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

State of New Mexico Energy Minerals and Natural Resources

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

Form C-141

OCT 2 1 2010 Revised October 10, 2003

Submit 2 Copies to appropriate
HOBBSOOM accordance
with Rule 116 on back
side of form

			Rele	ease Notific	catio	n and Co	orrective A	ction				
						OPERA	ГOR	[Initia	al Report		Final Report
Name of Co	mpany	South	ern Unio	n Gas Services,	Ltd.	Contact						Rose Slade
Address		P.C	D. Box 12	26 Jal, N.M. 8	8252	Telephone 1	No.		432-940-514			32-940-5147
Facility Nar	ne		She	pard #2		Facility Typ	Facility Type Natural Gas Gather					
Surface Ow	ner: Jav A	nthony		Mineral C)wner:	State of Nev	te of New Mexico API No. 30-025-22033					•
Surrace 5 II	nor. Juj 11			· · · · · · · · · · · · · · · · · · ·					7111110	. 50 025		822
				LOCA	ATIO	N OF RE	LEASE				-> C	822
Unit Letter P	Section 36	Township 25S	Range 36E	Feet from the	Nortl	h/South Line	Feet from the	East/W	est Line	County	I	Lea
		•				Longitude	W103 12.659)				
Type of Rele	ace · Natur	al Gas		IVAI	UKL	· · · · · · · · · · · · · · · · · · ·	Release: Unkno	w/n	Volume I	Recovered	Nor	
Type of Release : Natural Gas Source of Release : 4" Natural Gas Pipeline				Hour of Occurrence Date and Hour of Discovery								
Was Immedi	ate Notice (Yes [No Not R	equired	If YES, To	Whom?	<u> </u>				
By Whom?						Date and I	lour:					
Was a Water	course Read	ched?	Yes 🗵] No		If YES, Volume Impacting the Watercourse.						
If a Watercou	ırse was Im	pacted, Descr	ibe Fully.	k								
A 4-inch na 5 years, the	tural gas p areas were	ipeline had a impacted se	a release j everal yea	Action Taken.* prior to Souther ars prior to plac andowner and the	ing the	line out of s	ervice.				• •	proximately
				ten. An area meas								
				e a root bearing z								
regulations al public health should their cor the environ	Il operators or the envi- operations hament. In a	are required to ronment. The lave failed to a	o report ar acceptant adequately OCD accep	e is true and comp nd/or file certain rece of a C-141 report investigate and retance of a C-141	elease ort by the emedia	notifications a he NMOCD m te contaminati	nd perform correct arked as "Final R on that pose a thr	ctive action eport" do reat to gro	ons for releases not release not release to the contract of th	eases which leve the op- r, surface w	h may e erator c vater, hi	endanger of liability uman health

* Attach Additional Sheets If Necessary

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

Title: EHS Compliance Specialist

Rose L. Slade

Signature:

Printed Name:

Date: 10/13/2010

PCOHO 813642587

1RP-186Z

Attached

OIL CONSERVATION DIVISION

Expiration Date:

ENVIRONMENTAL ENGINEER

Approved by District Supervisor

Approval Date: 10.21.10

Conditions of Approval:

Phone: 432-940-5147

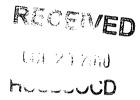


1507 W. 15th Monahans, Texas 79756

432.943.1100 Fax: 432.943.1101

October 13, 2010

Mr. Larry Johnson New Mexico Oil Conservation Division Hobbs District Office 1625 N. French Drive Hobbs, New Mexico 88240



Re: Shepard #2 (1RP-1862)

Mr. Johnson,

On May 21, 2008, Ocotillo Environmental, LLC (Ocotillo), on behalf of Southern Union Gas Services (SUG) completed the delineation and remediation of a historical release occurring on a four (4) inch natural gas pipeline. The release was located in Unit Letter "P", Section 36, Township 25 South and Range 36 East in rural Lea County, New Mexico. The release GPS coordinates were 32° 04.987' N, 103° 12.659' W and the property is owned by Mr. Jay Anthony. A site location map is attached for your reference. The release was discovered by the landowner on July 22, 2004, occurring on a natural gas pipeline which had been idle for several years prior to the discovery of the release. The volume of the release is unknown, with no recovery. On May 14, 2008, an initial C-141 was prepared and submitted to the New Mexico Oil Conservation Division (NMOCD) for approval. The initial C-141 is attached for your reference.

