Southern Union Gas Services

801 South Loop 464
Monahans, Texas 79756

432.943.1100 Fax: 432.943.1101

March 29, 2012

Mr. ~~Edward Hansen~~ L. Lowe
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RECEIVED
APR 2 2012
Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

Re: 2011 Annual Groundwater Monitoring Reports
Southern Union Gas Services, Ltd
Boyd Compressor Station (GW-269)
House Compressor Station (GW-243)
Lea County, New Mexico

Mr. Hansen,

Enclosed are the *2011 Annual Groundwater Monitoring Reports* for the following groundwater remediation sites in Lea County, New Mexico:

Boyd Compressor Station (GW-269)
Unit Letter "J", Section 26, Township 22 South, Range 37 East, NMPM

House Compressor Station (GW-243)
Unit Letter "O", Section 11, Township 20 South, Township 38 East, NMPM

I have personally reviewed these documents, prepared by Basin Environmental Services Technologies, LLC, on behalf of Southern Union Gas Services, and believe the facts are true and accurate to the best of my knowledge and ability. If you have any questions or comments, please contact me at 432-940-5147 or by email at rose.slade@sug.com.

Respectfully submitted,

Rose L. Slade
EHS Compliance Specialist
Southern Union Gas Services, Ltd
rose.slade@sug.com

Cc: Geoffrey R. Leking, NMOCD Hobbs District Office
SUG Environmental Files
Enclosures

Basin Environmental Service Technologies, LLC

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Lovington, New Mexico 88260
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Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

2011
ANNUAL MONITORING REPORT

SOUTHERN UNION GAS SERVICES
HOUSE COMPRESSOR STATION
Lea County, New Mexico
"J" (NW/SE), Section 11, Township 20 South, Range 38 East
New Mexico Discharge Plan & Permit #GW-243

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

March 2012

Ben J. Arguijo
Project Manager

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INTRODUCTION

Basin Environmental Service Technologies, LLC (Basin), on behalf of Southern Union Gas Services (Southern Union), is pleased to submit this *Annual Monitoring Report* in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an Annual Monitoring Report by April 1st of each year. This report is intended to be viewed as a complete document with text, figures, tables, and appendices. This report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2011 only.

Groundwater monitoring was conducted during the third and fourth quarters of 2011 to assess the levels and extent of dissolved phase constituents and Phase-Separated Hydrocarbon (PSH). The groundwater monitoring events consisted of measuring static water levels in the monitor wells, checking for the presence of PSH, and purging and sampling of each well exhibiting sufficient recharge.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The legal description of the House Compressor Station site is Unit Letter "J" (NW/SE), Section 11, Township 20 South, Range 38 East in Lea County, New Mexico. The facility is covered by a New Mexico Discharge Plan & Permit (GW-243). For reference, a "Site Location Map" is provided as Figure 1.

On July 14, 2008, the New Mexico Oil Conservation Division (NMOCD) conducted a facilities inspection at the House Compressor Station. The facilities inspection was in response to a New Mexico Discharge Plan/Permit renewal application submitted by Southern Union. In correspondence dated September 10, 2008, the NMOCD requested a timeline for removal of two (2) aboveground storage tanks and a below grade sump tank located on the northwest and north sides of the House Compressor Station, respectively.

On October 7, 2008, the two (2) aboveground storage tanks and the below grade sump tank were removed. On October 9, 2008, soil samples were collected from beneath the tanks. The analytical results indentified areas of hydrocarbon impact beneath the aboveground tanks

On November 17, 2008, based on laboratory analytical results, three (3) soil borings (SB-1 through SB-3) were advance at the House Compressor Station site. Soil boring SB-1 was located beneath the southernmost storage tank and was advanced to a total depth of approximately thirty-five feet (35') below ground surface (bgs). Soil samples were collected at selected drilling intervals and submitted to the laboratory for analysis. Laboratory analytical results identified hydrocarbon impact throughout the soil column.

Soil boring SB-2 was advanced northeast of the aboveground storage tanks and south of a decommissioned Copper Compressor. The soil boring was advanced to a total depth of approximately twenty feet (20') bgs. Soil samples were collected at selected drilling intervals and submitted to the laboratory for analysis. Laboratory analytical results indicated the soil was non-impacted.

Soil boring SB-3 was advanced south of the southernmost aboveground storage tank. The soil boring was advanced to a depth of approximately fifteen feet (15') bgs. Soil samples were collected at selected drilling intervals and submitted to the laboratory for analysis. Laboratory analytical results indicated the soil was non-impacted. Based on the results of the soil investigation, the installation of monitor wells was warranted.

Following the advancement of soil boring SB-1, a "raw" groundwater sample was collected from the open uncased borehole and submitted to the laboratory for analysis. Laboratory analytical results indicated BTEX constituent concentrations were present in the sample at levels less than NMOCD and New Mexico Water Quality Control Commission (NMWQCC) regulatory levels. The analytical results further indicated elevated levels of chloride were present in the groundwater.

On November 17 and 18, 2008, three (3) monitor wells (MW-1, MW-2, and MW-3) were installed at the House Compressor Station. Monitor well MW-1 was installed northwest of the aboveground storage tanks to a total depth of approximately forty feet (40') bgs. Laboratory analytical results of submitted soil samples indicated soils were non-impacted.

On November 19, 2008, an initial groundwater sample was collected from monitor well MW-1 and submitted to the laboratory for analysis. Laboratory analytical results indicated groundwater impact, but less than NMOCD/NMWQCC regulatory levels.

Monitor well MW-2 was installed south of the aboveground storage tanks to a total depth of approximately forty feet (40') bgs. Laboratory analytical results of submitted soil samples indicated soils were non-impacted.

On November 19, 2008, an initial groundwater sample was collected from monitor well MW-2 and submitted to the laboratory for analysis. Laboratory analytical results indicated chloride groundwater impact.

Monitor well MW-3 was installed southeast of the aboveground storage tanks to a total depth of approximately forty feet (40') bgs. Laboratory analytical results of submitted soil samples indicated soils were non-impacted.

On November 19, 2008, an initial groundwater sample was collected from monitor well MW-3 and submitted to the laboratory for analysis. Laboratory analytical results indicated chloride groundwater impact.

Based on the analytical results of the initial groundwater sampling event, the monitor wells were placed on a quarterly monitoring and sampling schedule.

On November 20, 2008, decommissioned pipelines were removed from the impacted area identified during the soil investigation. On November 26, 2008, excavation of impacted soil identified during the soil investigation began and continued until March 23, 2009. Laboratory analytical results of soil samples collected from the floor and sidewalls of the excavation

indicated contaminant concentrations exceeding NMOCD/NMWQCC regulatory level remained in the floor and east sidewall of the excavation.

Currently, there are three (3) groundwater monitor wells (MW-1, MW-2, and MW-3) on-site. Monitor wells MW-1, MW-2, and MW-3 are gauged and sampled on a quarterly schedule.

FIELD ACTIVITIES

The on-site monitor wells were gauged and sampled on September 28 (3Q2011) and December 1, 2011 (4Q2011). During these quarterly sampling events, the monitoring wells were purged of a minimum of three (3) well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos pump. Groundwater was allowed to recharge, and samples were obtained using disposable Teflon bailers. Water samples were stored in clean, glass or plastic containers provided by the laboratory and placed on ice in the field. Purge water was collected in a trailer-mounted polystyrene tank and disposed of at an NMOCD-approved disposal facility near Monument, New Mexico.

Locations of the groundwater monitoring wells and the inferred groundwater elevations were constructed from the measurements collected during the quarterly monitoring events and are depicted in Figures 2A and 2B. Groundwater elevation data is provided as Table 1. An inferred groundwater gradient map cannot be constructed from the observed groundwater elevation data derived from the three (3) on-site monitor wells. An obstruction approximately twenty-two feet (22') bgs in MW-3 precluded measurement of the groundwater elevation in the monitor well. An inferred groundwater gradient map requires elevation data from a minimum of three (3) monitor wells to calculate an accurate groundwater gradient direction and magnitude. Review of New Mexico State Engineers Office (NMOSE) records indicate a general southeast groundwater gradient in this area of Lea County, New Mexico. The corrected groundwater elevations ranged from 3,537.45 to 3,537.78 feet above mean sea level, in monitor well MW-2 and MW-1, respectively, on September 28, 2011.

No PSH was detected in any of the on-site monitor wells during the 2011 reporting period.

LABORATORY RESULTS

Groundwater samples collected from the monitor wells during the quarterly sampling events (3Q2011 and 4Q2011) were delivered to Xenco Laboratories in Odessa, Texas, for determination of chloride, and/or benzene, toluene, ethylbenzene, and total xylenes (BTEX) constituent concentrations by EPA Methods E300 and SW846-8021b, respectively. A summary of benzene, BTEX, and chloride concentrations is presented in Table 2, "2011 Concentrations of Benzene, BTEX & Chloride in Groundwater". Laboratory analytical reports are provided as Appendix A. "Groundwater Concentration" maps are provided as Figures 3A and 3B.

Laboratory analytical results were compared to NMOCD regulatory limits based on the New Mexico groundwater standards found in section 20.6.2.3103 of the New Mexico Administrative Code (NMAC).

Monitor well MW-1

Monitor well MW-1 is sampled on a quarterly schedule. Laboratory analytical results indicated chloride concentrations ranged from 287 mg/L in 3Q2011 to 312 mg/L in 4Q2011. Chloride concentrations exceeded NMOCD regulatory standards in all submitted groundwater samples. Benzene, toluene, ethylbenzene, and total xylene concentrations were both less than the appropriate laboratory method detection limit (MDL) and less than NMOCD regulatory standards in all submitted groundwater samples.

Baseline sampling of monitor well MW-1 was conducted on September 28, 2011. Laboratory analytical results from the baseline monitoring event are summarized in Tables 3 through 5.

Monitor well MW-2

Monitor well MW-2 is sampled on a quarterly schedule. Laboratory analytical results indicated chloride concentrations ranged from 247 mg/L in 4Q2011 to 263 mg/L in 3Q2011. Chloride concentrations exceeded NMOCD regulatory standards during 3Q2011. Benzene, toluene, ethylbenzene, and total xylene concentrations were both less than the appropriate laboratory MDL and less than NMOCD regulatory standards in all submitted groundwater samples.

Baseline sampling of monitor well MW-2 was conducted on September 28, 2011. Laboratory analytical results from the baseline monitoring event are summarized in Tables 3 through 5.

