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	Rose Slade
Address	801 S. Loop 464, Monahans, TX, 79756	Telephone No.	432-940-5147
Facility Name: L-5 (8" Line) (RP-2334) Lea County Field Dept.		Facility Type L-5 8"	Natural Gas Gathering

Surface Owner State of New Mexico	Mineral Owner: State of New Mexico	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	21	21S	37E					Lea

Latitude N32 27.436 Longitude W103 09.935

NATURE OF RELEASE

Type of Release Crude Oil, Produced water and Natural Gas	Volume of Release 5bbls	Volume Recovered NONE
Source of Release 8" Natural Gas Pipeline	Date and Hour of Occurrence Not known	Date and Hour of Discovery 10/14/09 12:15 p.m.
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Geoff Leking	
By Whom? Rose Slade	Date and Hour: 10/14/09 2:50 p.m.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken:
The 8" Natural gas pipeline developed a leak operating at approximately 7-8 psi on the pipeline. The line was clamped and has since been replaced.

Describe Area Affected and Cleanup Action Taken. Approximately 30x30 sq. ft. of pasture land was affected by the leak and temporary repair.

Remediation activities were conducted in accordance with the NMOCD's Guidelines on Spills, Leaks and Releases.

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: Rose L Slade	OIL CONSERVATION DIVISION
Printed Name: Rose L. Slade	Approved by District Supervisor:
Title: EHS Compliance Specialist	Approval Date: Expiration Date: Geoffrey Leking Environmental Specialist
E-mail Address: rose.slade@sug.com	Conditions of Approval: IRP-09-11-2334 10/18/12
Date: 10-18-12 Phone: 432-940-5147(cell)	

RECEIVED
NOV 05 2009
HOBBSOCD

RECEIVED
NOV 05 2009
HOBBSOCD

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
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Oil Conservation Division
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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	Rose Slade
Address	P.O. Box 1226 Jal, N.M. 88252	Telephone No.	432-940-5147
Facility Name	Lea County Field Dept.	Facility Type L-5 8"	Natural Gas Gathering

Surface Owner: Millard Deck Estates	Mineral Owner:	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	21	21S	37E					Lea

Latitude N32 27.436 Longitude W103 09.935

NATURE OF RELEASE

Type of Release : Crude Oil, Produced water and Natural Gas	Volume of Release: 5bbls.	Volume Recovered NONE
Source of Release : 8" Natural Gas Pipeline	Date and Hour of Occurrence not known	Date and Hour of Discovery 10/14/09 12:15 p.m.
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Jeff Lecking	
By Whom? Rose Slade	Date and Hour: 10/14/09 at 2:50 p.m.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

WATER @ 51'

Describe Cause of Problem and Remedial Action Taken.*
The 8" Natural gas pipeline developed a leak operating at approximately 7-8 psi on the pipeline. The line was clamped and will be replaced at a later time.

Describe Area Affected and Cleanup Action Taken. Approximately 30x30 sq.ft. of pasture land was affected by the leak and temporary repair was done on the pipeline with replacement of pipeline to be done at a later date. Remediation started on 10/30/09 completed deleniation on 11/3/09 and will sample per OCD guidelines. Final remediation will follow the NMOCD recommended guidelines for leaks and spills.

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: Rose L. Slade

Printed Name: Rose L. Slade

Title: EHS Compliance Specialist

E-mail Address: rose.slade@sug.com

Date: 10/21/09 Phone: 432-940-5147 (cell)

OIL CONSERVATION DIVISION

Approved by ~~District Supervisor~~ ENV. ENGINEER: Geoffrey Leking

Approval Date: 10/26/09 Expiration Date: 12/28/09

Conditions of Approval: DELINEATE TO CLEAN +1. SUBMIT FINAL C-141

Attached ☐

IRP-09-11-2334

* Attach Additional Sheets If Necessary

fGRL0931037520

Basin Environmental Service Technologies, LLC

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

Effective Solutions

REMEDIATION SUMMARY &

SITE CLOSURE REQUEST

SOUTHERN UNION GAS SERVICES
L-5 (8" Line) (1RP-2334)
HISTORICAL RELEASE SITE
Lea County, New Mexico
Unit Letter "O" (SW/SE), Section 21, Township 21 South, Range 37 East
Latitude 32° 27.436' North, Longitude 103° 09.935' West
NMOCD Reference # 1RP-2334

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

October 2012

Joel W. Lowry
Project Manager

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

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 L-5 (8' Line) Historical Release Site (1RP-2334). The legal description of the release site is Unit Letter "O" (SW/SE), Section 21, Township 21 South, Range 37 East, in Lea County, New Mexico. The geographic coordinates of the release site are 32° 27.436' North latitude and 103° 09.935' West longitude. The property affected by the release is owned by the Millard Deck Estate. Please reference Figure 1 for a "Site Location Map".

On October 14, 2009, Southern Union discovered a release had occurred on the L-5 Pipeline. The Release Notification and Corrective Action Form (Form C-141) indicated failure of a section of an eight-inch (8") low-pressure pipeline resulted in the release of approximately five barrels (5 bbls) of a crude oil, produced water and natural gas mixture. The release was reported to the New Mexico Oil Conservation Division (NMOCD) Hobbs District Office on October 15, 2009. The C-141 indicated the release affected approximately nine hundred square feet (900 ft^2) of pasture land. General photographs of the release site are provided as Appendix A. The Form C-141 is provided as Appendix C.

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 21, Township 21 South, Range 36 East. An NMOCD representative indicated the depth to groundwater is approximately fifty-one feet (51') below ground surface (bgs) on the initial C-141. Based on the NMOCD ranking system and presence of impacted medium existing below two feet (2') bgs, twenty (20) 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 L-5 (8" Line) Historical Release Site has an initial ranking score of twenty (20) points. The soil remediation levels for a site with a ranking score of twenty (20) points are as follows:

- Benzene – 10 mg/Kg (ppm)
- Benzene, toluene, ethylbenzene and xylene (BTEX) – 50 mg/Kg (ppm)
- Total petroleum hydrocarbons (TPH) – 100 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 October 30, 2009, Basin began remediation activities at the L-5 (8" Line) Historical Release Site. Visually impacted material was excavated and stockpiled on location, pending final disposition. The excavation was advanced until photo-ionization detector (PID) readings and chloride field test results suggested soil containing concentrations of BTEX, TPH and chloride above NMOCD regulatory standards had been removed.

On November 19, 2009, seventeen (17) confirmation soil samples (West SW @ 11.5', South SW @ 11.5' North SW @ 11.5' East SW @ 11.5' RP Floor @ 12', SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7, SP-8, SP-9, SP-10, SP-11, and SP-12) were collected from the floor and sidewalls of the excavation. Collected soil samples were submitted to Cardinal Laboratories of Hobbs, New Mexico for analysis of BTEX, TPH and chloride concentrations in accordance with EPA Methods SW 846-8021b, SW 846-8015M and SM 4500 Cl-B, respectively. Laboratory analytical results indicated benzene concentrations were less than the laboratory method detection limit (MDL) of 0.050 mg/Kg for each of the submitted soil samples. Analytical results indicated BTEX concentrations were less than the laboratory MDL for each of the submitted soil samples with the exception of soil sample SP-7, which exhibited a concentration of 0.468 mg/Kg. TPH concentrations ranged from less than the laboratory MDL for soil samples West SW @ 11.5', South SW @ 11.5' and SP-12 to 267 mg/Kg for soil sample SP-7. Chloride concentrations ranged from less than the laboratory MDL of 16.0 mg/Kg for soil samples North SW @ 11.5', East SW @ 11.5', SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-8, SP-9, SP-10, SP-11 and SP-12 to 112 mg/Kg for soil sample RP Floor @ 12'. Concentrations of BTEX, TPH and chloride were less than NMOCD regulatory remediation action levels in each of the submitted soil samples, with the exception of soil sample SP-7, which exhibited a TPH concentration of 267 mg/Kg. The excavation was advanced in the area represented by soil sample SP-7.