A water well is located approximately 2,845 feet north (up gradient) of the release. Available data indicates groundwater was encountered at approximately 186 feet below ground surface (bgs). The nearest water course is approximately 3.48 miles to the west of the release. Based on the NMOCD ranking classification, the release site score is zero (0). A release site with a ranking score of zero (0) requires the following NMOCD cleanup levels:

Benzene: 10 mg/Kg BTEX: 50 mg/Kg TPH: 5,000 mg/Kg Chloride: 250 mg/Kg

On May 13, 2008, excavation of the release began; impacted soil was stockpiled adjacent to the release, pending transportation to the SUG Landfarm (NM2-19-0). The final dimensions of excavation were approximately twenty (20) feet in width by twenty-five (25) feet in length

and eight (8) feet bgs. On May 15, 2008, following the excavation activities, two (2) soil samples (P.R. @ 8' and B-Comp) were collected and submitted to the laboratory. A site map is attached and depicts the locations of the collected soil samples. The soil samples were analyzed for concentrations of total petroleum hydrocarbons (TPH) using EPA Method SW-846 8015M and chloride using EPA 300.1. The analytical results indicated chloride concentrations were less than laboratory method detection limit (MDL) for both soil samples. Total petroleum hydrocarbons were less than the laboratory MDL for both soil samples. Soil sample P.R. @ 8' was analyzed for concentrations of benzene, toluene, ethyl benzene and xylene (BTEX) using EPA Method 8021b. The analytical results indicate benzene and BTEX concentrations were less than the appropriate laboratory MDL. Concentrations of Benzene, BTEX, TPH and Chloride are summarized on the attached table. The laboratory analytical reports are attached for your reference.

Following the collection of the soil samples, the excavation was backfilled with non-impacted soil purchased from the landowner. The backfilled soil was contoured to fit the surrounding topography. Approximately eighty-four (84) cubic yards (cy) of excavated soil was transported to the SUG Landfarm.

Based on the analytical results, Southern Union Gas Services requests NMOCD Site Closure for the Shepard #2 release. Attached to this letter are: photographs, laboratory analytical reports, a site location map, a site map and the Initial and Final C-141.

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL SOUTHERN UNION GAS SERVICES SHEPARD #2 LEA COUNTY, NEW MEXICO

				METHOD: EPA SW 846-8021B, 5030				METHOD: 8015M				METHOD: E300		
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	M.P XYLENES (mg/Kg)	O- XYLENE (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)	TOTAL TPH C6-C35 (mg/Kg)	CHLORIDE (mg/Kg)
P.R. @ 8'	8 ft bgs	05/15/08	In-Situ	< 0.0011	< 0.0023	< 0.0011	< 0.0023	< 0.0011	< 0.0023	<16.9	<16.9	<16.9	<16.9	<20.0
B-Comp	2 - 8 ft bgs	05/15/08	In-Situ	-	-	-	-	-	-	<15.8	<15.8	<15.8	<15.8	<10.0



Photo 1



Photo 2

Southern Union Gas Services Site: Sheperd #2 Job # 2008-010 Site Assessment 5/5/08

Analytical Report 303938

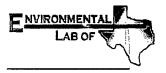
for

Southern Union Gas Services-Jal

Project Manager: Tony Savoie

Sheperd # 2 2008-010

20-MAY-08



12600 West I-20 East Odessa, Texas 79765

Texas certification numbers: Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers: Norcross(Atlanta), GA 98015

North Carolina certification numbers: Norcross(Atlanta), GA 483

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20-MAY-08

Project Manager: Tony Savoie
Southern Union Gas Services-Jal
610 Commerce

610 Commerce Jal, NM 88252

Reference: XENCO Report No: 303938

Sheperd # 2

Project Address: J. Anthony Ranch

Tony Savoie:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 303938. 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. 303938 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 303938



Southern Union Gas Services-Jal, Jal, NM

Sheperd # 2

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
P.R. @ 8'	S	May-15-08 11:30	0 - 8 ft	303938-001
B-Comp.	S	May-15-08 11:30	2 - 8 ft	303938-002