Monitor well MW-3

An obstruction approximately twenty-feet feet (22') bgs in monitor well MW-3 precluded sample collection during 3Q2011 and 4Q2011.

SUMMARY

This report presents the results of monitoring activities for the 2011 monitoring period. Currently, there are three (3) groundwater monitoring wells (MW-1, MW-2, and MW-3) on-site. Monitor well MW-1 and MW-2 are sampled on a quarterly basis. Monitor well MW-3 is obstructed and was unable to be sampled during the 2011 reporting period.

Review of NMOSE records indicate a general groundwater gradient to the southeast.

No PSH was detected in any of the on-site monitor wells during the 2011 reporting period.

Laboratory analytical results indicated chloride concentrations exceeded NMOCD regulatory standards during 3Q2011 (MW-1 and MW-2) and 4Q2011 (MW-1). Benzene, toluene, ethylbenzene, and total xylene concentrations were less than NMOCD regulatory standards in all submitted groundwater samples.

ANTICIPATED ACTIONS

Monitor wells MW-1 and MW-2 will be monitored and sampled quarterly. Monitor well MW-3 will be inspected by an NMOSE-certified well driller, and quarterly monitoring and sampling of the monitor well will commence after any required maintenance or repairs have been completed.

Southern Union will conduct an investigation to identify potential 3rd Party offsite contributors to the chloride plume. The analytical results of groundwater samples collected from the on-site monitor wells appear to indicate a chloride concentration which exceeds the chloride concentration of the release site vadose zone soil samples. In addition, the analytical results indicate the upgradient monitor well exhibits chloride concentrations in excess of the down gradient monitor well, as well as the soil chloride concentrations. Southern Union will submit the results of the investigation to the NMOCD if potential contributors are identified.

A 2012 *Annual Monitoring Report* will be submitted to the NMOCD by April 1, 2013.

LIMITATIONS

Basin Environmental Service Technologies, LLC, has prepared this *Annual Monitoring Report* 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.

DISTRIBUTION

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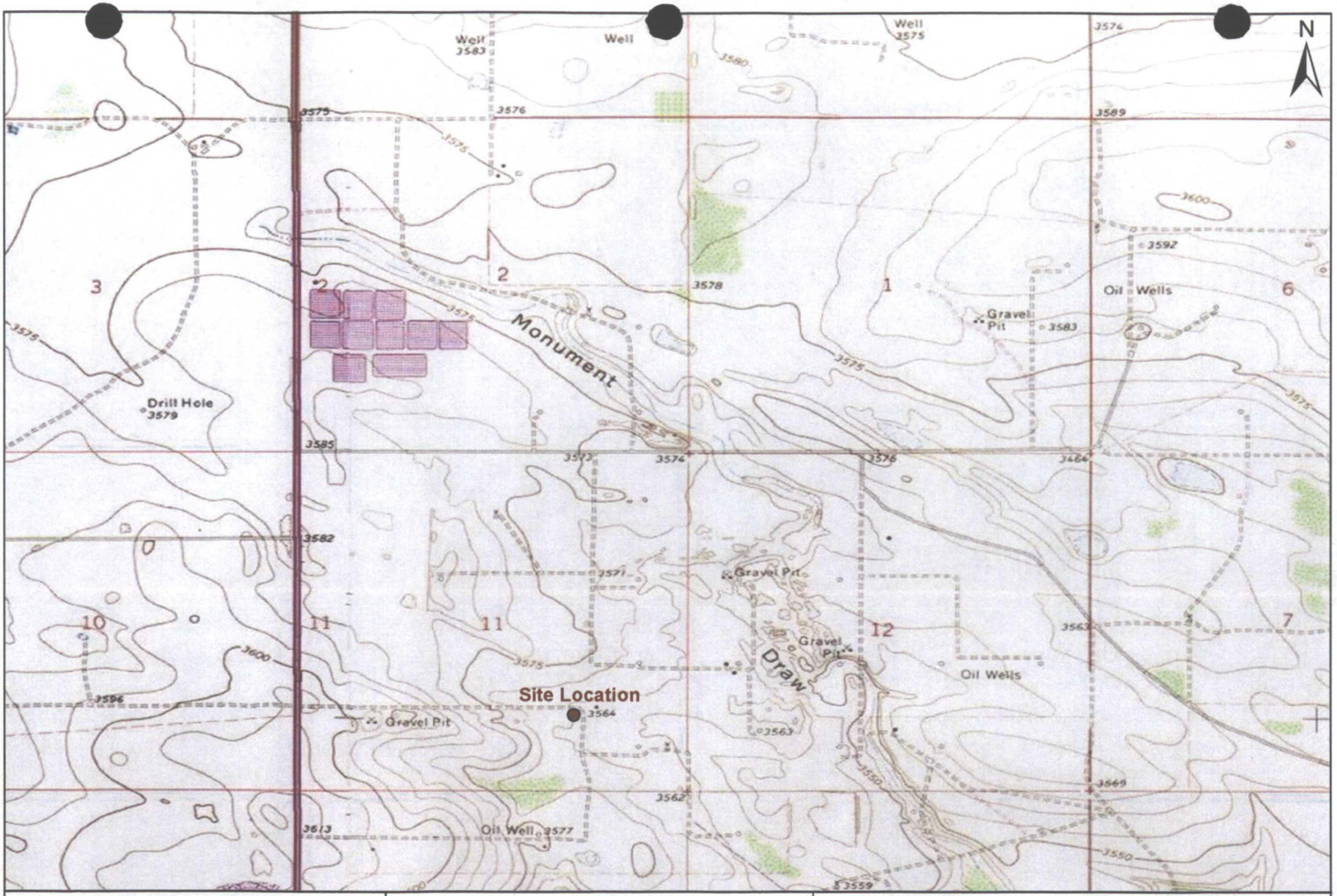
Figures



1,000500 0 1,000 2,000

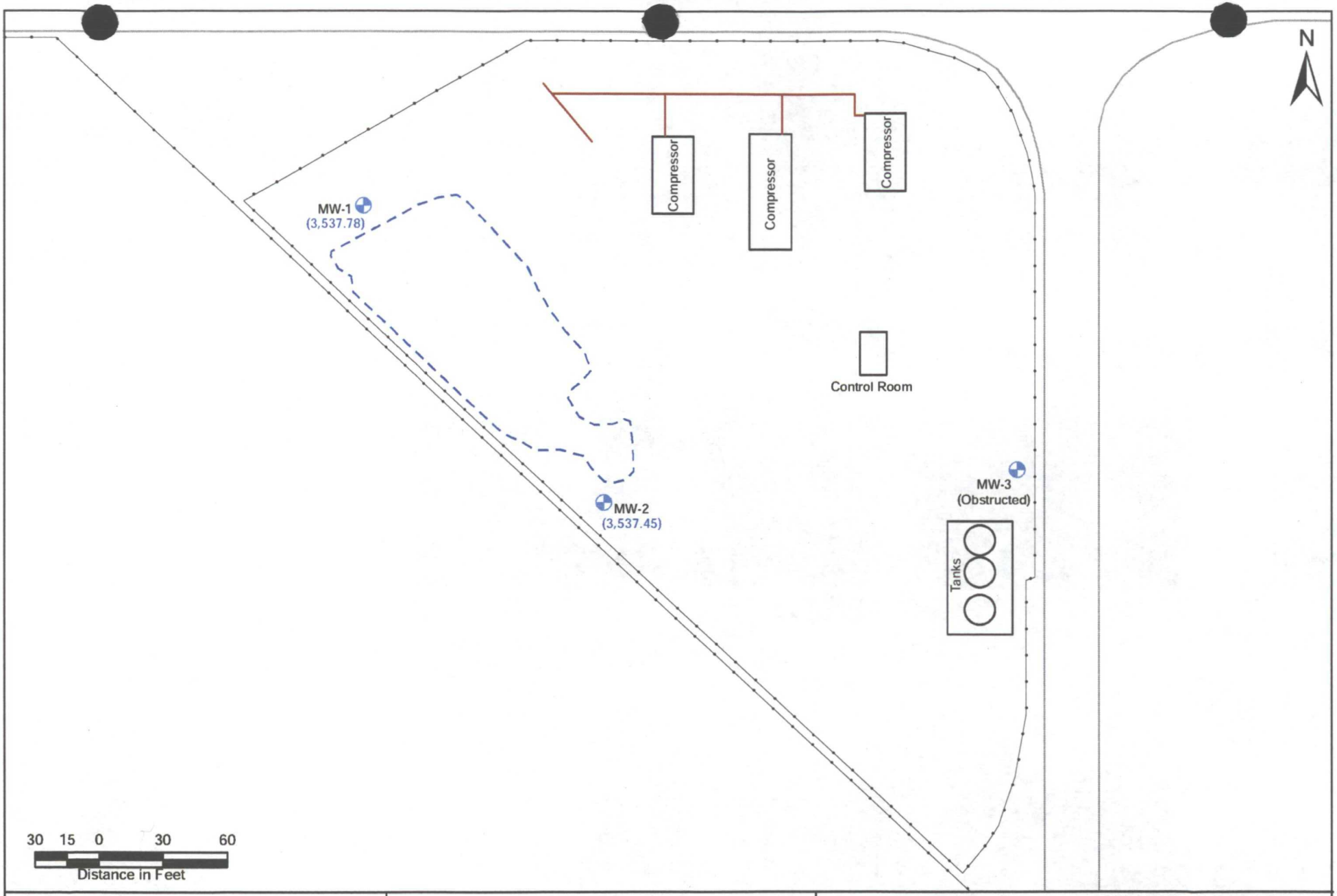
Distance in Feet

Figure 1
Site Location Map
Southern Union Gas Services
House Compressor Station
Lea County, New Mexico

Basin Environmental Service Technologies
Effective Solutions

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

Drawn By: BJA	Checked By: BRB
March 8, 2012	Scale: 1" = 2000'