A five-point composite soil sample (Stockpile Baseline) was collected from the stockpiled material and submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated the BTEX concentration was 1.445 mg/KG, the TPH concentration was 1,157 mg/Kg and the chloride concentration was less than the laboratory MDL.

On January 12, 2010, upon advancing the excavation in the area represented by soil sample SP-7, an additional confirmation soil sample (SP-7A) was collected and submitted to the laboratory for analysis. Analytical results indicated BTEX, TPH and chloride concentrations were less than the appropriate laboratory MDL.

Two (2) additional five-point composite soil samples (Stockpile East and Stockpile West) were collected from the stockpiled material and submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX concentrations were less than the laboratory MDL for both samples. The TPH concentration was 937.9 mg/Kg for soil sample Stockpile East and 699.6 mg/Kg for soil sample Stockpile West. Chloride concentrations were less than the laboratory MDL for soil sample Stockpile East and 32.0 mg/Kg for soil sample Stockpile West.

On September 14, 2012, Basin revisited the L-5 (8" Line) Historical Release Site. One (1) five-point composite soil sample (Stockpile) was collected from the stockpiled material and submitted

to Xenco Laboratories, of Odessa, Texas, for analysis of BTEX, TPH and chloride concentrations in accordance with EPA Methods SW 846-8021b, SW 846-8015M and 300.0, respectively. Laboratory analytical results indicated the benzene and BTEX concentration were less than the appropriate laboratory MDL, the TPH concentration was 233 mg/Kg and the chloride concentration was 22.4 mg/Kg. The stockpiled material was blended on-site in an effort to facilitate aeration and bioremediation.

On September 25, 2012, one (1) five-point composite soil sample (Stockpile #2) was collected from the stockpiled material and submitted to the laboratory for analysis of TPH concentrations. Laboratory analytical results indicated the TPH concentration of the blended stockpile material was 72.0 mg/Kg. Based on these laboratory analytical results, the stockpiled soil was deemed suitable for use as backfill.

On October 8, 2012, on receiving approval from an NMOCD representative, the excavation was backfilled with the on-site stockpile material. Excavation backfill was compacted in twelve-inch (12") lifts and contoured to fit the surrounding topography. Prior to backfilling, the final dimensions of the excavation were approximately four hundred feet (400') in length, eight feet (8') to thirty feet (30') in width, and ranged in depth from approximately two feet (2') to twelve feet (12') bgs.

The site will be reseeded at the request of the landowner.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

Soil samples were delivered to Cardinal Laboratories of Hobbs, New Mexico, and/or 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 SM 4500-Cl B and/of 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 excavation floor and sidewalls indicated benzene, BTEX, TPH and chloride concentrations were less than NMOCD regulatory standards in each of the submitted soil samples. 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 L-5 (8" Line) 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.

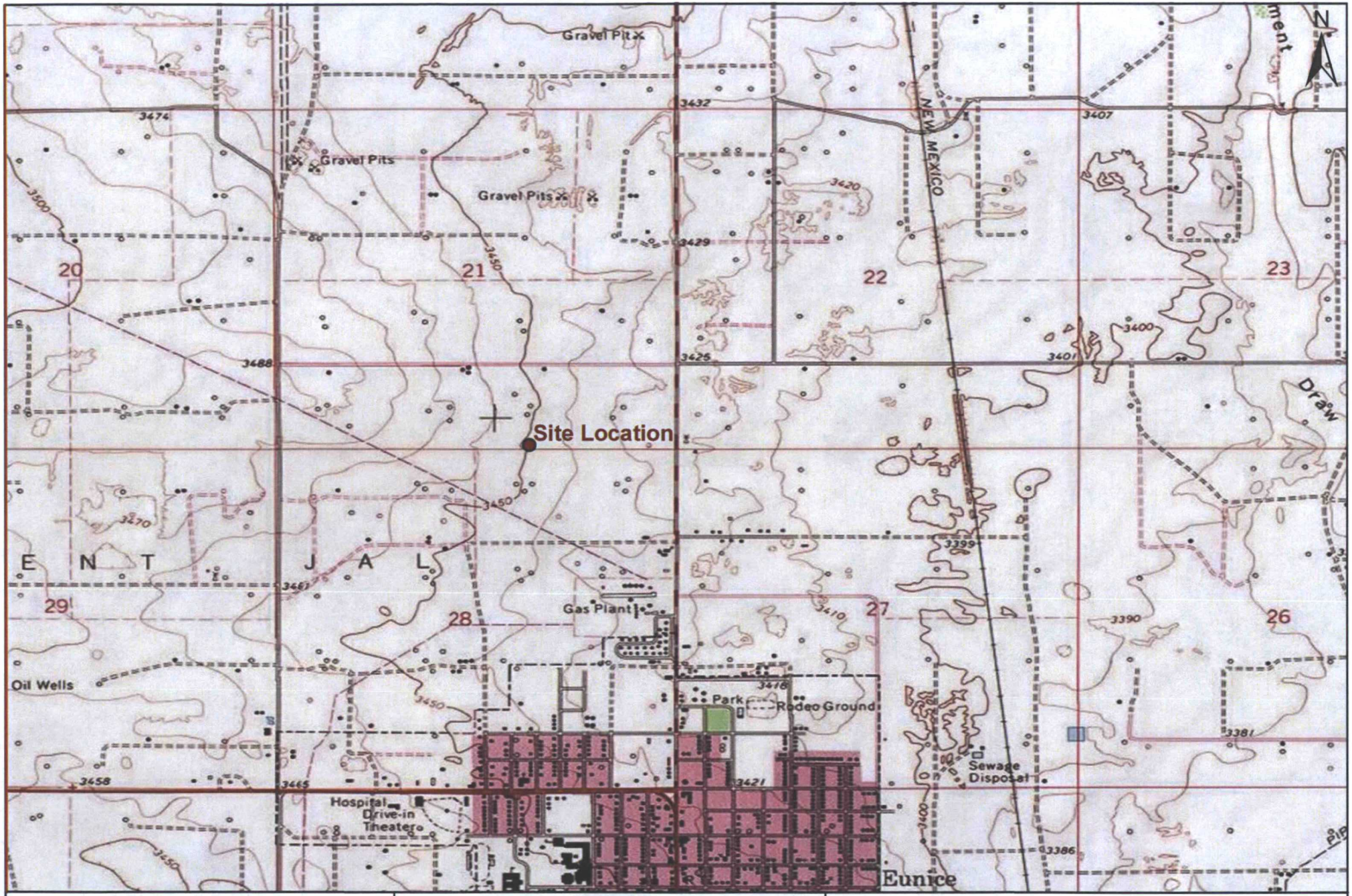
This report has been prepared for the benefit of Southern Union Gas Services. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Basin Environmental Service Technologies, LLC, and/or Southern Union Gas Services.

