
Unit ltr: 1  
Section: 28  
Township/~~Block~~ 24S  
Range/~~Survey~~ 37E  
County, State Lea, N. M.  
Latitude- N 32° 11.137  
Longitude- W 103° 09.778

I hereby certify the 60 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 6-19-08

Signature: [Signature]

✓✓✓✓✓

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12<sup>u</sup>

Unit ltr: 1

Section: 28

Township/~~Block~~ 24S

Range/~~Survey~~ 37E

County, State Lea, N.M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the 60 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 6/19/08

Signature: [Signature]

C IN

D IN

Triple M Trucking  
[Signature]

1



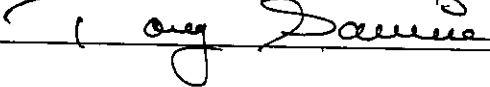
## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12<sup>u</sup>  
Unit ltr: 1  
Section: 28  
Township/~~Block~~ 245  
Range/~~Survey~~ 37 E  
County, State Lea, N.M.  
Latitude- N 32° 11.137  
Longitude- W 103° 09.778

I hereby certify the 48 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # H

Date: 6-19-08

Signature: 

6-19-08

C.xxxxxxx

Dxxxxxx

C&A-martinez

Rubra Cirilo

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12<sup>u</sup>  
Unit ltr: 1  
Section: 28  
Township/Block 24S  
Range/Survey 37E  
County, State Lea, N. M.  
Latitude- N 32° 11.137  
Longitude- W 103° 09.778

I hereby certify the 48 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 6/19/08

Signature: Cory Danner

CXXXX

DXXXX

# CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12"

Unit ltr: 1

Section: 28

Township/~~Block~~ 24S

Range/~~Survey~~ 37 E

County, State Lea, N. M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the 60 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico

Placed in Cell # 4

Date: 6-19-2008

Signature: [Signature]

~~[Signature]~~ C11111  
~~[Signature]~~ D11111

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12<sup>u</sup>

Unit ltr: 1

Section: 28

Township/~~Block~~ 24S

Range/~~Survey~~ 37E

County, State Lea, N. M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the 60 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 6-19-08

Signature: [Signature]

~~11111~~ 11111



# CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12<sup>u</sup>  
Unit ltr: 1  
Section: 28  
Township/Block 245  
Range/Survey 37E  
County, State Lea, N. M.  
Latitude- N 32° 11.137  
Longitude- W 103° 09.778

I hereby certify the 48 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 6/20/08

Signature: Craig Danner

C x x x x

D x x x x

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12"  
Unit ltr: 1  
Section: 28  
Township/~~Block~~ 24S  
Range/~~Survey~~ 37E  
County, State Lea, N. M.  
Latitude- N 32° 11.137  
Longitude- W 103° 09.778

I hereby certify the 48 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 6-20-08

Signature: [Signature]

✓✓✓✓

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12"

Unit ltr: 1

Section: 28

Township/Block 24S

Range/Survey 37E

County, State Lea, N. M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the 48 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico

Placed in Cell # 4

Date: 6-20-08

Signature: [Signature]

XXXX

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12<sup>u</sup>  
Unit ltr: 1  
Section: 28  
Township/~~Block~~ 24S  
Range/~~Survey~~ 37E  
County, State Lea, N.M.  
Latitude- N 32° 11.137  
Longitude- W 103° 09.778

I hereby certify the 48 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 6/20/08

Signature: *Greg Danner*

C IIII

D IIII

*Triple m Trucking*  
*Alto Gomez*



# CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12<sup>th</sup>

Unit ltr: 1

Section: 28

Township/~~Block~~ 24S

Range/~~Survey~~ 37 E

County, State Lea, N. M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the 48 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico

Placed in Cell # 4

Date: 6-20-28

Signature: Cory Danner

C IIII

D IIII

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12<sup>u</sup>  
Unit ltr: 1  
Section: 28  
Township/~~Block~~ 24S  
Range/~~Survey~~ 37 E  
County, State Lea, N. M.  
Latitude- N 32° 11.137  
Longitude- W 103° 09.778

I hereby certify the 46 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 6-20-08

Signature: [Signature]

C-XXXX  
D-XXXX

CIA Martinez trucking

Ruben Cirilo

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12<sup>u</sup>

Unit ltr: 1

Section: 28

Township/Block 24S

Range/Survey 37E

County, State Lea, N.M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the 60 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 6-23-08

Signature: [Signature]

CH11111

CH11111

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12"  
Unit ltr: 1  
Section: 28  
Township/~~Block~~ 24S  
Range/~~Survey~~ 37 E  
County, State Lea, N. M.  
Latitude- N 32° 11.137  
Longitude- W 103° 09.778