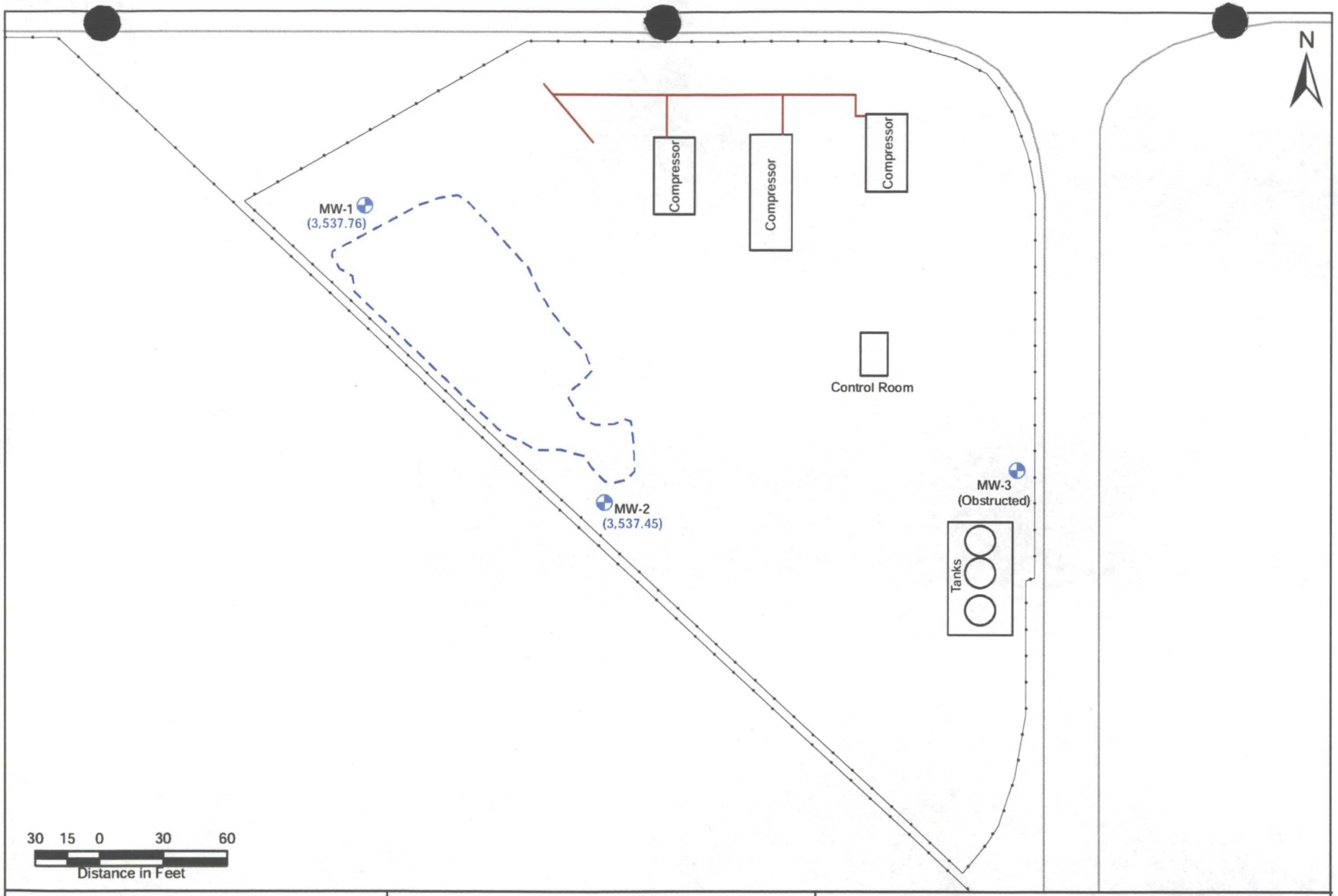
Legend:

- Pipeline
- Fence
- Road
- Excavation Extent
- (3,720) Groundwater Elevation (ft)
- Monitor Well

Figure 2A
Groundwater Elevation Map
3Q2011 (9/28/2011)
Southern Union Gas Services
House Compressor Station
Lea County, New Mexico

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

Drawn By: BJA	Checked By: BRB
March 23, 2012	Scale: 1" = 60'



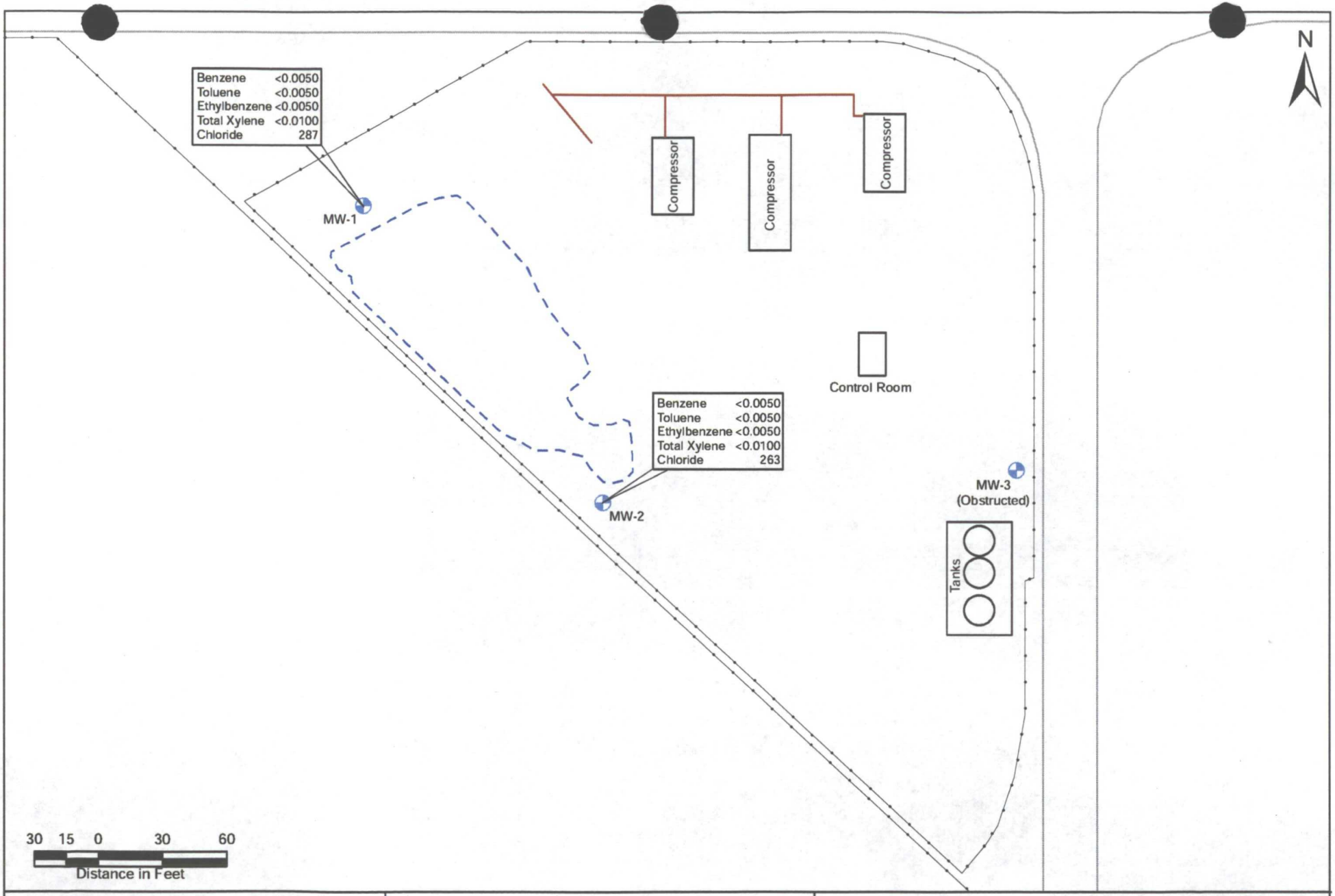
Legend:

- Pipeline
- Fence
- Road
- Excavation Extent
- (3,720) Groundwater Elevation (ft)
- Monitor Well

Figure 2B
Groundwater Elevation Map
4Q2011 (12/1/2011)
Southern Union Gas Services
House Compressor Station
Lea County, New Mexico

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

Drawn By: BJA	Checked By: BRB
March 23, 2012	Scale: 1" = 60'