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



1,000500 0 1,000 2,000

Distance in Feet

Figure 1
Site Location Map
Southern Union Gas Services
L-5 (8" Line)
Lea County, New Mexico
NMOCD Reference #: 1RP-2334

Basin Environmental Service Technologies
Effective Solutions

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

Drawn By: BJA	Checked By: JWL
September 26, 2012	Scale: 1" = 2000'

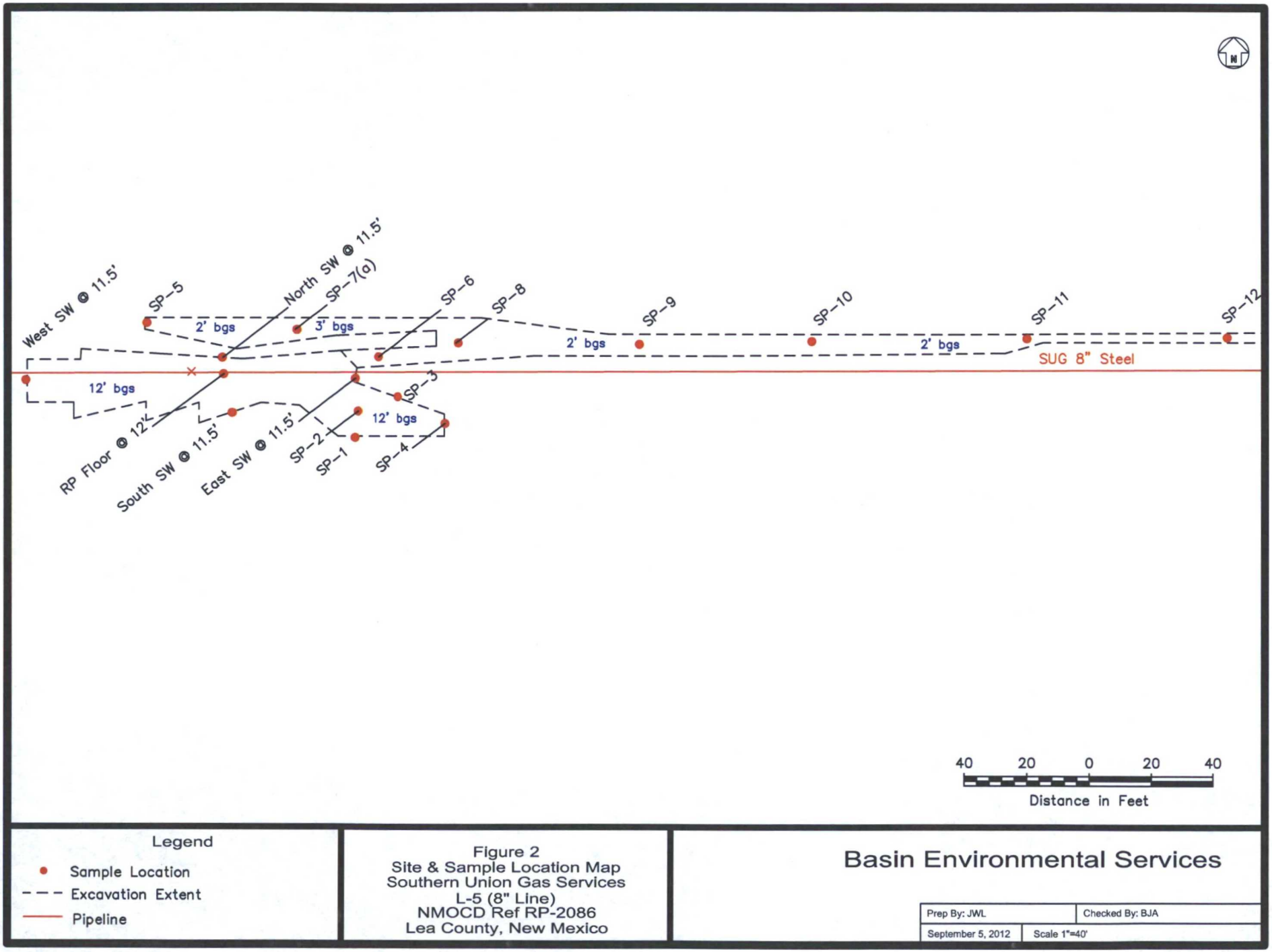

N
West SW @ 11.5'
SP-5
North SW @ 11.5'
SP-7(a)
SP-6
SP-8
SP-9
SP-10
SP-11
SP-12
2' bgs
3' bgs
2' bgs
2' bgs
SUG 8" Steel
12' bgs
RP Floor @ 12'
South SW @ 11.5'
East SW @ 11.5'
SP-2
SP-1
SP-3
SP-4
12' bgs
40 20 0 20 40
Distance in Feet
Legend
Sample Location
Excavation Extent
Pipeline
Figure 2
Site & Sample Location Map
Southern Union Gas Services
L-5 (8" Line)
NMOCD Ref RP-2086
Lea County, New Mexico
Basin Environmental Services
Prep By: JWL
Checked By: BJA
September 5, 2012
Scale 1"=40'

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES
L-5 (8" LINE)
LEA COUNTY, NEW MEXICO
NMOCD REF# 1RP-2334

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M			TOTAL TPH C_6-C_{35} (mg/Kg)	SM 4500-CL B
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C_6-C_{12} (mg/Kg)	DRO C_{12}-C_{28} (mg/Kg)	ORO C_{28}-C_{35} (mg/Kg)		CHLORIDE (mg/Kg)
West SW @ 11.5'	11.5'	11/19/2009	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	<10.0	64
South SW @ 11.5'	11.5'	11/19/2009	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	<10.0	96
North SW @ 11.5'	11.5'	11/19/2009	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	28.4	<10.0	28.4	<16
East SW @ 11.5'	11.5'	11/19/2009	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	93.2	<10.0	93.2	<16
RP Floor @ 12'	12'	11/19/2009	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	25.2	<10.0	25.2	112
SP-1	11.5'	11/19/2009	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	24.2	<10.0	24.2	<16
SP-2	12'	11/19/2009	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	36.5	<10.0	36.5	<16
SP-3	2'	11/19/2009	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	37.4	<10.0	37.4	<16
SP-4	11.5'	11/19/2009	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	32.2	<10.0	32.2	<16
SP-5	2'	11/19/2009	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	15.8	<10.0	15.8	<16
SP-6	2'	11/19/2009	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	16.2	<10.0	16.2	<16
SP-7	2'	11/19/2009	Excavated	<0.050	<0.050	0.090	0.378	0.468	<10.0	267.0	<10.0	267.0	64
SP-8	2'	11/19/2009	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	17.2	<10.0	17.2	<16
SP-9	2'	11/19/2009	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	33.7	<10.0	33.7	<16
SP-10	2'	11/19/2009	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	30.7	<10.0	30.7	<16
SP-11	2'	11/19/2009	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	15.2	<10.0	15.2	<16
SP-12	2'	11/19/2009	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	<10.0	<16
STOCKPILE BASE LINE	N/A	11/19/2009	Stockpiled	<0.050	<0.050	0.257	1.19	1.447	25.5	1,070	61.5	1,157	<16
SP-7A	3'	1/12/2010	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	<10.0	<16
STOCKPILE EAST	N/A	1/12/2010	Stockpiled	<0.050	<0.050	<0.050	<0.300	<0.300	23.9	847	67.0	937.9	<16
STOCKPILE WEST	N/A	1/12/2010	Stockpiled	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	648	51.6	699.6	32
STOCKPILE	N/A	9/14/2012	Stockpiled	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<15.6	217	16.4	233	22.4*
STOCKPILE #2	N/A	9/25/2012	Stockpiled	<0.00105	<0.00210	<0.00105	<0.00210	<0.00210	<15.8	72.0	<15.8	72.0	-
NMOCD Standard				**10**				**50**				**100**	**250**

- = Not analyzed.