Certificate of Analysis Summary 303938

Southern Union Gas Services-Jal, Jal, NM Project Name: Sheperd #2

Project ld: 2008-010

Contact: Tony Savoie

Project Location: J. Anthony Ranch

Date Received in Lab: Thu May-15-08 02:30 pm

Report Date: 20-MAY-08

						 Project Manager:	Brent Barron, II	
	Lab ld:	303938-0	01	303938-0	002			
Au - Lucia Bagu acted	Field M:	P.R. @	3'	B-Com	р.			
Analysis Requested	Depth:	0-8 ft		2-8 ft				
	Matrix:	SOIL		SOIL				
	Sampled:	May-15-08	11:30	May-15-08	11:30			
BTEX by EPA 8021B	Extracted:	May-16-08	14:30					
	Analyzed:	May-16-08	19:11					
· .	Units/RL:	mg/kg	RL					
Benzene		ND	0.0011					
Toluene		ND	0.0023					
Ethylbenzene		ND	0.0011					
m,p-Xylenes		ND	0.0023					
o-Xylene		ND	0.0011					
Total Xylenes		ND						
Total BTEX		ND						
Inorganic Anions by EPA 300	Extracted:							
<u></u>	Analyzed:	May-16-08	9:05	May-16-08	09:05			
	Units/RL:	mg/kg	RL	mg/kg	RL			
Chloride		ND	20.0	ND	10.0			
Percent Moisture	Extracted:							
Toront Monstare	Analyzed:	May-15-08	15:40	May-15-08	15:40			
	Units/RL:	%	RL	%	RL			
Percent Moisture		11.3		4.82				
TPH by SW8015 Mod	Extracted:	May-16-08	09:50	May-16-08	09:50			
11 II by 5 Wool5 Mou	Analyzed:	May-17-08	11:12	May-17-08	11:39			
	Units/RL:	mg/kg	RL	mg/kg	RL			
C6-C12 Gasoline Range Hydrocarbons		ND	16.9	ND	15.8			
C12-C28 Diesel Range Hydrocarbons		ND	16.9	ND	15.8			
C28-C35 Oil Range Hydrocarbons		ND	16.9	ND	15.8			
Total TPH		ND		ND				

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

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Brent Barron
Odessa Laboratory Director

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 effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- **K** Sample analyzed outside of recommended hold time.
- * Outside XENCO'S scope of NELAC Accreditation

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5332 Blackberry Drive, Suite 104, San Antonio, TX 78238	(210) 509-3334	(210) 509-3335
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2505 N. Falkenburg Rd., Tampa, FL 33619 5757 NW 158th St, Miami Lakes, FL 33014	(813) 620-2000 (305) 823-8500	(813) 620-203 (305) 823-855



Form 2 - Surrogate Recoveries

Project Name: Sheperd # 2



Work Order #: 303938

Lab Batch #: 722988

Sample: 303938-001 / SMP

Project ID: 2008-010

Matrix: Soil Batch: Linite mø/kø SUDDOCATE DECOVEDY STUDY

Umts: mg/kg	Su	SURROGATE RECOVERT STUDI							
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags				
Analytes			[D]						
1,4-Difluorobenzene	0.0336	0.0300	112	80-120					
4-Bromofluorobenzene	0.0309	0.0300	103	80-120					

Lab Batch #: 722988

Sample: 303973-020 S / MS

Batch: 1

Matrix: Soil

Units: mg/kg SURROGATE RECOVERY STUDY Amount Control BTEX by EPA 8021B Recovery Limits Flags Found Amount [A][B] %R %R [D] **Analytes** 1,4-Difluorobenzene 0.0325 0.0300 108 80-120 4-Bromofluorobenzene 0.0427 0.0300 142 80-120

Lab Batch #: 722988

Sample: 303973-020 SD / MSD

Batch:

1

Matrix: Soil

Units: mg/kg	SU	SURROGATE RECOVERY STUDY							
BTEX by EPA 8021B	Amount Found A	True Amount [B]	Recovery %R	Control Limits %R	Flags				
Analytes			[D]						
1,4-Difluorobenzene	0.0326	0.0300	109	80-120					
4-Bromofluorobenzene	0.0503	0.0300	168	80-120	**				