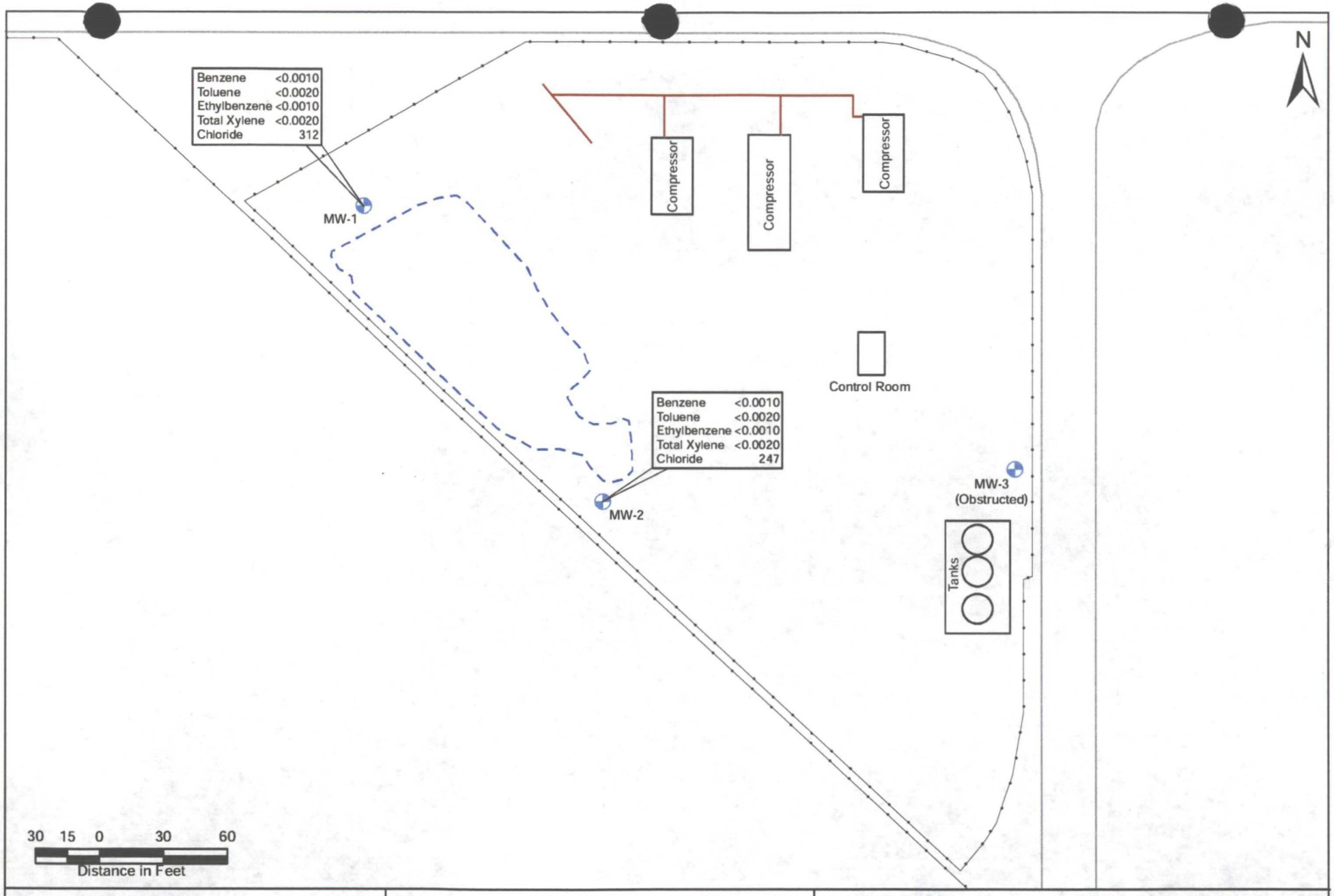


Legend:
- Pipeline
- Fence
- Road
- Excavation Extent
- Monitor Well

Figure 3A
Groundwater Concentration Map
3Q2011 (9/28/2011)
Southern Union Gas Services
House Compressor Station
Lea County, New Mexico

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

Drawn By: BJA	Checked By: BRB
March 23, 2012	Scale: 1" = 60'



Legend:
- Pipeline
- Fence
- Road
- Excavation Extent
- Monitor Well

Figure 3B
Groundwater Concentration Map
4Q2011 (12/1/2011)
Southern Union Gas Services
House Compressor Station
Lea County, New Mexico

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

Drawn By: BJA	Checked By: BRB
March 23, 2012	Scale: 1" = 60'

Tables

TABLE 1

GROUNDWATER ELEVATION DATA

SOUTHERN UNION GAS SERVICES
HOUSE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	TOTAL DEPTH	CORRECTED GROUNDWATER ELEVATION
MW-1	9/28/2011	3,570.93	-	33.15	-	41.68	3,537.78
	12/1/2011	3,570.93	-	33.17	-	41.68	3,537.76
MW-2	9/28/2011	3,570.30	-	32.85	-	41.48	3,537.45
	12/1/2011	3,570.30	-	32.85	-	41.48	3,537.45
MW-3	9/28/2011	3,569.25	Obstructed				
	12/1/2011	3,569.25					

TABLE 2

2011 CONCENTRATIONS OF BENZENE, BTEX & CHLORIDE IN GROUNDWATER

SOUTHERN UNION GAS SERVICES
HOUSE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846-8021b							E 300
		BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL-BENZENE (mg/L)	M,P-XYLENES (mg/L)	O-XYLENES (mg/L)	TOTAL XYLENE (mg/L)	TOTAL BTEX (mg/L)	CHLORIDE (mg/L)
MW-1	9/28/2011	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.010	<0.010	287
	12/1/2011	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020	312
MW-2	9/28/2011	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.010	<0.010	263
	12/1/2011	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020	247
MW-3	9/28/2011	Obstructed							
	12/1/2011								
NMOCD CRITERIA		**0.01**	**0.75**	**0.75**	**TOTAL XYLENES 0.62**				**250**

TABLE 3

CONCENTRATIONS OF RCRA & NMWQCC METALS IN GROUNDWATER

SOUTHERN UNION GAS SERVICES

HOUSE COMPRESSOR STATION

LEA COUNTY, NEW MEXICO

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-6020A, EPA 7470A								
		Aluminum	Boron	Cobalt	Copper	Iron	Manganese	Molybdenum	Nickel	Zinc
MW-1	9/28/2011	6.13	0.387	0.0240	0.0375	15.8	1.40	<0.0020	0.0365	0.0384
MW-2	9/28/2011	15.5	0.364	0.0301	0.0808	23.5	6.75	0.00213	0.221	0.0797
MW-3	9/28/2011	Obstructed								
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		5.0 mg/L	0.75 mg/L	0.05 mg/L	1.0 mg/L	1.0 mg/L	0.2 mg/L	1.0 mg/L	0.2 mg/L	10 mg/L

Table 4

CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
SOUTHERN UNION GAS SERVICES
HOUSE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

All water concentrations are in mg/L

Sample Location	Date Sampled	Acetone	Acrylonitrile	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone	MTBE	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane
MW-1	9/28/2011	<0.1	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01
MW-2	9/28/2011	<0.1	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01
MW-3	9/28/2011	Obstructed																
Maximum Contaminant Levels from NMWQCC Drinking water standards Sections 1-101.UU and 3-103.A.		-	-	0.01 mg/L	-	-	-	-	-	-	-	-	-	-	-	0.01 mg/L	-	-

Table 4

CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
SOUTHERN UNION GAS SERVICES
HOUSE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

All water concentrations are in mg/L

Sample Location	Date Sampled	2-Chloroethyl vinyl ether	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	p-Cymene(p-Isopropyltoluene)	Dibromochloromethane	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	Dibromomethane (methylene bromide)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluormethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene
MW-1	9/28/2011	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-2	9/28/2011	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-3	9/28/2011	Obstructed																	
Maximum Contaminant Levels from NMWQCC Drinking water standards Sections 1-101.UU and 3-103.A.		-	0.1mg/L	-	-	-	-	-	-	0.0001 mg/L	-	-	-	-	-	0.005 mg/L	0.01 mg/L	0.005 mg/L	0.1mg/L

Table 4

CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
SOUTHERN UNION GAS SERVICES
HOUSE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

All water concentrations are in mg/L

Sample Location	Date Sampled	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	Methylene chloride	4-Methyl-2-pentanone (MIBK)	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane
MW-1	9/28/2011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	0.00543	<0.05	<0.01	<0.005	<0.005	<0.005
MW-2	9/28/2011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	0.00544	<0.05	<0.01	<0.005	<0.005	<0.005
MW-3	9/28/2011	Obstructed																
Maximum Contaminant Levels from NMWQCC Drinking water standards Sections 1-101.UU and 3-103.A.		-	-	-	-	-	-	-	0.75 mg/L	-	-	-	0.1mg/L	-	0.03 mg/L	-	-	-

Table 4

CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
SOUTHERN UNION GAS SERVICES
HOUSE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

All water concentrations are in mg/L

Sample Location	Date Sampled	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	o-Xylene	m,p-Xylene	Vinyl Chloride
MW-1	9/28/2011	<0.005	<0.005	<0.005	<0.0099	<0.0099	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.0020
MW-2	9/28/2011	<0.005	<0.005	<0.005	<0.0099	<0.0099	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.0020
MW-3	9/28/2011	Obstructed														
Maximum Contaminant Levels from NMWQCC Drinking water standards Sections 1-101.UU and 3-103.A.		0.02 mg/L	-	0.75 mg/L	-	-	0.06 mg/L	-	0.01 mg/ L	-	-	-	-	Total Xylene 0.62 mg/L		0.001 mg/L

TABLE 5

CONCENTRATIONS OF SEMI-VOLATILE COMPOUNDS IN GROUNDWATER

SOUTHERN UNION GAS SERVICES

HOUSE COMPRESSOR STATION

LEA COUNTY, NEW MEXICO

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510															
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenanthrene	Pyrene
MW-1	9/28/2011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-2	9/28/2011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-3	9/28/2011	Obstructed															

Appendices

Appendix A

Laboratory Analytical Reports

Analytical Report 428605

for

Southern Union Gas Services- Monahans

Project Manager: Rose Slade

House Compressor Station

14-OCT-11

Collected By: Client

XENCO Laboratories

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)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories

14-OCT-11

Project Manager: **Rose Slade**
Southern Union Gas Services- Monahans
1507 W. 15th Street
Monahans, TX 79756

Reference: XENCO Report No: **428605**
House Compressor Station
Project Address: Lea County, NM

Rose Slade:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 428605. 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. 428605 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

XENCO Laboratories

Sample Cross Reference 428605

Southern Union Gas Services- Monahans, Monahans, TX

House Compressor Station

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	09-28-11 10:50		428605-001
MW-2	W	09-28-11 10:15		428605-002

CASE NARRATIVE

XENCO Laboratories

Client Name: Southern Union Gas Services- Monahans
Project Name: House Compressor Station

Project ID:
Work Order Number: 428605

Report Date: 14-OCT-11
Date Received: 09/29/2011

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-871619 Anions by E300
E300MI

Batch 871619, Chloride recovered below QC limits in the Matrix Spike.
Samples affected are: 428605-001, -002.
The Laboratory Control Sample for Chloride is within laboratory Control Limits

Batch: LBA-871684 VOAs by SW-846 8260B
SW8260B

Batch 871684, Bromochloromethane RPD was outside QC limits.
Samples affected are: 428605-001, -002

SW8260B

Batch 871684, 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1-Dichloropropene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2-Chlorotoluene, Bromochloromethane, Bromodichloromethane, Chloroform, Sec-Butylbenzene, n-Propylbenzene, o-Xylene, p-Cymene (p-Isopropyltoluene), tert-Butylbenzene, trans-1,2-dichloroethene recovered above QC limits in the Matrix Spike. Carbon Tetrachloride, Trichlorofluoromethane recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 428605-001, -002.
The Laboratory Control Sample for Bromodichloromethane, 1,3-Dichlorobenzene, Bromochloromethane, 2-Chlorotoluene, tert-Butylbenzene, 1,4-Dichlorobenzene, Chloroform, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, Sec-Butylbenzene, o-Xylene, 1,1,1-Trichloroethane, 1,1,1,2-Tetrachloroethane, trans-1,2-dichloroethene, n-Propylbenzene, p-Cymene (p-Isopropyltoluene), 1,1-Dichloropropene is within laboratory Control Limits

SW8260B

Batch 871684, Carbon Tetrachloride recovered above QC limitsTrichlorofluoromethane recovered above QC limits in the Blank Spike and Duplicate.
Samples affected are: 428605-001, -002.