* Denotes Laboratory Analytical Results in accordance with EPA 300/300.1

Photograph of initial release at the L-5 (8" Line) Historical Release Site.

Photograph of initial release at the L-5 (8" Line) Historical Release Site.

Photograph of excavation activities at the L-5 (8" Line) Historical Release Site.

Photograph of excavation activities at the L-5 (8" Line) Historical Release Site.

Photograph of excavation activities at the L-5 (8" Line) Historical Release Site.

Photograph of backfill activities at the L-5 (8" Line) Historical Release Site.

Photograph of backfill activities at the L-5 (8" Line) Historical Release Site.

Photograph of L-5 (8" Line) Historical Release Site after remediation activities.

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

December 1, 2009

Camille Bryant
Basin Environmental Consulting, LLC.
P.O. Box 381
Lovington, NM 88260

Re: 8 Inch Lateral L-5 (SUG)

Enclosed are the results of analyses for sample number H18775, received by the laboratory on 11/20/09 at 4:50 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited though the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 5 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BASIN ENVIRONMENTAL
ATTN: CAMILLE BRYANT
2800 PLAINS HWY
LOVINGTON, NM 88260
FAX TO: (575) 396-1429

Receiving Date: 11/20/09
Reporting Date: 11/30/09
Project Owner: SUG (2009-055)
Project Name: 8-INCH LATERAL L-5
Project Location: LEA CO., NM

Sampling Date: 11/19/09
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 3.5^{0}C
Sample Received By: ML
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/kg)	DRO (>C_{10}-C_{28}) (mg/kg)	DRO ext. (>C_{28}-C_{35}) (mg/kg)
ANALYSIS DATE		11/25/09	11/25/09	11/25/09
H18775-1	WEST SW @ 11.5'	<10.0	<10.0	<10.0
H18775-2	SOUTH SW @ 11.5'	<10.0	<10.0	<10.0
H18775-3	NORTH SW @ 11.5'	<10.0	28.4	<10.0
H18775-4	EAST SW @ 11.5'	<10.0	93.2	<10.0
H18775-5	RP FLOOR @ 12'	<10.0	25.2	<10.0
H18775-6	SP-1	<10.0	24.2	<10.0
H18775-7	SP-2	<10.0	36.5	<10.0
H18775-8	SP-3	<10.0	37.4	<10.0
H18775-9	SP-4	<10.0	32.2	<10.0
H18775-10	SP-5	<10.0	15.8	<10.0
H18775-11	SP-6	<10.0	16.2	<10.0
H18775-12	SP-7	<10.0	267	<10.0
H18775-13	SP-8	<10.0	17.2	<10.0
H18775-14	SP-9	<10.0	33.7	<10.0
H18775-15	SP-10	<10.0	30.7	<10.0
H18775-16	SP-11	<10.0	15.2	<10.0
H18775-17	SP-12	<10.0	<10.0	<10.0
H18775-18	STOCKPILE BASELINE	25.5	1,070	61.5*
Quality Control		447	585	-
True Value QC		500	500	-
% Recovery		89.4	117	-
Relative Percent Difference		10.1	0.4	-

METHODS: TPH GRO & DRO: EPA SW-846 8015 M extended. Reported on wet weight.
*C35 peak less than 75% of C28 peak. Not accredited for GRO/DRO/EXT DRO.

Lab Director

12/01/09
Date

H18775 TPHEXT BASIN

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BASIN ENVIRONMENTAL
ATTN: CAMILLE BRYANT
2800 PLAINS HWY
LOVINGTON, NM 88260
FAX TO: (575) 396-1429

Receiving Date: 11/20/09
Reporting Date: 11/25/09
Project Owner: SUG (2009-055)
Project Name: 8-INCH LATERAL L-5
Project Location: LEA CO., NM

Sampling Date: 11/19/09
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 3.5^{0}C
Sample Received By: ML
Analyzed By: ZL/HM

LAB NO.	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	Cl* (mg/kg)
ANALYSIS DATE:		11/23/09	11/23/09	11/23/09	11/23/09	11/24/09
H18775-1	WEST SW @ 11.5'	<0.050	<0.050	<0.050	<0.300	64
H18775-2	SOUTH SW @ 11.5'	<0.050	<0.050	<0.050	<0.300	96
H18775-3	NORTH SW @ 11.5'	<0.050	<0.050	<0.050	<0.300	< 16
H18775-4	EAST SW @ 11.5'	<0.050	<0.050	<0.050	<0.300	< 16
H18775-5	RP FLOOR @ 12'	<0.050	<0.050	<0.050	<0.300	112
H18775-6	SP-1	<0.050	<0.050	<0.050	<0.300	< 16
H18775-7	SP-2	<0.050	<0.050	<0.050	<0.300	< 16
H18775-8	SP-3	<0.050	<0.050	<0.050	<0.300	< 16
H18775-9	SP-4	<0.050	<0.050	<0.050	<0.300	< 16
H18775-10	SP-5	<0.050	<0.050	<0.050	<0.300	< 16
H18775-11	SP-6	<0.050	<0.050	<0.050	<0.300	< 16
H18775-12	SP-7	<0.050	<0.050	0.090	0.378	64
H18775-13	SP-8	<0.050	<0.050	<0.050	<0.300	< 16
H18775-14	SP-9	<0.050	<0.050	<0.050	<0.300	< 16
H18775-15	SP-10	<0.050	<0.050	<0.050	<0.300	< 16
H18775-16	SP-11	<0.050	<0.050	<0.050	<0.300	< 16
H18775-17	SP-12	<0.050	<0.050	<0.050	<0.300	< 16
H18775-18	STOCKPILE BASELINE	<0.050	<0.050	0.257	1.19	< 16
Quality Control		0.049	0.048	0.050	0.150	490
True Value QC		0.050	0.050	0.050	0.150	500
% Recovery		98.0	96.0	100	100	98.0
Relative Percent Difference		1.0	<1.0	<1.0	<1.0	2.0

METHODS: BTEX - SW-846 8021B; Cl-: Std. Methods 4500-Cl-B
*Analyses performed on 1:4 w:v aqueous extracts. Reported on wet weight.
TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Not accredited for Chloride.