Lab Batch #: 722988

Sample: 509231-1-BKS / BKS

Batch: 1

Matrix: Solid

Units: mg/kg	SU	SURROGATE RECOVERY STUDY							
BTEX by EPA 8021B	Amount Found A	True Amount [B]	Recovery %R	Control Limits %R	Flags				
Analytes		. ,	[D]						
1,4-Difluorobenzene	0.0280	0.0300	93	80-120					
4-Bromofluorobenzene	0.0325	0.0300	108	80-120					

Lab Batch #: 722988

Sample: 509231-1-BLK / BLK

Batch:

Matrix: Solid

Units: mg/kg	SURROGATE RECOVERY STUDY							
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags			
Analytes			[D]					
1,4-Difluorobenzene	0.0346	0.0300	115	80-120	_			
4-Bromofluorobenzene	0.0295	0.0300	98	80-120				

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

Surrogate Recovery [D] = 100 * A / B

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

^{***} Poor recoveries due to dilution



Form 2 - Surrogate Recoveries

Project Name: Sheperd # 2



Work Order #: 303938

Lab Batch #: 722988

Sample: 509231-1-BSD / BSD

Project ID: 2008-010

Matrix: Solid Batch:

Units: mg/kg	SURROGATE RECOVERY STUDY								
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags				
Analytes			[D]						
1,4-Difluorobenzene	0.0283	0.0300	94	80-120					
4-Bromofluorobenzene	0.0322	0.0300	107	80-120					

Lab Batch #: 722980

Sample: 303938-001 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg	SURROGATE RECOVERY STUDY							
TPH by SW8015 Mod	Amount Found [A]	True Amount -{B	Recovery %R	Control Limits %R	Flags			
Analytes	1-1	[0]	[D]	/ / /				
1-Chlorooctane	85.4	100	85	70-135				
o-Terphenyl	46.0	50.0	92	70-135				

Lab Batch #: 722980

Sample: 303938-001 S / MS

Batch:

Matrix: Soil

Units: mg/kg	SURROGATE RECOVERY STUDY							
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags			
Analytes			[D]					
1-Chlorooctane	83.3	100	83	70-135				
o-Terphenyl	45.0	50.0	90	70-135				

Lab Batch #: 722980

Sample: 303938-001 SD / MSD

Batch:

Matrix: Soil

Units: mg/kg	SURROGATE RECOVERY STUDY									
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags					
Analytes		,-,	[D]							
1-Chlorooctane	88.3	100	88	70-135						
o-Terphenyl	47.0	50.0	94	70-135						

Lab Batch #: 722980

Sample: 303938-002 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg	SU	RROGATE R	ECOVERY	STUDY	
TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount B	Recovery %R D	Control Limits %R	Flags
1-Chlorooctane	84.3	100	84	70-135	
o-Terphenyl	45.5	50.0	91	70-135	

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

Surrogate Recovery [D] = 100 * A / B

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

^{***} Poor recoveries due to dilution



Form 2 - Surrogate Recoveries

Project Name: Sheperd # 2



Work Order #: 303938

Lab Batch #: 722980

Sample: 509228-1-BKS / BKS

Project ID: 2008-010

1 Matrix: Solid

Units: mg/kg SURROGATE RECOVERY STUDY

Ollies. ing kg	30	KKOGATE KI	ECOVERT	31001	
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes	11	1-1	[D]		
1-Chlorooctane	98.1	100	98	70-135	
o-Terphenyl	53.5	50.0	107	70-135	

Lab Batch #: 722980

Sample: 509228-1-BLK / BLK

Batch: 1 Matrix: Solid

Batch: 1

Units: mg/kg SURROGATE RECOVERY STUDY Amount True Control TPH by SW8015 Mod Found Recovery Amount Limits Flags [A][B] %R %R [D]Analytes 1-Chlorooctane 87.0 100 87 70-135 o-Terphenyl 47.3 50.0 95 70-135

Lab Batch #: 722980

Sample: 509228-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg SURROGATE RECOVERY STUDY Amount True Control TPH by SW8015 Mod Amount Recovery Found Limits **Flags** [A] [B] %R %R $|\mathbf{D}|$ Analytes 1-Chlorooctane 102 100 102 70-135 o-Terphenyl 54.0 50.0 108 70-135

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.