Batch: LBA-872310 ICP-MS Metals by SW 6020A
SW6020

Batch 872310, Zinc recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 428605-001, -002.
The Laboratory Control Sample for Zinc is within laboratory Control Limits

Certificate of Analysis Summary 428605

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: House Compressor Station

Project Id:
Contact: Rose Slade
Project Location: Lea County, NM

Date Received in Lab: Thu Sep-29-11 08:46 am
Report Date: 14-OCT-11
Project Manager: Brent Barron II

Analysis Requested											
	Lab Id:	428605-001		428605-002							
	Field Id:	MW-1		MW-2							
	Depth:										
	Matrix:	WATER		WATER							
	Sampled:	Sep-28-11 10:50		Sep-28-11 10:15							
Anions by E300	*Extracted:*										
	Analyzed:	Oct-04-11 17:49		Oct-04-11 17:49							
	Units/RL:	mg/L	RL	mg/L	RL						
Chloride		287	12.5	263	12.5						
ICP-MS Metals by SW 6020A SUB: E871002	*Extracted:*	Oct-06-11 17:00		Oct-06-11 17:00							
	Analyzed:	Oct-13-11 15:34		Oct-13-11 15:46							
	Units/RL:	mg/L	RL	mg/L	RL						
Aluminum		6.13	0.0100	15.5	0.0100						
Boron		0.387	0.0100	0.364	0.0100						
Cobalt		0.0240	0.00500	0.0301	0.00500						
Copper		0.0375	0.00200	0.0808	0.00200						
Iron		15.8	0.150	23.5	0.150						
Manganese		1.40	0.00200	6.75	0.00200						
Molybdenum		ND	0.00200	0.00213	0.00200						
Nickel		0.0365	0.00500	0.221	0.00500						
Zinc		0.0384	0.00300	0.0797	0.00300						

Brent Barron II
Odessa Laboratory Manager

Certificate of Analysis Summary 428605

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: House Compressor Station

Project Id:
Contact: Rose Slade
Project Location: Lea County, NM

Date Received in Lab: Thu Sep-29-11 08:46 am
Report Date: 14-OCT-11
Project Manager: Brent Barron II

Analysis Requested	*Lab Id:*	428605-001		428605-002					
	Field Id:	MW-1		MW-2					
	Depth:								
	Matrix:	WATER		WATER					
	Sampled:	Sep-28-11 10:50		Sep-28-11 10:15					
VOAs by SW-846 8260B SUB: E871002	*Extracted:*	Oct-03-11 13:15		Oct-03-11 13:16					
	Analyzed:	Oct-03-11 19:10		Oct-03-11 19:32					
	Units/RL:	mg/L	RL	mg/L	RL				
1,1,1,2-Tetrachloroethane		ND	0.00500	ND	0.00500				
1,1,1-Trichloroethane		ND	0.00500	ND	0.00500				
1,1,2,2-Tetrachloroethane		ND	0.00500	ND	0.00500				
1,1,2-Trichloroethane		ND	0.00500	ND	0.00500				
1,1-Dichloroethane		ND	0.00500	ND	0.00500				
1,1-Dichloroethene		ND	0.00500	ND	0.00500				
1,1-Dichloropropene		ND	0.00500	ND	0.00500				
1,2,3-Trichlorobenzene		ND	0.00500	ND	0.00500				
1,2,3-Trichloropropane		ND	0.00500	ND	0.00500				
1,2,4-Trichlorobenzene		ND	0.00500	ND	0.00500				
1,2,4-Trimethylbenzene		ND	0.00500	ND	0.00500				
1,2-Dibromo-3-Chloropropane		ND	0.00500	ND	0.00500				
1,2-Dibromoethane		ND	0.00500	ND	0.00500				
1,2-Dichlorobenzene		ND	0.00500	ND	0.00500				
1,2-Dichloroethane		ND	0.00500	ND	0.00500				
1,2-Dichloropropane		ND	0.00500	ND	0.00500				
1,3,5-Trimethylbenzene		ND	0.00500	ND	0.00500				
1,3-Dichlorobenzene		ND	0.00500	ND	0.00500				
1,3-Dichloropropane		ND	0.00500	ND	0.00500				
1,4-Dichlorobenzene		ND	0.00500	ND	0.00500				
2,2-Dichloropropane		ND	0.00500	ND	0.00500				
2-Chlorotoluene		ND	0.00500	ND	0.00500				
4-Chlorotoluene		ND	0.00500	ND	0.00500				
Benzene		ND	0.00500	ND	0.00500				
Bromobenzene		ND	0.00500	ND	0.00500				

Brent Barron II
Odessa Laboratory Manager

Certificate of Analysis Summary 428605

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: House Compressor Station

Project Id:
Contact: Rose Slade
Project Location: Lea County, NM

Date Received in Lab: Thu Sep-29-11 08:46 am
Report Date: 14-OCT-11
Project Manager: Brent Barron II

Analysis Requested	*Lab Id:*	428605-001		428605-002					
	Field Id:	MW-1		MW-2					
	Depth:								
	Matrix:	WATER		WATER					
	Sampled:	Sep-28-11 10:50		Sep-28-11 10:15					
VOAs by SW-846 8260B SUB: E871002	*Extracted:*	Oct-03-11 13:15		Oct-03-11 13:16					
	Analyzed:	Oct-03-11 19:10		Oct-03-11 19:32					
	Units/RL:	mg/L	RL	mg/L	RL				
Bromochloromethane		ND	0.00500	ND	0.00500				
Bromodichloromethane		ND	0.00500	ND	0.00500				
Bromoform		ND	0.00500	ND	0.00500				
Bromomethane		ND	0.00500	ND	0.00500				
Carbon Tetrachloride		ND	0.00500	ND	0.00500				
Chlorobenzene		ND	0.00500	ND	0.00500				
Chloroethane		ND	0.0100	ND	0.0100				
Chloroform		ND	0.00500	ND	0.00500				
Chloromethane		ND	0.0100	ND	0.0100				
cis-1,2-Dichloroethene		ND	0.00500	ND	0.00500				
cis-1,3-Dichloropropene		ND	0.00500	ND	0.00500				
Dibromochloromethane		ND	0.00500	ND	0.00500				
Dibromomethane		ND	0.00500	ND	0.00500				
Dichlorodifluoromethane		ND	0.00500	ND	0.00500				
Ethylbenzene		ND	0.00500	ND	0.00500				
Hexachlorobutadiene		ND	0.00500	ND	0.00500				
isopropylbenzene		ND	0.00500	ND	0.00500				
m,p-Xylenes		ND	0.0100	ND	0.0100				
Methylene Chloride		0.00543	0.00500	0.00544	0.00500				
MTBE		ND	0.00500	ND	0.00500				
Naphthalene		ND	0.0100	ND	0.0100				
n-Butylbenzene		ND	0.00500	ND	0.00500				
n-Propylbenzene		ND	0.00500	ND	0.00500				
o-Xylene		ND	0.00500	ND	0.00500				
p-Cymene (p-Isopropyltoluene)		ND	0.00500	ND	0.00500				

Brent Barron II
Odessa Laboratory Manager

Certificate of Analysis Summary 428605

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: House Compressor Station

Project Id:
Contact: Rose Slade
Project Location: Lea County, NM

Date Received in Lab: Thu Sep-29-11 08:46 am
Report Date: 14-OCT-11
Project Manager: Brent Barron II

Analysis Requested	*Lab Id:*	428605-001		428605-002					
	Field Id:	MW-1		MW-2					
	Depth:								
	Matrix:	WATER		WATER					
	Sampled:	Sep-28-11 10:50		Sep-28-11 10:15					
VOAs by SW-846 8260B SUB: E871002	*Extracted:*	Oct-03-11 13:15		Oct-03-11 13:16					
	Analyzed:	Oct-03-11 19:10		Oct-03-11 19:32					
	Units/RL:	mg/L	RL	mg/L	RL				
Sec-Butylbenzene		ND	0.00500	ND	0.00500				
Styrene		ND	0.00500	ND	0.00500				
tert-Butylbenzene		ND	0.00500	ND	0.00500				
Tetrachloroethylene		ND	0.00500	ND	0.00500				
Toluene		ND	0.00500	ND	0.00500				
trans-1,2-dichloroethene		ND	0.00500	ND	0.00500				
trans-1,3-dichloropropene		ND	0.00500	ND	0.00500				
Trichloroethene		ND	0.00500	ND	0.00500				
Trichlorofluoromethane		ND	0.00500	ND	0.00500				
Vinyl Chloride		ND	0.00200	ND	0.00200				

Brent Barron II
Odessa Laboratory Manager

Final 1.000

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.

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

+ Outside XENCO's scope of NELAC Accreditation.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: House Compressor Station

Work Orders : 428605,

Project ID:

Lab Batch #: 871684 **Sample:** 428605-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/03/11 19:10

VOAs by SW-846 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0476	0.0500	95	74-124	
Dibromofluoromethane	0.0565	0.0500	113	75-131	
1,2-Dichloroethane-D4	0.0515	0.0500	103	63-144	
Toluene-D8	0.0459	0.0500	92	80-117	

Lab Batch #: 871684 **Sample:** 428605-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/03/11 19:32

VOAs by SW-846 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0490	0.0500	98	74-124	
Dibromofluoromethane	0.0542	0.0500	108	75-131	
1,2-Dichloroethane-D4	0.0478	0.0500	96	63-144	
Toluene-D8	0.0475	0.0500	95	80-117	

Lab Batch #: 871684 **Sample:** 612285-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/03/11 13:12

VOAs by SW-846 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0482	0.0500	96	74-124	
Dibromofluoromethane	0.0543	0.0500	109	75-131	
1,2-Dichloroethane-D4	0.0495	0.0500	99	63-144	
Toluene-D8	0.0461	0.0500	92	80-117	

Lab Batch #: 871684 **Sample:** 612285-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/03/11 11:44

VOAs by SW-846 8260B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0474	0.0500	95	74-124	
Dibromofluoromethane	0.0552	0.0500	110	75-131	
1,2-Dichloroethane-D4	0.0489	0.0500	98	63-144	
Toluene-D8	0.0476	0.0500	95	80-117	

* 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

Form 2 - Surrogate Recoveries

Project Name: House Compressor Station

Work Orders : 428605, **Project ID:**

Lab Batch #: 871684 **Sample:** 612285-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/03/11 12:05