Lab Director

12/01/09
Date

H18775 BCL BASIN

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(575) 393-2326 Fax (575) 393-2476

Company Name:	Basin Consulting	**BILL TO**	
Project Manager:	Camille Bryant	P.O. #:	
Address:	2800 Plains Hwy	Company:	SUG
City:	Lovington State: NM Zip: 88260	Attn:	
Phone #:	(575) 605-7210 Fax #: 575-396-1429	Address:	
Project #:	2009-055 Project Owner: SUG	City:	
Project Name:	8-Inch Lateral L-5	State: Zip:	
Project Location:	Lea Co. NM	Phone #:	
Sampler Name:	Camille Bryant	Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE (2009)	TIME	Chlorides 4500 Cl	TPH 8015M Extended	BTEX 8021B								
H18775-1	West SW @ 11.5'	G	1			X					X		11/19	1330	X	X	X								
-2	South SW @ 11.5'	G	1			X					X		11/19	1340	X	X	X								
-3	North SW @ 11.5'	G	1			X					X		11/19	1350	X	X	X								
-4	East SW @ 11.5'	G	1			X					X		11/19	1400	X	X	X								
-5	RP Floor @ 12'	G	1			X					X		11/19	1410	X	X	X								
-6	SP-1	G	1			X					X		11/19	1420	X	X	X								
-7	SP-2	G	1			X					X		11/19	1430	X	X	X								
-8	SP-3	G	1			X					X		11/19	1440	X	X	X								
-9	SP-4	G	1			X					X		11/19	1450	X	X	X								
-10	SP-5	G	1			X					X		11/19	1500	X	X	X								

ANALYSIS REQUEST

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Sampler Relinquished: Camille Bryant	Date: 11-20-09 Time: 4:50p	Received By: Misty Beard	
Relinquished By:	Date: Time:	Received By:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Temp. 3.5°C #216	Sample Condition Cool: Yes / No; Intact: Yes / No	CHECKED BY: (Initials) MCAB

Phone Result: ☐ No Add'l Phone #:
Fax Result: ☐ No Add'l Fax #:
REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 Fax (575) 393-2476

Company Name:	Basin Consulting	**BILL TO**	
Project Manager:	Camille Bryant	P.O. #:	
Address:	2800 Plains Hwy	Company:	SLG
City:	Lovington State: NM Zip: 88260	Attn:	
Phone #:	(575) 605-7210 Fax #: 575-396-1429	Address:	
Project #:	2009-055 Project Owner: SLG	City:	
Project Name:	8-Inch Lateral L-5	State: Zip:	
Project Location:	Lea Co, NM	Phone #:	
Sampler Name:	Camille Bryant	Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE (2009)	TIME	Chlorides 4500 Cl	TPH 8015M Extended	BTEX 8021b
H18775 11	SP-6	G	1			X					X		11/19	1510	X	X	X
-12	SP-7	G	1			X					X		11/19	1520	X	X	X
-13	SP-8	G	1			X					X		11/19	1530	X	X	X
-14	SP-9	G	1			X					X		11/19	1540	X	X	X
-15	SP-10	G	1			X					X		11/19	1550	X	X	X
-16	SP-11	G	1			X					X		11/19	1600	X	X	X
-17	SP-12	G	1			X					X		11/19	1610	X	X	X
-18	Stockpile Baseline	G	1			X					X		11/19	1620	X	X	X

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Sampler Relinquished: Camille Bryant	Date: 11-20-09 Time: 4:50p	Received By: Misty McBurt	
Relinquished By:	Date: Time:	Received By:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Temp. 3.5°C #126	Sample Condition Cool: Yes / No Intact: Yes / No	CHECKED BY: (Initials) MCRB

Phone Result:	☐	No	Add'l Phone #:
Fax Result:	☐	No	Add'l Fax #:
REMARKS:			

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

January 19, 2010

Camille Bryant
Basin Environmental Consulting, LLC.
P.O. Box 381
Lovington, NM 88260

Re: SUG 2009-055 (8 inch lateral L-5)

Enclosed are the results of analyses for sample number H19041, received by the laboratory on 01/12/10 at 4:50 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited though the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 4 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BASIN ENVIRONMENTAL CONSULTING
ATTN: CAMILLE BRYANT
2800 PLAINS HWY
LOVINGTON, NM 88260
FAX TO: (575) 396-1429

Receiving Date: 01/12/10
Reporting Date: 01/18/10
Project Number: 2009-055 (SUG)
Project Name: 8-INCH LATERAL L-5
Project Location: LEA CO., NM

Sampling Date: 01/12/10
Sample Type: SOIL
Sample Condition: INTACT @ 9°C
Sample Received By: JH
Analyzed By: AB/ZL

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/kg)	DRO (>C_{10}-C_{28}) (mg/kg)	DRO ext. (>C_{28}-C_{35}) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:		01/15/10	01/15/10	01/15/10	01/13/10	01/13/10	01/13/10	01/13/10
H19041-1	SP-7A	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H19041-2	STOCKPILE EAST	23.9	847	67.0	<0.050	<0.050	<0.050	0.501
H19041-3	STOCKPILE WEST	<10.0	648	51.6	<0.050	<0.050	<0.050	0.339
Quality Control		456	458	-	0.051	0.049	0.051	0.136
True Value QC		500	500	-	0.050	0.050	0.050	0.150
% Recovery		91.2	91.6	-	102	98.0	102	90.7
Relative Percent Difference		3.8	0.4		2.0	<1.0	2.0	1.9

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Reported on wet weight. Not accredited for GRO/DRO/DRO ext.

Lab Director

01/18/10
Date

H19041 TPHextBTEX BASIN

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BASIN ENVIRONMENTAL CONSULTING, LLC
ATTN: CAMILLE BRYANT
P.O. BOX 381
LOVINGTON, NM 88260
FAX TO: (575) 396-1429

Receiving Date: 01/12/10
Reporting Date: 01/14/10
Project Number: 2009-055 (SUG)
Project Name: 8 INCH LATERAL L-5
Project Location: LEA CO., NM

Analysis Date: 01/13/10
Sampling Date: 01/12/10
Sample Type: SOIL
Sample Condition: INTACT @ 9°C
Sample Received By: JH
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl^- (mg/kg)
H19041-1	SP-7A	< 16
H19041-2	STOCKPILE EAST	< 16
H19041-3	STOCKPILE WEST	32
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-Cl^-B

Note: Analyses performed on 1:4 w:v aqueous extracts.
Not accredited for Chloride.

Chemist

01/19/10
Date

H19041 Basin Environmental

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(575) 393-2326 Fax (575) 393-2476

Page 1 of 1

Company Name:	Basin Consulting	**BILL TO**	
Project Manager:	Camille Bryant	P.O. #:	
Address:	2300 Plains Hwy	Company:	SUG
City:	Lovington State: NM Zip: 88260	Attn:	
Phone #:	575-605-7210 Fax #: (575) 396-1429	Address:	
Project #:	2009-055 Project Owner: SUG	City:	
Project Name:	8-Inch Lateral L-5	State: Zip:	
Project Location:	Lea Co, NM	Phone #:	
Sampler Name:	Camille Bryant	Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	TIME	Chloride 4500	TPH 8015M Extended	BTEX 8021b
H19041-1	SP-7A	G	1			X					X		1/12	1000	X	X	X
-2	Stockpile East	C	1			X					X		1/12	1015	X	X	X
-3	Stockpile West	C	1			X					X		1/12	1030	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Sampler Relinquished: Camille Bryant	Date: 1/12/10 Time: 16:00	Received By: Coby Reynolds	
Relinquished By:	Date: 1/12/10 Time: 16:50	Received By: Jodi Henson	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Temp: 9°C	Sample Condition: Cool ☐ Yes ☒ No; Intact ☒ Yes ☐ No	CHECKED BY: (Initials) JA

Phone Result:	☐	No	Add'l Phone #:
Fax Result:	☐	No	Add'l Fax #:
REMARKS:			

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

#26

Analytical Report 449054

for

Southern Union Gas Services- Monahans

Project Manager: Ben Arguijo

L-5 (8" line)

(RP-2334)

18-SEP-12

Collected By: Client

Celebrating 20 Years of commitment to excellence in Environmental Testing Services