Blank Spike Recovery



Project Name: Sheperd # 2

Work Order #: 303938

Project ID:

2008-010

Lab Batch #: 722874

Sample: 722874-1-BKS

Matrix: Solid

Date Analyzed: 05/16/2008

Date Prepared: 05/16/2008

Analyst: LATCOR

Reporting Units: mg/kg

Bate	ch #:	1	BLANK/I	BLANK SPI	KE REC	OVERY S	TUDY
	Rlar	ık	Snike	Rlank	Blank	Control	

Inorganic Anions by EPA 300	Blank Result [A]	Spike Added [B]	Blank Spike Result	Blank Spike %R	Control Limits %R	Flags
Analytes	[2]	161	[C]	[D]	/6K	
Chloride	ND	10.0	8.94	89	75-125	



BS / BSD Recoveries



Project Name: Sheperd # 2

Work Order #: 303938

Analyst: SHE

Date Prepared: 05/16/2008

Project ID: 2008-010

Date Analyzed: 05/16/2008

Lab Batch ID: 722988

Sample: 509231-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes		[B]	[C]	[D]	[E]	Result [F]	[G]				
Benzene	ND	0.1000	0.0974	97	0.1	0.0977	98	0	70-130	35	_
Toluene	ND	0.1000	0.0989	99	0.1	0.0994	99	1	70-130	35	
Ethylbenzene	ND	0.1000	0.1080	108	0.1	0.1082	108	0	71-129	35	
m,p-Xylenes	ND	0.2000	0.2200	110	0.2	0.2202	110	0	70-135	35	
o-Xylene	ND	0.1000	0.1084	108	0.1	0.1091	109	1	71-133	35	

Analyst: ASA

Date Prepared: 05/16/2008

Date Analyzed: 05/17/2008

Lab Batch ID: 722980

Sample: 509228-1-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	ND	1000	1000	100	1000	1020	102	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	993	99	1000	1010	101	2	70-135	35	

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



Form 3 - MS Recoveries

Project Name: Sheperd # 2



Work Order #: 303938

Chloride

Lab Batch #: 722874

Date Analyzed: 05/16/2008

05/16/2008 Date Prepared:

1

400

Project ID: 2008-010

512

Analyst: LATCOR

75-125

QC- Sample ID: 303967-001 S Batch #: Matrix: Soil

82

Reporting Units: mg/kg Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY									
Inorganic Anions by EPA 300	Parent Sample Result	Spike Added	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag				
Analytes	[A]	{B}		• •						

185

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



Form 3 - MS / MSD Recoveries

Project Name: Sheperd # 2



Work Order #: 303938

Project ID: 2008-010

Lab Batch ID: 722988 **Date Analyzed: 05/17/2008**

QC- Sample ID: 303973-020 S

Batch #:

Matrix: Soil

Date Prepared: 05/16/2008

Analyst:

SHE

Reporting Units: mg/kg

Reporting Units: hig/kg		N	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
BTEX by EPA 8021B	Parent Sample	Spike	Spiked Sample Result	Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	Result [A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	
Benzene	ND	0.1038	0.0685	66	0.1038	0.0776	75	13	70-130	35	Х
Toluene	0.0054	0.1038	0.0593	52	0.1038	0.0657	58	11	70-130	35	Х
Ethylbenzene	0.0093	0.1038	0.0484	38	0.1038	0.0535	43	12	71-129	35	Х
m,p-Xylenes	0.0331	0.2076	0.1068	36	0.2076	0.1186	41	13	70-135	35	X
o-Xylene	0.0091	0.1038	0.0448	34	0.1038	0.0509	40	16	71-133	35	X

Lab Batch ID: 722980

QC- Sample ID: 303938-001 S

Batch #:

Matrix: Soil

Date Analyzed: 05/17/2008

Date Prepared: 05/16/2008

Analyst: ASA

Reporting Units: mg/kg		M	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY 9	STUDY		
TPH by SW8015 Mod	Parent Sample Result	Spike	Spiked Sample Result	Sample		Duplicate Spiked Sample	•	RPD	Control Limits	Control Limits	Flag
Analytes	[A]	Added [B]	ICI	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	
C6-C12 Gasoline Range Hydrocarbons	ND	1130	957	85	1130	1010	89	5	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1130	947	84	1130	999	88	5	70-135	35	



Sample Duplicate Recovery

Project Name: Sheperd # 2



Work Order #: 303938

Lab Batch #: 722874 Date Analyzed: 05/16/2008

Project ID: 2008-010

Date Prepared: 05/16/2008

Analyst: LATCOR

QC-Sample ID: 303967-001 D

Batch #:

Matrix: Soil

Reporting Units: mg/kg	SAMPLE /	SAMPLE	DUPLIC	ATE REC	OVERY
Inorganic Anions by EPA 300	Parent Sample Result [A]	Sample Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte		[B]		l	
Chloride	185	185	0	20	

Lab Batch #: 722892

Date Analyzed: 05/15/2008

Date Prepared: 05/15/2008

Analyst: WRU

QC- Sample ID: 303929-001 D

Batch #:

Matrix: Soil

Reporting Units: %	SAMPLE /	SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result B	RPD	Control Limits %RPD	Flag
Analyte		[6]			
Percent Moisture	15.7	16.7	6	20	

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Project Manager:	TONY SA	VOIE													Proj	ect l	Name	p:	54	É	25.0	ed	<u>'</u>	#2	۲_			
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(lab use only) ORDER #: 30293	ا م														山		_		TCLP.	$oxed{\Box}$	\dashv	\pm	-				17	
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(Aluco esta		Depth	thợ.	npled	npled		Ontginers							Nater St. Studye		Ž /	Į	SO4, Alkalinity)	ÇĘC C	Ag Ba Cd Cr		Surrent Or B					RUSH TAT (Pre-\$chedule)	Ā
SS CAN	CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	ield Filtered	rolal #. of Containers	HNO,		, S.	Ne.S.O.	None	Other (Specify)	DW-Darking Water	NP-Non-Potable	18.1	Calions (Ca Ma	Pojons (Ch.SO4.	SAR / ESP / CEC	Metals: As Ag Ba	Volatiles	Scharolables GTEX 80218/5030 or RTEX	Ş	N.O.R.M.			RUSH TA	Standard TA1
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Relinquished by.	Date	Time		ardu	a La	n	-						Dale 5/0	- 1	Tir [4].		Ten	nper	ature	Upo	in Re	ceipl	DHL t;		1.0		"C	_

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

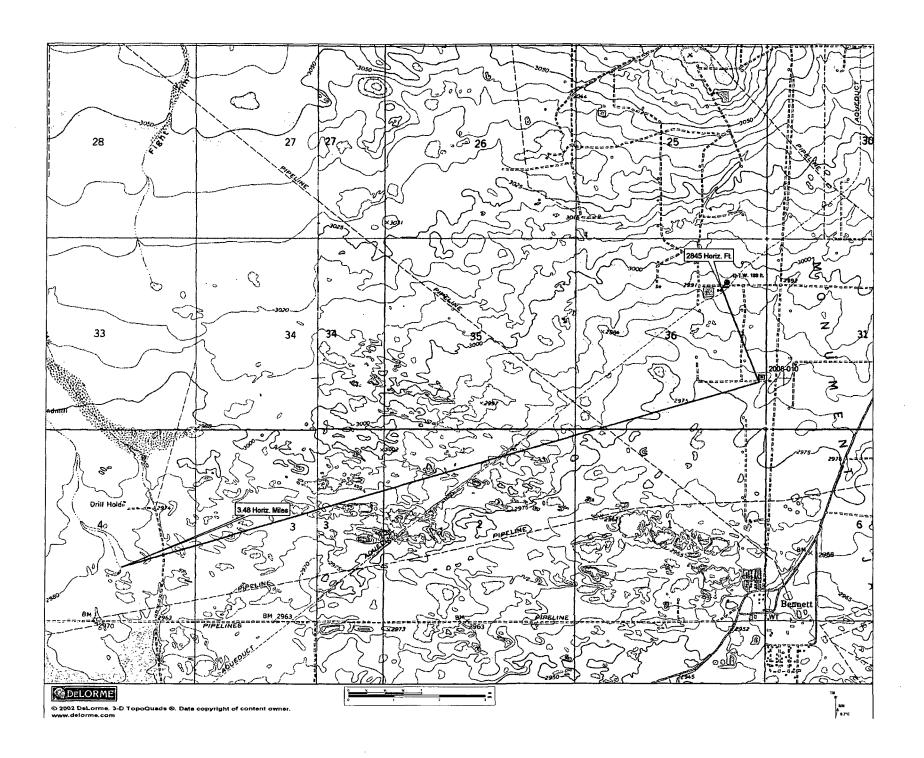
Client:	5.4.6.5
Date/ Time:	5 15 08 14 30
Lab iD#:	303938
Initials:	aL