I hereby certify the 60 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 6-23-08

Signature: Cory Danner

loads - ✓✓✓✓✓

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12<sup>u</sup>  
Unit ltr: 1  
Section: 28  
Township/Block 24S  
Range/Survey 37E  
County, State Lea, N.M.  
Latitude- N 32° 11.137  
Longitude- W 103° 09.778

I hereby certify the 60 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 6-23-08

Signature: Greg Danner

XXXXX



## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12<sup>u</sup>  
Unit ltr: 1  
Section: 28  
Township/~~Block~~ 24S  
Range/~~Survey~~ 37E  
County, State Lea, N. M.  
Latitude- N 32° 11.137  
Longitude- W 103° 09.778

I hereby certify the 60 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 06/23/08

Signature: *Greg Danner*

CXXXXXX

DXXXXXX

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12"  
Unit ltr: 1  
Section: 28  
Township/Block 24S  
Range/Survey 37E  
County, State Lea, N. M.  
Latitude- N 32° 11.137  
Longitude- W 103° 09.778

I hereby certify the 60 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 6/23/08

Signature: Greg Zamora

Triple m TRUCKING  
Greg Zamora

6/23/08

CLEAN NH 1

Dirty NH

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12"  
Unit ltr: 1  
Section: 28  
Township/Block 24S  
Range/Survey 37E  
County, State Lea, N.M.  
Latitude- N 32° 11.137  
Longitude- W 103° 09.778

I hereby certify the 60 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 6/23/08

Signature: [Signature]

C°XXXXXX

D°XXXXXX

CLA Martinez trucking

Ruben Cirilo

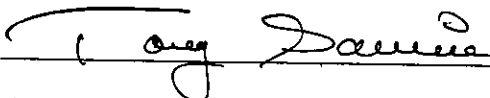
## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12"  
Unit ltr: 1  
Section: 28  
Township/~~Block~~ 24S  
Range/~~Survey~~ 37E  
County, State Lea, N.M.  
Latitude- N 32° 11.137  
Longitude- W 103° 09.778

I hereby certify the 72 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 06/24/08

Signature: 

Tony Danner T.R.T.  
✓✓✓✓✓

# CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12"

Unit ltr: 1

Section: 28

Township/~~Block~~ 24S

Range/~~Survey~~ 37E

County, State Lea, N. M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the 72 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 06/24/08

Signature: [Signature]

C + A Martinez #5-

C:XXXXXX

D:XXXXXX

Ruben Cirilo



## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12"

Unit ltr: 1

Section: 28

Township/~~Block~~ 24S

Range/~~Survey~~ 37E

County, State Lea, N. M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the 72 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 06/24/08

Signature: *Tony Zamora*

*Triple M*

*Alas Zamora*

*6/24/08*

*CLEAN NH*

*Dirty NH*

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12"

Unit ltr: 1

Section: 28

Township/~~Block~~ 24S

Range/~~Survey~~ 37E

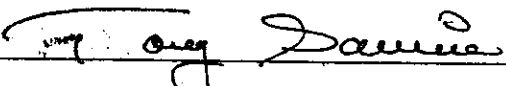
County, State Lea, N. M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the 72 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 06/24/08

Signature:   
HERNANDEZ #1

D IIIII  
C IIIII

# CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12"

Unit ltr: 1

Section: 28

Township/Block 24S

Range/Survey 37E

County, State Lea, N.M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the 72 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 06/24/08

Signature: [Signature]

GNH 04

XXXXXX

# CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12"

Unit ltr: 1

Section: 28

Township/Block 24S

Range/Survey 37E

County, State Lea, N. M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the 72 cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 06/24/08

Signature: [Signature]

0 + A Martinez #4

D xxxxxx

C xxxxx

## CERTIFICATE OF WASTE STATUS

The following waste was generated from an RCRA exempt natural gas pipeline located at:

Site # 2008-017 Woolworth 12"

Unit ltr: 1

Section: 28

Township/Block 24S

Range/Survey 37E

County, State Lea, N.M.