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

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

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

XENCO Laboratories

18-SEP-12

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

Reference: XENCO Report No: **449054**
L-5 (8" line)
Project Address: Lea County, NM

Ben Arguijo:

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 449054. 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. 449054 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

Sample Cross Reference 449054

Southern Union Gas Services- Monahans, Monahans, TX

L-5 (8" line)

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Stockpile	S	09-14-12 13:00		449054-001

CASE NARRATIVE

XENCO Laboratories

Client Name: Southern Union Gas Services- Monahans
Project Name: L-5 (8" line)

Project ID:	*(RP-2334)*	*Report Date:*	*18-SEP-12*
Work Order Number:	*449054*	*Date Received:*	*09/14/2012*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-896685 TPH By SW8015 Mod
SW8015MOD_NM

Batch 896685, C12-C28 Diesel Range Hydrocarbons recovered below QC limits in the Matrix Spike Duplicate.
Samples affected are: 449054-001.
The Laboratory Control Sample for C12-C28 Diesel Range Hydrocarbons is within laboratory Control Limits

Batch: LBA-896763 BTEX by EPA 8021B
SW8021BM

Batch 896763, Ethylbenzene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 449054-001.
The Laboratory Control Sample for m,p-Xylenes , Ethylbenzene, o-Xylene is within laboratory Control Limits

Certificate of Analysis Summary 449054

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: L-5 (8" line)

Project Id: (RP-2334)
Contact: Ben Arguijo
Project Location: Lea County, NM

Date Received in Lab: Fri Sep-14-12 03:30 pm
Report Date: 18-SEP-12
Project Manager: Nicholas Straccione

Analysis Requested								
	Lab Id:	449054-001						
	Field Id:	Stockpile						
	Depth:							
	Matrix:	SOIL						
	Sampled:	Sep-14-12 13:00						
BTEX by EPA 8021B	*Extracted:*	Sep-18-12 12:20						
	Analyzed:	Sep-18-12 15:41						
	Units/RL:	mg/kg	RL					
Benzene		ND	0.00104					
Toluene		ND	0.00208					
Ethylbenzene		ND	0.00104					
m,p-Xylenes		ND	0.00208					
o-Xylene		ND	0.00104					
Total Xylenes		ND	0.00104					
Total BTEX		ND	0.00104					
Inorganic Anions by EPA 300/300.1 SUB: E871002	*Extracted:*	Sep-15-12 13:30						
	Analyzed:	Sep-15-12 19:18						
	Units/RL:	mg/kg	RL					
Chloride		22.4	1.09					
Percent Moisture	*Extracted:*							
	Analyzed:	Sep-17-12 12:45						
	Units/RL:	%	RL					
Percent Moisture		3.93	1.00					
TPH By SW8015 Mod	*Extracted:*	Sep-17-12 09:30						
	Analyzed:	Sep-17-12 19:23						
	Units/RL:	mg/kg	RL					
C6-C12 Gasoline Range Hydrocarbons		ND	15.6					
C12-C28 Diesel Range Hydrocarbons		217	15.6					
C28-C35 Oil Range Hydrocarbons		16.4	15.6					
Total TPH		233	15.6					

Nicholas Straccione
Project Manager

XENCO Laboratories

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantiation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

* Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

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

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: L-5 (8" line)

Work Orders : 449054,

Project ID: (RP-2334)

Lab Batch #: 896685 **Sample:** 449054-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 09/17/12 19:23

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.8	99.6	96	70-135	
o-Terphenyl	48.5	49.8	97	70-135	

Lab Batch #: 896763 **Sample:** 449054-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 09/18/12 15:41

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY 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	0.0249	0.0300	83	80-120	

Lab Batch #: 896685 **Sample:** 627274-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 09/17/12 11:58

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	94.2	99.6	95	70-135	
o-Terphenyl	47.0	49.8	94	70-135	

Lab Batch #: 896763 **Sample:** 627327-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 09/18/12 14:12

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0257	0.0300	86	80-120	
4-Bromofluorobenzene	0.0261	0.0300	87	80-120	

Lab Batch #: 896685 **Sample:** 627274-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 09/17/12 11:00

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	53.9	50.1	108	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: L-5 (8" line)

Work Orders : 449054, **Project ID:** (RP-2334)

Lab Batch #: 896763 **Sample:** 627327-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 09/18/12 13:36

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0312	0.0300	104	80-120	
4-Bromofluorobenzene	0.0322	0.0300	107	80-120	

Lab Batch #: 896685 **Sample:** 627274-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 09/17/12 11:29

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	100	102	70-135	
o-Terphenyl	52.6	50.1	105	70-135	

Lab Batch #: 896763 **Sample:** 627327-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 09/18/12 13:51

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0276	0.0300	92	80-120	
4-Bromofluorobenzene	0.0307	0.0300	102	80-120	

Lab Batch #: 896685 **Sample:** 448788-015 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 09/17/12 12:28

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.7	100	91	70-135	
o-Terphenyl	49.9	50.2	99	70-135	

Lab Batch #: 896763 **Sample:** 449054-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 09/18/12 15:26

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0302	0.0300	101	80-120	
4-Bromofluorobenzene	0.0300	0.0300	100	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: L-5 (8" line)

Work Orders : 449054,

Project ID: (RP-2334)

Lab Batch #: 896685 **Sample:** 448788-015 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 09/17/12 12:57

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.2	99.9	89	70-135	
o-Terphenyl	49.3	50.0	99	70-135	

Lab Batch #: 896763 **Sample:** 449054-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 09/18/12 15:55

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY 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	0.0342	0.0300	114	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.

XENCO Laboratories

BS / BSD Recoveries

Project Name: L-5 (8" line)

Work Order #: 449054 **Project ID:** (RP-2334)

Analyst: KEB **Date Prepared:** 09/18/2012 **Date Analyzed:** 09/18/2012

Lab Batch ID: 896763 **Sample:** 627327-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00100	0.100	0.0940	94	0.100	0.0940	94	0	70-130	35	
Toluene	<0.00200	0.100	0.0935	94	0.100	0.0928	93	1	70-130	35	
Ethylbenzene	<0.00100	0.100	0.0907	91	0.100	0.0904	90	0	71-129	35	
m,p-Xylenes	<0.00200	0.200	0.196	98	0.200	0.199	100	2	70-135	35	
o-Xylene	<0.00100	0.100	0.0940	94	0.100	0.0969	97	3	71-133	35	

Analyst: TTE **Date Prepared:** 09/15/2012 **Date Analyzed:** 09/15/2012

Lab Batch ID: 896628 **Sample:** 627250-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.977	97.7	97.9	100	102	105	103	7	80-120	20	

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

BS / BSD Recoveries

Project Name: L-5 (8" line)

Work Order #: 449054
Analyst: KEB
Lab Batch ID: 896685 **Sample:** 627274-1-BKS
Units: mg/kg

Date Prepared: 09/17/2012
Batch #: 1

Project ID: (RP-2334)
Date Analyzed: 09/17/2012
Matrix: Solid

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<15.0	1000	945	95	1000	934	93	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	1000	925	93	1000	914	91	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

XENCO Laboratories

Form 3 - MS Recoveries

Project Name: L-5 (8" line)

Work Order #: 449054
Lab Batch #: 896628
Project ID: (RP-2334)
Date Analyzed: 09/15/2012
Date Prepared: 09/15/2012
Analyst: TTE
QC- Sample ID: 449054-001 S
Batch #: 1
Matrix: Soil
Reporting Units: mg/kg