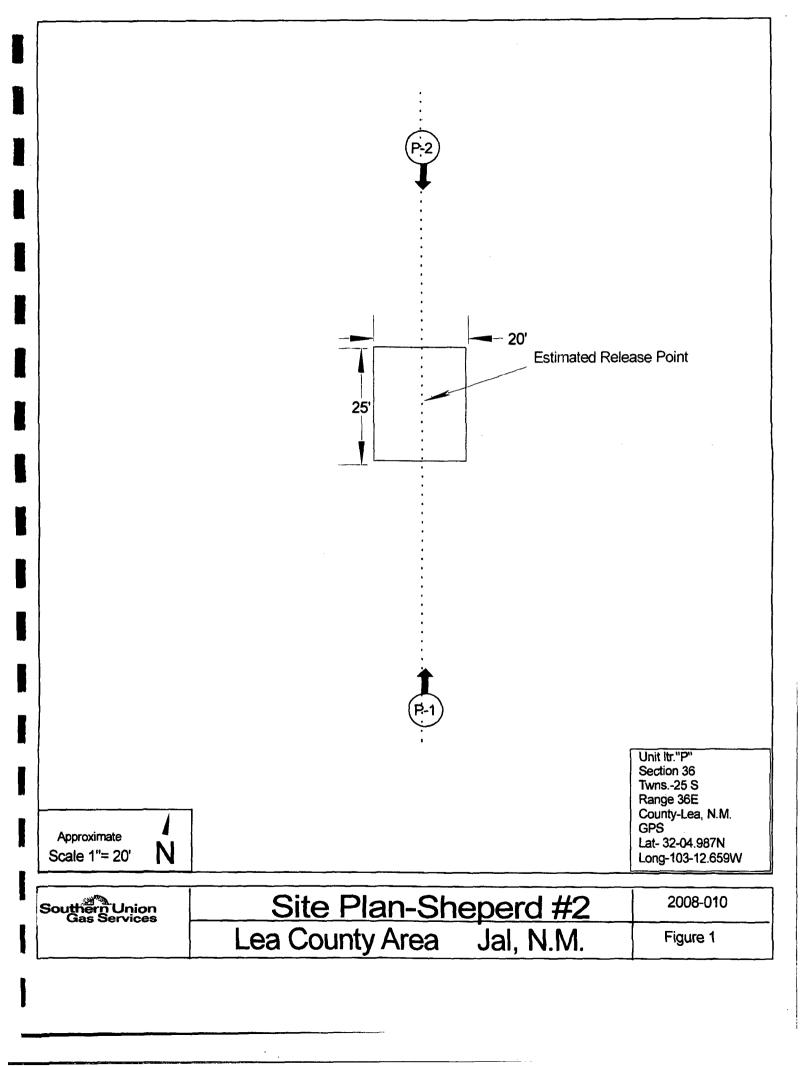
Sample Receipt Checklist

#1	Temperature of container/ cooler?	(es	No	I D °C
‡2	Shipping container in good condition?	Yes	No	
# 3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present?
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present
‡ 5	Chain of Custody present?	Ves	No	
ŧ6	Sample instructions complete of Chain of Custody?	Yes	No	
¥7	Chain of Custody signed when relinguished/ received?	Yes	No	
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid
# 9	Container label(s) legible and intact?	Yes	No	Not Applicable
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No	
#11	Containers supplied by ELOT?	Yes'	No	
#12	Samples in proper container/ bottle?	Yes	No	See Below
#13	Samples properly preserved?	Y.es	No	See Below
#14	Sample bottles intact?	Yes	No	
#15	Preservations documented on Chain of Custody?	Yes	No	
#16	Containers documented on Chain of Custody?	Yes	No	
#17	Sufficient sample amount for indicated test(s)?	Xes	No	See Below
#18	All samples received within sufficient hold time?	Yes	No	See Below
#19	Subcontract of sample(s)?	Yes	No	Not Applicable
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable

Variance Documentation

Contact:		Contacted by:	Date/ Time:
Corrective Action Taker	ı:		
Check all that Apply:		See attached e-mail/ fax Client understands and would like to proceed with ana Cooling process had begun shortly after sampling eve	•





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
bmit 2 Copies to appropriate

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

			Rele	ease Notific	atio	n and Co	rrective A	ction						
						OPERA?	ror		🛛 Initia	al Report	Final Report			
Name of Co	mpany			n Gas Services,		Contact		Tony Savoie						
Address		P.C		26 Jal, N.M. 88		Telephone N	575-395-2116							
Facility Nar	ne		Lea	County Field D	ept.	Facility Typ	e			Nati	ural Gas Gathering			
Surface Ow	Surface Owner: Jay Anthony Mineral Own						Mexico		Lease 1	10.				
				LOCA	TIC	N OF REI	LEASE							
Unit Letter	Section	Township	Range	Feet from the	Nort	h/South Line	Feet from the	East/	West Line	County				