VOAs by SW-846 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0479	0.0500	96	74-124	
Dibromofluoromethane	0.0555	0.0500	111	75-131	
1,2-Dichloroethane-D4	0.0494	0.0500	99	63-144	
Toluene-D8	0.0471	0.0500	94	80-117	

Lab Batch #: 871684 **Sample:** 428104-009 S / MS **Batch:** 1 **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 10/03/11 14:02

VOAs by SW-846 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0462	0.0500	92	74-124	
Dibromofluoromethane	0.0557	0.0500	111	75-131	
1,2-Dichloroethane-D4	0.0464	0.0500	93	63-144	
Toluene-D8	0.0471	0.0500	94	80-117	

Lab Batch #: 871684 **Sample:** 428104-009 SD / MSD **Batch:** 1 **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 10/03/11 14:23

VOAs by SW-846 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0457	0.0500	91	74-124	
Dibromofluoromethane	0.0540	0.0500	108	75-131	
1,2-Dichloroethane-D4	0.0456	0.0500	91	63-144	
Toluene-D8	0.0473	0.0500	95	80-117	

* 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

Blank Spike Recovery

Project Name: House Compressor Station

Work Order #: 428605 **Project ID:**

Lab Batch #: 872310 **Sample:** 612364-1-BKS **Matrix:** Water

Date Analyzed: 10/13/2011 **Date Prepared:** 10/06/2011 **Analyst:** AMB

Reporting Units: mg/L **Batch #:** 1

		BLANK /BLANK SPIKE RECOVERY STUDY				
ICP-MS Metals by SW 6020A **Analytes**	**Blank Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Control Limits %R**	**Flags**
Aluminum	<0.0100	1.00	0.861	86	80-120	
Boron	<0.0100	0.200	0.204	102	80-120	
Cobalt	<0.00500	0.200	0.188	94	80-120	
Copper	<0.00200	0.200	0.189	95	80-120	
Iron	<0.150	1.00	0.946	95	80-120	
Manganese	<0.00200	0.200	0.190	95	80-120	
Molybdenum	<0.00200	0.200	0.203	102	80-120	
Nickel	<0.00500	0.200	0.189	95	80-120	
Zinc	<0.00300	0.200	0.187	94	80-120	

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

Final 1.000

XENCO Laboratories

BS / BSD Recoveries

Project Name: House Compressor Station

Work Order #: 428605 **Project ID:**

Analyst: BRB **Date Prepared:** 10/04/2011 **Date Analyzed:** 10/04/2011

Lab Batch ID: 871619 **Sample:** 871619-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Anions by E300 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	<0.500	10.0	10.6	106	10.0	10.3	103	3	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: House Compressor Station

Work Order #: 428605 **Project ID:**

Analyst: CYE **Date Prepared:** 10/03/2011 **Date Analyzed:** 10/03/2011

Lab Batch ID: 871684 **Sample:** 612285-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

VOAs by SW-846 8260B 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
1,1,1,2-Tetrachloroethane	<0.00500	0.0500	0.0571	114	0.0500	0.0568	114	1	75-125	20	
1,1,1-Trichloroethane	<0.00500	0.0500	0.0603	121	0.0500	0.0586	117	3	75-125	20	
1,1,2,2-Tetrachloroethane	<0.00500	0.0500	0.0421	84	0.0500	0.0469	94	11	50-130	31	
1,1,2-Trichloroethane	<0.00500	0.0500	0.0440	88	0.0500	0.0470	94	7	75-127	20	
1,1-Dichloroethane	<0.00500	0.0500	0.0558	112	0.0500	0.0527	105	6	60-130	20	
1,1-Dichloroethene	<0.00500	0.0500	0.0578	116	0.0500	0.0550	110	5	59-172	22	
1,1-Dichloropropene	<0.00500	0.0500	0.0563	113	0.0500	0.0537	107	5	75-125	20	
1,2,3-Trichlorobenzene	<0.00500	0.0500	0.0454	91	0.0500	0.0481	96	6	75-137	20	
1,2,3-Trichloropropane	<0.00500	0.0500	0.0524	105	0.0500	0.0571	114	9	75-125	20	
1,2,4-Trichlorobenzene	<0.00500	0.0500	0.0466	93	0.0500	0.0483	97	4	75-135	20	
1,2,4-Trimethylbenzene	<0.00500	0.0500	0.0554	111	0.0500	0.0534	107	4	75-125	20	
1,2-Dibromo-3-Chloropropane	<0.00500	0.0500	0.0409	82	0.0500	0.0487	97	17	59-125	28	
1,2-Dibromoethane	<0.00500	0.0500	0.0482	96	0.0500	0.0508	102	5	73-125	20	
1,2-Dichlorobenzene	<0.00500	0.0500	0.0542	108	0.0500	0.0537	107	1	75-125	20	
1,2-Dichloroethane	<0.00500	0.0500	0.0541	108	0.0500	0.0538	108	1	68-127	20	
1,2-Dichloropropane	<0.00500	0.0500	0.0463	93	0.0500	0.0459	92	1	74-125	20	
1,3,5-Trimethylbenzene	<0.00500	0.0500	0.0549	110	0.0500	0.0535	107	3	70-125	20	
1,3-Dichlorobenzene	<0.00500	0.0500	0.0558	112	0.0500	0.0551	110	1	75-125	20	
1,3-Dichloropropane	<0.00500	0.0500	0.0461	92	0.0500	0.0477	95	3	75-125	20	
1,4-Dichlorobenzene	<0.00500	0.0500	0.0560	112	0.0500	0.0541	108	3	75-125	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

Final 1.000

XENCO Laboratories

BS / BSD Recoveries

Project Name: House Compressor Station

Work Order #: 428605 **Project ID:**

Analyst: CYE **Date Prepared:** 10/03/2011 **Date Analyzed:** 10/03/2011

Lab Batch ID: 871684 **Sample:** 612285-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

VOAs by SW-846 8260B 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
2,2-Dichloropropane	<0.00500	0.0500	0.0571	114	0.0500	0.0546	109	4	60-140	20	
2-Chlorotoluene	<0.00500	0.0500	0.0566	113	0.0500	0.0551	110	3	73-125	20	
4-Chlorotoluene	<0.00500	0.0500	0.0531	106	0.0500	0.0518	104	2	74-125	20	
Benzene	<0.00500	0.0500	0.0483	97	0.0500	0.0475	95	2	66-142	21	
Bromobenzene	<0.00500	0.0500	0.0520	104	0.0500	0.0526	105	1	60-130	20	
Bromochloromethane	<0.00500	0.0500	0.0587	117	0.0500	0.0597	119	2	73-125	20	
Bromodichloromethane	<0.00500	0.0500	0.0559	112	0.0500	0.0557	111	0	75-125	20	
Bromoform	<0.00500	0.0500	0.0509	102	0.0500	0.0546	109	7	75-125	20	
Bromomethane	<0.00500	0.0500	0.0539	108	0.0500	0.0522	104	3	70-130	20	
Carbon Tetrachloride	<0.00500	0.0500	0.0644	129	0.0500	0.0619	124	4	62-125	20	H
Chlorobenzene	<0.00500	0.0500	0.0523	105	0.0500	0.0516	103	1	60-133	21	
Chloroethane	<0.0100	0.0500	0.0475	95	0.0500	0.0444	89	7	70-130	20	
Chloroform	<0.00500	0.0500	0.0564	113	0.0500	0.0550	110	3	74-125	20	
Chloromethane	<0.0100	0.0500	0.0439	88	0.0500	0.0414	83	6	70-130	20	
cis-1,2-Dichloroethene	<0.00500	0.0500	0.0536	107	0.0500	0.0523	105	2	60-130	20	
cis-1,3-Dichloropropene	<0.00500	0.0500	0.0475	95	0.0500	0.0477	95	0	60-140	20	
Dibromochloromethane	<0.00500	0.0500	0.0556	111	0.0500	0.0557	111	0	60-130	20	
Dibromomethane	<0.00500	0.0500	0.0506	101	0.0500	0.0514	103	2	69-127	23	
Dichlorodifluoromethane	<0.00500	0.0500	0.0498	100	0.0500	0.0456	91	9	70-130	23	
Ethylbenzene	<0.00500	0.0500	0.0503	101	0.0500	0.0499	100	1	75-125	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: House Compressor Station

Work Order #: 428605 **Project ID:**

Analyst: CYE **Date Prepared:** 10/03/2011 **Date Analyzed:** 10/03/2011

Lab Batch ID: 871684 **Sample:** 612285-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

VOAs by SW-846 8260B 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
Hexachlorobutadiene	<0.00500	0.0500	0.0484	97	0.0500	0.0477	95	1	75-125	20	
isopropylbenzene	<0.00500	0.0500	0.0532	106	0.0500	0.0508	102	5	75-125	20	
m,p-Xylenes	<0.0100	0.100	0.107	107	0.100	0.104	104	3	75-125	20	
Methylene Chloride	<0.00500	0.0500	0.0515	103	0.0500	0.0504	101	2	75-125	35	
MTBE	<0.00500	0.100	0.105	105	0.100	0.109	109	4	75-125	20	
Naphthalene	<0.0100	0.0500	0.0500	100	0.0500	0.0559	112	11	65-135	20	
n-Butylbenzene	<0.00500	0.0500	0.0514	103	0.0500	0.0500	100	3	75-125	20	
n-Propylbenzene	<0.00500	0.0500	0.0558	112	0.0500	0.0548	110	2	75-125	20	
o-Xylene	<0.00500	0.0500	0.0542	108	0.0500	0.0531	106	2	75-125	20	
p-Cymene (p-Isopropyltoluene)	<0.00500	0.0500	0.0573	115	0.0500	0.0547	109	5	75-125	20	
Sec-Butylbenzene	<0.00500	0.0500	0.0535	107	0.0500	0.0520	104	3	75-125	20	
Styrene	<0.00500	0.0500	0.0520	104	0.0500	0.0511	102	2	60-130	51	
tert-Butylbenzene	<0.00500	0.0500	0.0561	112	0.0500	0.0539	108	4	75-125	20	
Tetrachloroethylene	<0.00500	0.0500	0.0530	106	0.0500	0.0504	101	5	60-130	20	
Toluene	<0.00500	0.0500	0.0497	99	0.0500	0.0478	96	4	59-139	21	
trans-1,2-dichloroethene	<0.00500	0.0500	0.0565	113	0.0500	0.0551	110	3	60-130	20	
trans-1,3-dichloropropene	<0.00500	0.0500	0.0425	85	0.0500	0.0442	88	4	66-125	20	
Trichloroethene	<0.00500	0.0500	0.0545	109	0.0500	0.0532	106	2	62-137	24	
Trichlorofluoromethane	<0.00500	0.0500	0.0662	132	0.0500	0.0630	126	5	67-125	20	H
Vinyl Chloride	<0.00200	0.0500	0.0499	100	0.0500	0.0466	93	7	75-125	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