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	22.4	109	129	98	80-120	

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

BRL - Below Reporting Limit

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: L-5 (8" line)

Work Order # : 449054 **Project ID:** (RP-2334)

Lab Batch ID: 896763 **QC- Sample ID:** 449054-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 09/18/2012 **Date Prepared:** 09/18/2012 **Analyst:** KEB

Reporting Units: mg/kg

BTEX by EPA 8021B	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
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	<0.00104	0.104	0.0918	88	0.104	0.0972	93	6	70-130	35	
Toluene	<0.00208	0.104	0.0826	79	0.104	0.0826	79	0	70-130	35	
Ethylbenzene	<0.00104	0.104	0.0614	59	0.104	0.0617	59	0	71-129	35	X
m,p-Xylenes	<0.00208	0.208	0.124	60	0.208	0.124	60	0	70-135	35	X
o-Xylene	<0.00104	0.104	0.0649	62	0.104	0.0645	62	1	71-133	35	X

Lab Batch ID: 896685 **QC- Sample ID:** 448788-015 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 09/17/2012 **Date Prepared:** 09/17/2012 **Analyst:** KEB

Reporting Units: mg/kg

TPH By SW8015 Mod	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<15.2	1010	924	91	1010	842	83	9	70-135	35	
C12-C28 Diesel Range Hydrocarbons	520	1010	1270	74	1010	1180	65	7	70-135	35	X

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

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

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

XENCO Laboratories

Sample Duplicate Recovery

Project Name: L-5 (8" line)

Work Order #: 449054

Lab Batch #: 896699 **Project ID:** (RP-2334)

Date Analyzed: 09/17/2012 12:45 **Date Prepared:** 09/17/2012 **Analyst:** WRU

QC- Sample ID: 449054-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Percent Moisture **Analyte**	**Parent Sample Result [A]**	**Sample Duplicate Result [B]**	**RPD**	**Control Limits %RPD**	**Flag**
Percent Moisture	3.93	4.02	2	15	

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

BRL - Below Reporting Limit

Xenco Laboratories

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Joel Lowry

Company Name: Basin Environmental Service Technologies, LLC

Company Address: P.O. Box 301

City/State/Zip: Lovington, NM 88260

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

Sampler Signature: Joel Lowry e-mail: pm@basinenv.com; Rose.Slade@SUG.com

Project Name: L-5 (8"line)

Project #: (RP-2334)

Project Loc: Lea County, NM

PO #:

Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only) ORDER #: 449054

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260 X	CHLORIDES E 300.0	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT 4 DAY
	Stockpile			9/14/12	1300		1	X								S	X							X	X		X

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Joel Lowry	9/14/12	1305	[signature]	9/14/12	1305
[signature]	9.14.12	15:30	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT: [signature]	9-14-12	15:32

Laboratory Comments:

Sample Containers Intact?	(Y)	N
VOCs Free of Headspace?	(Y)	N
Labels on container(s)	(Y)	N
Custody seals on container(s)	Y	(N)
Custody seals on cooler(s)	Y	(N)
Sample Hand Delivered	(Y)	N
by Sampler/Client Rep. ?	(Y)	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 1.5 °C

Final 1.000

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- Monahan

Date/ Time Received: 09/14/2012 03:30:00 PM

Work Order #: 449054

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	7.5
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	Yes
#5 Custody Seals intact on sample bottles/ container?	Yes
#6 *Custody Seals Signed and dated for Containers/coolers	Yes
#7 *Chain of Custody present?	Yes
#8 Sample instructions complete on Chain of Custody?	Yes
#9 Any missing/extra samples?	No
#10 Chain of Custody signed when relinquished/ received?	Yes
#11 Chain of Custody agrees with sample label(s)?	Yes
#12 Container label(s) legible and intact?	Yes
#13 Sample matrix/ properties agree with Chain of Custody?	Yes
#14 Samples in proper container/ bottle?	Yes
#15 Samples properly preserved?	Yes
#16 Sample container(s) intact?	Yes
#17 Sufficient sample amount for indicated test(s)?	Yes
#18 All samples received within hold time?	Yes
#19 Subcontract of sample(s)?	Yes
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	Yes
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	Yes
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	Yes

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

Analyst:	PH Device/Lot#:

Checklist completed by: _____ Date: _____

Checklist reviewed by: _____ Date: _____

Analytical Report 449822

for

Southern Union Gas Services- Monahans

Project Manager: Joel Lowry

L-5(8"line)

(RP-2334)

03-OCT-12

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)

XENCO Laboratories

03-OCT-12

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

Reference: XENCO Report No: **449822**
L-5(8"line)
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 449822. 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. 449822 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 M.

Alejandro Montoya
Odessa Laboratory Director

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

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

Sample Cross Reference 449822

Southern Union Gas Services- Monahans, Monahans, TX

L-5(8"line)

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Stockpile #2	S	09-25-12 13:30		449822-001

CASE NARRATIVE

XENCO Laboratories

Client Name: Southern Union Gas Services- Monahans
Project Name: L-5(8"line)

Project ID: *(RP-2334)*
Work Order Number: *449822*

Report Date: *03-OCT-12*
Date Received: *09/27/2012*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-897637 BTEX by EPA 8021B
SW8021BM

Batch 897637, Ethylbenzene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 449822-001.
The Laboratory Control Sample for Ethylbenzene is within laboratory Control Limits

Certificate of Analysis Summary 449822

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: L-5(8"line)

Project Id: (RP-2334)
Contact: Joel Lowry
Project Location: Lea County, NM

Date Received in Lab: Thu Sep-27-12 02:56 pm
Report Date: 03-OCT-12
Project Manager: Nicholas Straccione

Analysis Requested							
	Lab Id:	449822-001					
	Field Id:	Stockpile #2					
	Depth:						
	Matrix:	SOIL					
	Sampled:	Sep-25-12 13:30					
BTEX by EPA 8021B	*Extracted:*	Sep-28-12 12:05					
	Analyzed:	Sep-28-12 15:18					
	Units/RL:	mg/kg	RL				
Benzene		ND	0.00105				
Toluene		ND	0.00210				
Ethylbenzene		ND	0.00105				
m_p-Xylenes		ND	0.00210				
o-Xylene		ND	0.00105				
Total Xylenes		ND	0.00105				
Total BTEX		ND	0.00105				
Percent Moisture	*Extracted:*						
	Analyzed:	Oct-01-12 14:30					
	Units/RL:	%	RL				
Percent Moisture		5.11	1.00				
TPH By SW8015 Mod	*Extracted:*	Oct-01-12 12:00					
	Analyzed:	Oct-01-12 16:31					
	Units/RL:	mg/kg	RL				
C6-C12 Gasoline Range Hydrocarbons		ND	15.8				
C12-C28 Diesel Range Hydrocarbons		72.0	15.8				
C28-C35 Oil Range Hydrocarbons		ND	15.8				
Total TPH		72.0	15.8				

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

Version: 1.%

Alejandro Montoya
Odessa Laboratory Director

XENCO Laboratories

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantiation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

* Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

\+ NELAC certification not offered for this compound.