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						OF REL	: W103 12.659 EASE		1175	<i>- 2</i> 2	033			
Type of Rele	ase : Natura	al Gas					Release: Unkno	wn	Volume 1	Recovered	None			
		latural Gas Pi	peline				lour of Occurrence				scovery 7/22/04			
						Unknown			Time: 8:1	0 a.m.				
Was Immedia	ate Notice		Yes [] No ⊠ Not R	eauire	If YES, To	Whom?							
By Whom?						Date and H	I ave							
Was a Water	course Rea	ched?						the Wat	ercourse					
was a water	course Rea		Yes ⊠] No		If YES, Volume Impacting the Watercourse.								
If a Watercou	irse was Im	pacted, Descr	ibe Fully.	+										
		,									!			
Describe Ca	use of Pro	oblem and R	emedial A	Action Taken.*										
					as Se	rvices operati	ons. The pipelin	ne has l	been idle f	or approxi	imately 5 years,			
				prior to taking th						• • •	,			
				wner and the wo				d samp	led in July	2004.				
Describe Are	a Affected	and Cleanup	Action Tal	ken. An area meas	suring	approximately	450 sq. ft. has a d	lry grey	to white di	scoloration.	. The discolored soil			
				root bearing zon							MOCD rules and			
				nd/or file certain r										
				ce of a C-141 repo										
should their o	operations l	nave failed to	adequately	investigate and r	emedi	ate contaminati	on that pose a thr	reat to g	round wate	r, surface w	ater, human health			
				otance of a C-141	report	does not reliev	e the operator of	respons	ibility for c	ompliance	with any other			
federal, state,	or local la	ws and/or reg	ulations.				OIL CON	CEDI	/ A TION	DIME	ON			
				0			OIL CON							
Signature:	100		Approved by District Supervisor: ENVIRONMENTAL ENGINEER											
		Approved by	ENVIR	ĴŇMĿ	NIAL F	MOMER	•							
Printed Name	: John	A. Savoie								VOIIVEEF	1			
Title: Reme	diation Sur	ervisor				Approval Da	te: 5.14.c) 8	Expiration	Date:]	. (4 ,08			
E-mail Addre	ess: tony.sa	avoie@sug.co	m			Conditions of	f Approval:			7	. 🗂			
Date: 5/13/08				575-395-2116		_	^	•		Attached 1 R				
* Attach Addi		ets If Necess		373-373-4110		Sugar	MENTATION	KU		141	, , , , , , , , , , , , , , , , , , , ,			
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