XENCO Laboratories

Form 3 - MS Recoveries

Project Name: House Compressor Station

Work Order #: 428605
Lab Batch #: 871619
Project ID:
Date Analyzed: 10/04/2011
Date Prepared: 10/04/2011
Analyst: BRB
QC- Sample ID: 428605-001 S
Batch #: 1
Matrix: Water
Reporting Units: mg/L

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	287	250	529	97	80-120	

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

BRL - Below Reporting Limit

Form 3 - MS / MSD Recoveries

Project Name: House Compressor Station

Work Order # : 428605 **Project ID:**

Lab Batch ID: 872310 **QC- Sample ID:** 428612-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 10/13/2011 **Date Prepared:** 10/06/2011 **Analyst:** AMB

Reporting Units: mg/L

ICP-MS Metals by SW 6020A 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
Aluminum	<0.0100	1.00	0.830	83	1.00	0.833	83	0	75-125	25	
Boron	0.267	0.200	0.489	111	0.200	0.492	113	1	75-125	25	
Cobalt	<0.00500	0.200	0.182	91	0.200	0.185	93	2	75-125	25	
Copper	0.00757	0.200	0.188	90	0.200	0.191	92	2	75-125	25	
Iron	<0.150	1.00	0.935	94	1.00	0.949	95	1	75-125	25	
Manganese	0.00468	0.200	0.190	93	0.200	0.192	94	1	75-125	25	
Molybdenum	0.00498	0.200	0.209	102	0.200	0.215	105	3	75-125	25	
Nickel	<0.00500	0.200	0.182	91	0.200	0.184	92	1	75-125	25	
Zinc	0.612	0.200	0.747	68	0.200	0.740	64	1	75-125	25	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

Final 1.000

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: House Compressor Station

Work Order # : 428605 **Project ID:**

Lab Batch ID: 871684 **QC- Sample ID:** 428104-009 S **Batch #:** 1 **Matrix:** Ground Water

Date Analyzed: 10/03/2011 **Date Prepared:** 10/03/2011 **Analyst:** CYE

Reporting Units: mg/L

	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
VOAs by SW-846 8260B **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**
1,1,1,2-Tetrachloroethane	<0.00500	0.0500	0.0659	132	0.0500	0.0549	110	18	75-125	20	X
1,1,1-Trichloroethane	<0.00500	0.0500	0.0713	143	0.0500	0.0597	119	18	75-125	20	X
1,1,2,2-Tetrachloroethane	<0.00500	0.0500	0.0502	100	0.0500	0.0438	88	14	50-130	31	
1,1,2-Trichloroethane	<0.00500	0.0500	0.0522	104	0.0500	0.0444	89	16	75-127	20	
1,1-Dichloroethane	<0.00500	0.0500	0.0632	126	0.0500	0.0531	106	17	60-130	20	
1,1-Dichloroethene	<0.00500	0.0500	0.0689	138	0.0500	0.0571	114	19	59-172	22	
1,1-Dichloropropene	<0.00500	0.0500	0.0659	132	0.0500	0.0556	111	17	75-125	20	X
1,2,3-Trichlorobenzene	<0.00500	0.0500	0.0564	113	0.0500	0.0498	100	12	75-137	20	
1,2,3-Trichloropropane	<0.00500	0.0500	0.0574	115	0.0500	0.0509	102	12	75-125	20	
1,2,4-Trichlorobenzene	<0.00500	0.0500	0.0570	114	0.0500	0.0503	101	12	75-135	20	
1,2,4-Trimethylbenzene	<0.00500	0.0500	0.0643	129	0.0500	0.0531	106	19	75-125	20	X
1,2-Dibromo-3-Chloropropane	<0.00500	0.0500	0.0475	95	0.0500	0.0423	85	12	59-125	28	
1,2-Dibromoethane	<0.00500	0.0500	0.0558	112	0.0500	0.0490	98	13	73-125	20	
1,2-Dichlorobenzene	<0.00500	0.0500	0.0626	125	0.0500	0.0543	109	14	75-125	20	
1,2-Dichloroethane	<0.00500	0.0500	0.0616	123	0.0500	0.0520	104	17	68-127	20	
1,2-Dichloropropane	<0.00500	0.0500	0.0523	105	0.0500	0.0453	91	14	74-125	20	
1,3,5-Trimethylbenzene	<0.00500	0.0500	0.0645	129	0.0500	0.0533	107	19	70-125	20	X
1,3-Dichlorobenzene	<0.00500	0.0500	0.0670	134	0.0500	0.0562	112	18	75-125	20	X
1,3-Dichloropropane	<0.00500	0.0500	0.0519	104	0.0500	0.0454	91	13	75-125	20	
1,4-Dichlorobenzene	<0.00500	0.0500	0.0652	130	0.0500	0.0554	111	16	75-125	20	X
2,2-Dichloropropane	<0.00500	0.0500	0.0684	137	0.0500	0.0568	114	19	60-140	20	
2-Chlorotoluene	<0.00500	0.0500	0.0663	133	0.0500	0.0557	111	17	73-125	20	X
4-Chlorotoluene	<0.00500	0.0500	0.0623	125	0.0500	0.0527	105	17	74-125	20	

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

Form 3 - MS/MSD Recoveries

Project Name: House Compressor Station

Work Order # : 428605 **Project ID:**

Lab Batch ID: 871684 **QC- Sample ID:** 428104-009 S **Batch #:** 1 **Matrix:** Ground Water

Date Analyzed: 10/03/2011 **Date Prepared:** 10/03/2011 **Analyst:** CYE

Reporting Units: mg/L

VOAs by SW-846 8260B 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	<0.00500	0.0500	0.0565	113	0.0500	0.0476	95	17	66-142	21	
Bromobenzene	<0.00500	0.0500	0.0602	120	0.0500	0.0511	102	16	60-130	20	
Bromochloromethane	<0.00500	0.0500	0.0685	137	0.0500	0.0554	111	21	73-125	20	XF
Bromodichloromethane	<0.00500	0.0500	0.0640	128	0.0500	0.0523	105	20	75-125	20	X
Bromoform	<0.00500	0.0500	0.0580	116	0.0500	0.0484	97	18	75-125	20	
Bromomethane	<0.00500	0.0500	0.0524	105	0.0500	0.0498	100	5	70-130	20	
Carbon Tetrachloride	<0.00500	0.0500	0.0759	152	0.0500	0.0629	126	19	62-125	20	X
Chlorobenzene	<0.00500	0.0500	0.0613	123	0.0500	0.0520	104	16	60-133	21	
Chloroethane	<0.0100	0.0500	0.0472	94	0.0500	0.0463	93	2	70-130	20	
Chloroform	<0.00500	0.0500	0.0649	130	0.0500	0.0537	107	19	74-125	20	X
Chloromethane	<0.0100	0.0500	0.0426	85	0.0500	0.0415	83	3	70-130	20	
cis-1,2-Dichloroethene	<0.00500	0.0500	0.0633	127	0.0500	0.0529	106	18	60-130	20	
cis-1,3-Dichloropropene	<0.00500	0.0500	0.0537	107	0.0500	0.0449	90	18	60-140	20	
Dibromochloromethane	<0.00500	0.0500	0.0620	124	0.0500	0.0519	104	18	60-130	20	
Dibromomethane	<0.00500	0.0500	0.0581	116	0.0500	0.0483	97	18	69-127	23	
Dichlorodifluoromethane	<0.00500	0.0500	0.0505	101	0.0500	0.0491	98	3	70-130	23	
Ethylbenzene	<0.00500	0.0500	0.0600	120	0.0500	0.0507	101	17	75-125	20	
Hexachlorobutadiene	<0.00500	0.0500	0.0599	120	0.0500	0.0522	104	14	75-125	20	
isopropylbenzene	<0.00500	0.0500	0.0619	124	0.0500	0.0530	106	15	75-125	20	
m,p-Xylenes	<0.0100	0.100	0.125	125	0.100	0.106	106	16	75-125	20	
Methylene Chloride	0.00765	0.0500	0.0663	117	0.0500	0.0559	97	17	75-125	35	
MTBE	<0.00500	0.100	0.104	104	0.100	0.101	101	3	75-125	20	
Naphthalene	<0.0100	0.0500	0.0603	121	0.0500	0.0537	107	12	65-135	20	

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

Final 1.000

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: House Compressor Station

Work Order # : 428605 **Project ID:**

Lab Batch ID: 871684 **QC- Sample ID:** 428104-009 S **Batch #:** 1 **Matrix:** Ground Water

Date Analyzed: 10/03/2011 **Date Prepared:** 10/03/2011 **Analyst:** CYE

Reporting Units: mg/L

VOAs by SW-846 8260B 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
n-Butylbenzene	<0.00500	0.0500	0.0622	124	0.0500	0.0526	105	17	75-125	20	
n-Propylbenzene	<0.00500	0.0500	0.0671	134	0.0500	0.0566	113	17	75-125	20	X
o-Xylene	<0.00500	0.0500	0.0636	127	0.0500	0.0532	106	18	75-125	20	X
p-Cymene (p-Isopropyltoluene)	<0.00500	0.0500	0.0675	135	0.0500	0.0575	115	16	75-125	20	X
Sec-Butylbenzene	<0.00500	0.0500	0.0648	130	0.0500	0.0550	110	16	75-125	20	X
Styrene	<0.00500	0.0500	0.0580	116	0.0500	0.0468	94	21	60-130	51	
tert-Butylbenzene	<0.00500	0.0500	0.0668	134	0.0500	0.0559	112	18	75-125	20	X
Tetrachloroethylene	<0.00500	0.0500	0.0635	127	0.0500	0.0555	111	13	60-130	20	
Toluene	<0.00500	0.0500	0.0577	115	0.0500	0.0488	98	17	59-139	21	
trans-1,2-dichloroethene	<0.00500	0.0500	0.0665	133	0.0500	0.0556	111	18	60-130	20	X
trans-1,3-dichloropropene	<0.00500	0.0500	0.0494	99	0.0500	0.0413	83	18	66-125	20	
Trichloroethene	<0.00500	0.0500	0.0647	129	0.0500	0.0545	109	17	62-137	24	
Trichlorofluoromethane	<0.00500	0.0500	0.0656	131	0.0500	0.0672	134	2	67-125	20	X
Vinyl Chloride	<0.00200	0.0500	0.0489	98	0.0500	0.0503	101	3	75-125	20	