Latitude- N 32° 11.137

Longitude- W 103° 09.778

I hereby certify the \_\_\_\_\_ cubic yards was generated by an exempt status pipeline and transferred to the Southern Union Gas Services, Ltd. Landfarm facility located in Section 36, Township 23 S, Range 36 E, Lea County New Mexico  
Placed in Cell # 4

Date: 06/25/08

Signature: Tony Danna

Taurus - ✓✓✓



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	Tony Savoie
Address	P.O. Box 1226 Jal, N.M. 88252	Telephone No.	575-395-2116
Facility Name	Lea County Field Dept.	Facility Type	Natural Gas Gathering

Surface Owner: Woolworth "Jal Library"	Mineral Owner: Fee	Lease No. 30-025-23258
--	--------------------	------------------------

LOCATION OF RELEASE

Unit Letter I	Section 28	Township 24S	Range 37E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	---------------

Latitude N32 11.137 Longitude W103 09.778

NATURE OF RELEASE

Type of Release : Natural Gas and crude oil	Volume of Release: 17 mcf natural gas and 12 Bbls crude oil	Volume Recovered / None
Source of Release : 12" Natural Gas Pipeline	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 3/1/08 Time: 8:00 a.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	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 12" Natural gas pipeline operating at approximately 15 p.s.i. developed a leak, a repair crew excavated the leak area and installed a temporary repair clamp on 3/1/08. The line was permanently repaired on 3/20/08 by inserting approximately 500 ft. of 8" poly-pipe inside the existing 12" steel line

Describe Area Affected and Cleanup Action Taken. The leak site was discovered by Tony Savoie on 6/4/08 an ESA was performed and a remediation plan was prepared. Approximately 1580 Sq. ft. of pasture was affected by the release and repair activities. All remediation activities will follow the NMOCD guidelines.

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

Signature: <i>Tony Savoie</i>		OIL CONSERVATION DIVISION	
Printed Name: John A. Savoie		Approved by District Supervisor: <i>John A. Johnson</i>	
Title: Remediation Supervisor		ENVIRONMENTAL ENGINEER	
E-mail Address: tony.savoie@sug.com		Approval Date: 6.8.08	Expiration Date: 8.8.08
Date: 6/4/08 Phone: 575-395-2116		Conditions of Approval: <i>Completed &amp; Sent</i>	Attached <input type="checkbox"/> <i>1 RP # 1875</i>

\* Attach Additional Sheets If Necessary

FCOHO816 237878

RECEIVED

JUN 06 2008

HOBBS OCD

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 D. Callaway
Address	801 S. Loop 464, Monahans, TX, 79756	Telephone No.	(817) 302-9407
Facility Name: Woolworth 12" (RP-1875) Lea County Field Dept.		Facility	Natural Gas Gathering
Surface Owner	Woolworth "Jal Library"	Mineral Owner: Fee	Lease No. 30-025-23258

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	28	24S	37E					Lea

**Latitude N32 11.137**

**Longitude W103 09.778**

**NATURE OF RELEASE**

Type of Release	Natural Gas and crude oil	Volume of Release	17 mcf natural gas and 12 bbls crude oil	Volume Recovered	NONE
Source of Release	12" Natural Gas Pipeline	Date and Hour of Occurrence	Unknown	Date and Hour of Discovery	3/1/08 Time: 8:00 a.m.
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?		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:

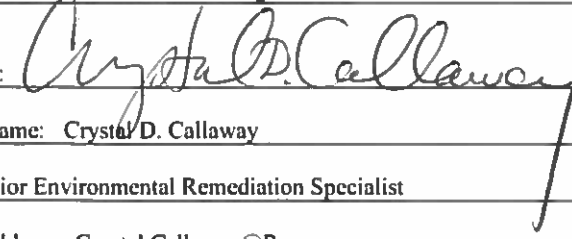
A 12" Natural gas pipeline operating at approximately 15 p.s.i. developed a leak, a repair crew excavated the leak area and installed a temporary repair clamp on 3/1/08. The line was permanently repaired on 3/20/08 by inserting approximately 500 ft. of 8" poly-pipe inside the existing 12" steel line.

Describe Area Affected and Cleanup Action Taken. The leak site was discovered by Tony Savoie on 6/4/08 an ESA was performed and a remediation plan was prepared. Approximately 1,580 Sq. ft. of pasture was affected by the release and repair activities. All remediation activities will follow the NMOCD guidelines.

Between June 10, and June 25, 2010, Basin Environmental remediated the Woolworth 12" Release Site. Confirmation soil samples were collected from the excavation floor and sidewalls prior to backfilling. Beginning June 19, 2008, the excavation was backfilled with treated material from SUG's Landfarm.

Please see the attached Basin Environmental Services Technologies Remediation Summary and Site Closure Request for details of remedial activities and laboratory analytical results from confirmation soil sampling.

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 D. Callaway	Approved by District Supervisor:	
Title: Senior Environmental Remediation Specialist	Approval Date:	Expiration Date:
E-mail Address: Crystal.Callaway@Regencygas.com	Conditions of Approval:	
Date: 10/08/2014	Phone: (817) 302-9407	