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

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: L-5(8"line)

Work Orders : 449822,

Project ID: (RP-2334)

Lab Batch #: 897637 **Sample:** 449822-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 09/28/12 15:18

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0241	0.0300	80	80-120	
4-Bromofluorobenzene	0.0285	0.0300	95	80-120	

Lab Batch #: 897742 **Sample:** 449822-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 10/01/12 16:31

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	86.5	100	87	70-135	
o-Terphenyl	41.8	50.0	84	70-135	

Lab Batch #: 897637 **Sample:** 627872-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 09/28/12 14:12

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0267	0.0300	89	80-120	
4-Bromofluorobenzene	0.0294	0.0300	98	80-120	

Lab Batch #: 897742 **Sample:** 627936-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 10/01/12 14:32

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	93.7	99.9	94	70-135	
o-Terphenyl	46.2	50.0	92	70-135	

Lab Batch #: 897637 **Sample:** 627872-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 09/28/12 13:14

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0310	0.0300	103	80-120	
4-Bromofluorobenzene	0.0348	0.0300	116	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.

Version: 1.%

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: L-5(8"line)

Work Orders : 449822, **Project ID:** (RP-2334)

Lab Batch #: 897742 **Sample:** 627936-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 10/01/12 15:01

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	100	100	100	70-135	
o-Terphenyl	53.2	50.0	106	70-135	

Lab Batch #: 897637 **Sample:** 627872-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 09/28/12 13:51

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY 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	0.0323	0.0300	108	80-120	

Lab Batch #: 897742 **Sample:** 627936-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 10/01/12 15:29

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	100	106	70-135	
o-Terphenyl	56.7	50.0	113	70-135	

Lab Batch #: 897637 **Sample:** 449822-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 09/28/12 17:33

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0274	0.0300	91	80-120	
4-Bromofluorobenzene	0.0322	0.0300	107	80-120	

Lab Batch #: 897742 **Sample:** 449818-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 10/02/12 00:22

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	47.9	50.0	96	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.

Version: 1.%

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: L-5(8"line)

Work Orders : 449822,

Project ID: (RP-2334)

Lab Batch #: 897637 **Sample:** 449822-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 09/28/12 17:33

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0274	0.0300	91	80-120	
4-Bromofluorobenzene	0.0322	0.0300	107	80-120	

Lab Batch #: 897742 **Sample:** 449818-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 10/02/12 00:52

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	100	99.8	100	70-135	
o-Terphenyl	46.8	49.9	94	70-135	

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Version: 1.%

BS / BSD Recoveries

Project Name: L-5(8"line)

Work Order #: 449822 **Project ID:** (RP-2334)

Analyst: KEB **Date Prepared:** 09/28/2012 **Date Analyzed:** 09/28/2012

Lab Batch ID: 897637 **Sample:** 627872-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000998	0.0998	0.107	107	0.0998	0.0975	98	9	70-130	35	
Toluene	<0.00200	0.0998	0.108	108	0.0998	0.0971	97	11	70-130	35	
Ethylbenzene	<0.000998	0.0998	0.102	102	0.0998	0.0932	93	9	71-129	35	
m_p-Xylenes	<0.00200	0.200	0.222	111	0.200	0.205	103	8	70-135	35	
o-Xylene	<0.000998	0.0998	0.109	109	0.0998	0.100	100	9	71-133	35	

Analyst: KEB **Date Prepared:** 10/01/2012 **Date Analyzed:** 10/01/2012

Lab Batch ID: 897742 **Sample:** 627936-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<15.0	1000	991	99	1000	1020	102	3	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	1000	980	98	1000	1010	101	3	70-135	35	

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

Version: 1.%

Form 3 - MS / MSD Recoveries

Project Name: L-5(8"line)

Work Order # : 449822 **Project ID:** (RP-2334)

Lab Batch ID: 897637 **QC- Sample ID:** 449822-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 09/28/2012 **Date Prepared:** 09/28/2012 **Analyst:** KEB

Reporting Units: mg/kg

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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	<0.00105	0.105	0.0897	85	0.105	0.0900	86	0	70-130	35	
Toluene	<0.00209	0.105	0.0844	80	0.105	0.0848	81	0	70-130	35	
Ethylbenzene	<0.00105	0.105	0.0707	67	0.105	0.0710	68	0	71-129	35	X
m_p-Xylenes	<0.00209	0.209	0.150	72	0.210	0.150	71	0	70-135	35	
o-Xylene	<0.00105	0.105	0.0750	71	0.105	0.0753	72	0	71-133	35	

Lab Batch ID: 897742 **QC- Sample ID:** 449818-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 10/02/2012 **Date Prepared:** 10/01/2012 **Analyst:** KEB

Reporting Units: mg/kg

TPH By SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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	<18.8	1250	1230	98	1250	1220	98	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<18.8	1250	1250	100	1250	1240	99	1	70-135	35	

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

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

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

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Sample Duplicate Recovery

Project Name: L-5(8"line)

Work Order #: 449822

Lab Batch #: 897752 **Project ID:** (RP-2334)

Date Analyzed: 10/01/2012 14:30 **Date Prepared:** 10/01/2012 **Analyst:** WRU

QC- Sample ID: 449829-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Percent Moisture **Analyte**	**Parent Sample Result [A]**	**Sample Duplicate Result [B]**	**RPD**	**Control Limits %RPD**	**Flag**
Percent Moisture	1.21	1.05	14	15	

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

BRL - Below Reporting Limit

Version: 1.%

Xenco Laboratories

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Joel Lowry
Company Name: Basin Environmental Service Technologies, LLC
Company Address: P.O. Box 301
City/State/Zip: Lovington, NM 88260
Telephone No: (575)396-2378 Fax No: (575) 396-1429
Sampler Signature: Trey Habon e-mail: pm@basinenv.com; Rose.Slade@SUG.com

Project Name: L-5 (8"line)
Project #: (RP-2334)
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only) ORDER #: 44982

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: BTEX 8021B/5030 or BTEX 8260	CHLORIDES	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT 4 DAY
	Stockpile #2			9/25/2012	1330		1	X									X							X			X

Special Instructions: Hold for ~~TPH~~ and BTEX

Relinquished by:	Date	Time	Received by:	Date	Time
Trey Habon	9.26.12	0700	Miguel Rivera	9.26.12	13:00
Miguel Rivera	9.26.12	1700	Linda Butler	9-26-12	1:00 pm
	Date	Time	Received by ELOT:	Date	Time
			Maurel Smith	9/27/12	1456

Laboratory Comments:

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

Temperature Upon Receipt: 4.8 °C

Final 1.000

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- Monahan

Date/ Time Received: 09/27/2012 02:56:00 PM

Work Order #: 449822

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4.8
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	Yes
#5 Custody Seals intact on sample bottles?	Yes
#6 *Custody Seals Signed and dated?	Yes
#7 *Chain of Custody present?	Yes
#8 Sample instructions complete on Chain of Custody?	Yes
#9 Any missing/extra samples?	No
#10 Chain of Custody signed when relinquished/ received?	Yes
#11 Chain of Custody agrees with sample label(s)?	Yes
#12 Container label(s) legible and intact?	Yes
#13 Sample matrix/ properties agree with Chain of Custody?	Yes
#14 Samples in proper container/ bottle?	Yes
#15 Samples properly preserved?	Yes
#16 Sample container(s) intact?	Yes
#17 Sufficient sample amount for indicated test(s)?	Yes
#18 All samples received within hold time?	Yes
#19 Subcontract of sample(s)?	Yes
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	Yes
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	Yes
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	Yes

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

Analyst:	PH Device/Lot#:

Checklist completed by: Date: 09/27/2012

Checklist reviewed by: Date: 09/27/2012