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: House Compressor Station

Work Order #: 428605

Lab Batch #: 871619 **Project ID:**

Date Analyzed: 10/04/2011 17:49 **Date Prepared:** 10/04/2011 **Analyst:** BRB

QC- Sample ID: 428605-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Anions by E300	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	287	286	0	20	

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

Xenco Laboratories

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Ben J. Arguijo
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: [signature]
e-mail: bjarguijo@basinenv.com

Project Name: House Compressor Station
Project #:
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 428605

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. 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)	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~~ Metals	Volatiles 8260	Semivolatiles	~~BTEX 8021B/5030 or BTEX 8260~~ 8/08	CHLORIDES	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT 4 DAY
01	MW-1			9/28/2011	1050		5	X	X	X						GW						X	X		~~X~~	X		X
02	MW-2			9/28/2011	1015		5	X	X	X						GW						X	X		~~X~~	X		X
	~~MW-3~~			~~9/28/2011~~				X		X						GW									~~X~~			X 9/08
	~~MW-4~~			~~9/28/2011~~				X		X						GW									~~X~~ 9/08			X BJA

Special Instructions: NMWQCC Metals

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	9/28/11	1525	[signature]	9/28/11	1525
[signature]	9/28/11	0846			
			Received by ELOT: S. Hernandez	9/29/11	8:46

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

XENCO Laboratories	XENCO Laboratories Atlanta, Boca Raton, Corpus Christi, Dallas Houston, Miami, Odessa, Philadelphia Phoenix, San Antonio, Tampa	Document Title: Sample Receipt Checklist Document No.: SYS-SRC Revision/Date: No. 01, 5/27/2010 Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Southern Union Gas

Date/Time: 9/29/11 8:46

Lab ID # : 428605

Initials: AH

Sample Receipt Checklist

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

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	1.5 °C	lbs	°C	lbs	°C	lbs	°C	lbs	°C

Nonconformance Documentation

Contact:_____ Contacted by:_____ Date/Time:_____

Regarding: _____

_____

Corrective Action Taken: _____

_____

_____

_____

Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.

☐ Initial and Backup Temperature confirm out of temperature conditions

☐ Client understands and would like to proceed with analysis

Analytical Report 433033

for

Southern Union Gas Services- Monahans

Project Manager: Rose Slade

House Compressor Station

20-DEC-11

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)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories

20-DEC-11

Project Manager: **Rose Slade**
Southern Union Gas Services- Monahans
1507 W. 15th Street
Monahans, TX 79756

Reference: XENCO Report No: **433033**
House Compressor Station
Project Address: Lea County, NM

Rose Slade:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 433033. 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. 433033 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

XENCO Laboratories

Sample Cross Reference 433033

Southern Union Gas Services- Monahans, Monahans, TX

House Compressor Station

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	12-01-11 10:25		433033-001
MW-2	W	12-01-11 10:55		433033-002

CASE NARRATIVE

XENCO Laboratories

Client Name: Southern Union Gas Services- Monahans
Project Name: House Compressor Station

Project ID:
Work Order Number: 433033

Report Date: 20-DEC-11
Date Received: 12/09/2011

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 433033

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: House Compressor Station

Project Id:
Contact: Rose Slade
Project Location: Lea County, NM

Date Received in Lab: Fri Dec-09-11 12:30 pm
Report Date: 20-DEC-11
Project Manager: Brent Barron II

Analysis Requested							
	Lab Id:	433033-001		433033-002			
	Field Id:	MW-1		MW-2			
	Depth:						
	Matrix:	WATER		WATER			
	Sampled:	Dec-01-11 10:25		Dec-01-11 10:55			
Anions by E300	***Extracted:***						
	Analyzed:	Dec-14-11 12:18		Dec-14-11 12:18			
	Units/RL:	mg/L	RL	mg/L	RL		
Chloride		312	12.5	247	12.5		
BTEX by EPA 8021B	***Extracted:***	Dec-09-11 15:45		Dec-09-11 15:45			
	Analyzed:	Dec-10-11 07:30		Dec-10-11 07:53			
	Units/RL:	mg/L	RL	mg/L	RL		
Benzene		ND	0.00100	ND	0.00100		
Toluene		ND	0.00200	ND	0.00200		
Ethylbenzene		ND	0.00100	ND	0.00100		
m_p-Xylenes		ND	0.00200	ND	0.00200		
o-Xylene		ND	0.00100	ND	0.00100		
Total Xylenes		ND	0.00100	ND	0.00100		
Total BTEX		ND	0.00100	ND	0.00100		

Brent Barron II
Odessa Laboratory 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

+ Outside XENCO's scope of NELAC Accreditation. ^ NELAC or State program does not offer Accreditation at this time.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: House Compressor Station

rk Orders : 433033,

Project ID:

Lab Batch #: 876848 **Sample:** 433033-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12/10/11 07:30

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0285	0.0300	95	80-120	
4-Bromofluorobenzene	0.0276	0.0300	92	80-120	

Lab Batch #: 876848 **Sample:** 433033-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12/10/11 07:53

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0301	0.0300	100	80-120	
4-Bromofluorobenzene	0.0258	0.0300	86	80-120	

Lab Batch #: 876848 **Sample:** 615303-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12/10/11 05:17

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
,4-Difluorobenzene	0.0280	0.0300	93	80-120	
4-Bromofluorobenzene	0.0266	0.0300	89	80-120	

Lab Batch #: 876848 **Sample:** 615303-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12/10/11 03:47

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0299	0.0300	100	80-120	
4-Bromofluorobenzene	0.0280	0.0300	93	80-120	

Lab Batch #: 876848 **Sample:** 615303-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12/10/11 04:09

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	0.0261	0.0300	87	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

Form 2 - Surrogate Recoveries

Project Name: House Compressor Station

Work Orders : 433033,

Project ID:

Lab Batch #: 876848 **Sample:** 433031-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12/10/11 09:44

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0280	0.0300	93	80-120	
4-Bromofluorobenzene	0.0263	0.0300	88	80-120	

Lab Batch #: 876848 **Sample:** 433031-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12/10/11 10:06

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0301	0.0300	100	80-120	
4-Bromofluorobenzene	0.0275	0.0300	92	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.

BS / BSD Recoveries

Project Name: House Compressor Station

Work Order #: 433033 **Project ID:**

Analyst: ASA **Date Prepared:** 12/09/2011 **Date Analyzed:** 12/10/2011

Lab Batch ID: 876848 **Sample:** 615303-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

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	0.116	116	0.100	0.112	112	4	70-125	25	
Toluene	<0.00200	0.100	0.115	115	0.100	0.112	112	3	70-125	25	
Ethylbenzene	<0.00100	0.100	0.118	118	0.100	0.118	118	0	71-129	25	
m_p-Xylenes	<0.00200	0.200	0.228	114	0.200	0.229	115	0	70-131	25	
o-Xylene	<0.00100	0.100	0.115	115	0.100	0.115	115	0	71-133	25	

Analyst: BRB **Date Prepared:** 12/14/2011 **Date Analyzed:** 12/14/2011

Lab Batch ID: 877276 **Sample:** 877276-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Anions by E300 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	<0.500	10.0	10.9	109	10.0	11.0	110	1	80-120	20	

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

XENCO Laboratories

Form 3 - MS Recoveries

Project Name: House Compressor Station

Work Order #: 433033
Lab Batch #: 877276
Date Analyzed: 12/14/2011
QC- Sample ID: 433232-001 S
Reporting Units: mg/L

Date Prepared: 12/14/2011
Batch #: 1

Project ID:
Analyst: BRB
Matrix: Water

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	82.0	200	285	102	80-120	

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

BRL - Below Reporting Limit

Form 3 - MS/MSD Recoveries

Project Name: House Compressor Station

Work Order # : 433033 **Project ID:**

Lab Batch ID: 876848 **QC- Sample ID:** 433031-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 12/10/2011 **Date Prepared:** 12/09/2011 **Analyst:** ASA

Reporting Units: mg/L

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	<0.00100	0.100	0.105	105	0.100	0.110	110	5	70-125	25	
Toluene	<0.00200	0.100	0.105	105	0.100	0.110	110	5	70-125	25	
Ethylbenzene	<0.00100	0.100	0.109	109	0.100	0.114	114	4	71-129	25	
m_p-Xylenes	<0.00200	0.200	0.210	105	0.200	0.223	112	6	70-131	25	
o-Xylene	<0.00100	0.100	0.105	105	0.100	0.112	112	6	71-133	25	

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

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

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

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: House Compressor Station

Work Order #: 433033

Lab Batch #: 877276 **Project ID:**

Date Analyzed: 12/14/2011 12:18 **Date Prepared:** 12/14/2011 **Analyst:** BRB

QC- Sample ID: 433232-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Anions by E300 **Analyte**	**Parent Sample Result [A]**	**Sample Duplicate Result [B]**	**RPD**	**Control Limits %RPD**	**Flag**
Chloride	82.0	83.6	2	20	

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

Xenco Laboratories

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Ben J. Arguijo

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: Miguel Rennay e-mail: bjarguijo@basinenv.com

Project Name: House Compressor Station

Project #:

Project Loc: Lea County, NM

PO #:

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

(lab use only)

ORDER #: 433033

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice 250ml poly	HNO3	HCl 40ml VOA	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: 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	CHLORIDES	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT 4 DAY
01	MW-1			12/1/2011	1025		4	X		X						GW								X	X		X
02	MW-2			12/1/2011	1055		4	X		X						GW								X	X		X

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Miguel Rennay	12/9/11	1230			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT: Andrea Elam	Date 12-9-11	Time 12:30

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 by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 0 °C

Prelogin / Nonconformance Report - Sample Log-In

Client: Basin Env.
Date/Time: 12.9.11 12:30
Lab ID #: 433053
Initials: AE

Sample Receipt Checklist

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

18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs 0 °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that apply:
- ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
- ☐ Initial and Backup Temperature confirm out of temperature conditions
- ☐ Client understands and would like to proceed with analysis