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

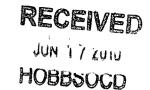
Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 RECEIVED

Form C-141 Revised October 10, 2003

JUN 17 ZUIU District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

						OPFI	RATOR		Initi	al Report ,	☐ Final Report	
Name of Co	nnanv	Southe	em Unio	n Gas Services	[Contact R			3111()	ar Report	ZZ I mai Kepon	
Address	ompany			hans, Texas 797		Telephone No 432-943-1100 ext. 1116						
Facility Nai	ne		ans Field			Facility Typ						
			3 0 .						· · · · · ·	7		
Surface Ow	ner Souti	nern Union C	ias Servi	ces Mineral ()wner:				Lease 1	40.		
						OF RE	LEASE		30	025 38	3822 250263	
Unit Letter N	Section 36	Township 23	Range 36	Feet from the	North	South Line	Feet from the	East/Wo	est Line	County	ea	
				Latitude 32	15.426		Longitude 103	3 13.647				
	NATURE OF RELEASE											
Type of Rele	ase Crude	Oil, Produced	water and				Release Unknow	vn at \	Volume I	Recovered (
Source of Re	lease 24"	Pipeline				Not known			0:46:00	am	covery 9/15/09 at	
Was Immedi	ate Notice (Yes N	o Not Required	i		Whom? Notified at the NMOCD					
By Whom?							Iour: 9/15/09 at 2					
Was a Water	course Read	:hed [.])	Yes [⊠ No		If YES, Vo	lume Impacting t	the Watero	course.			
If a Waterco	urse was Im	pacted, Descr	ibe Fully.	*								
Describe Car The 24" nati clamped and	ural gas gat		dial Action erating at	n Taken: approximately 5	0 p.s.i d	leveloped a lo	eak. The leak are	ea was exc	cavated a	and the 24"	natural gas line was	
		and Cleanup on-impacted s		iken. Impacted s	oil was	excavated and	d confirmation so	nl samples	s were of	otained. The	e site was backfilled	
Please see		ed Basin Env	vironmen	tal Consulting	Remedia	ation Summa	ry and Site Clo	sure Req	uest for	details of	remedial activities	
I hereby cer regulations a public health should their or the environment	tify that the all operators or the envolvement. In	are required ironment. The have failed to	to report e accepta adequatel IOCD acc	and/or file certaince of a C-141 rey investigate and	n releas eport by remedia	e notification the NMOCE ate contamina	s and perform co marked as "Fina- tion that pose a tl	orrective a al Report" hreat to gr	ctions fo does no ound wa	r releases, v t relieve the ter, surface	NMOCD rules and which may endanger operator of liability water, human health ance with any other	
Signature	>> 0s	· \$ (Va	de			OIL CON	3	ohen	500-	-	
Printed Name: Rose L. Slade						Approved by District ENWRONMENTAL ENGINEER						
Title: EHS	Compliance	Specialist	~			Approval Da	te 6,17.	(O Ex	piration	Date:		
E-mail Address: rose.slade@sug com						Conditions of Approval:						
Date: 9/14/0)	Pho						IRP	# 2305			



Basin Environmental Consulting LLC

2800 Plains Highway
P. O. Box 381
Lovington, New Mexico 88260

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

jwlowry@basin-consulting.com



REMEDIATION SUMMARY

AND
SITE CLOSURE REQUEST

Southern Union Gas Services
O-5 24" #1 (2009-049)
Lea County, New Mexico
UNIT N (SE/SW), Section 36, Township 23 South, Range 36 East
Latitude 32 ° 15.426' North, Longitude 103 ° 13.647' West
NMOCD Reference # IRP-2305

Prepared For:

Southern Union Gas Services 1507 West 15th Street Monahans, Texas 79756

Prepared By: Basin Environmental Service Technology, LLC

April 2010

JOOZ LOWPY

Joel W. Lowry Project Manager

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Appendix B – Site Photographs

Appendix C – Release Notification and Corrective Action (Form C-141)

1.0 INTRODUCTION

Basin Environmental Consulting, LLC (Basin), on behalf of Southern Union Gas Services (Southern Union), has prepared this Remediation Summary and Site Closure Request for the release site known as O-5 24" #1. The site is located in Unit Letter N (SE ¼ SW ¼), Section 36, Township 23 South, Range 36 East, in Lea County, New Mexico. The property is owned by the State of New Mexico. The site latitude is 32° 15.426' North, and the longitude is 103° 13.647' West. Site Location and Site and Sample Location Maps are provided as Figure 1 and Figure 2, respectively. The Release Notification and Corrective Action (NMOCD Form C-141) indicated an unknown amount of crude oil, produced water and natural gas was released from the Southern Union pipeline with no recovery. The Release Notification and Corrective Action form is provided as Appendix C.

On September 15, 2009, Southern Union discovered a release from a twenty four (24)-inch steel pipeline. During initial response activities, the release site was excavated and a temporary pipeline clamp was installed on the pipeline to mitigate the release. The release resulted in a surface stain measuring approximately forty-five (45) feet in width by sixty-five (65) feet in length. The impacted soil was stockpiled on location on a 6-mil poly liner pending final disposition.

2.0 NMOCD SITE CLASSIFICATION

A search of the New Mexico Office of the State Engineer (NMOSE) database indicated depth to groundwater information was unavailable for Section 36, Township 23 South, Range 37 East. A depth to groundwater reference map utilized by the New Mexico Oil Conservation Division (NMOCD) indicates groundwater should be encountered at approximately one hundred forty-two (142) feet bgs. The depth to groundwater in this area results in a score of zero (0) points being assigned to the site based on the NMOCD depth to groundwater criteria.

The water well database, maintained by the NMOSE, indicated there are no water wells less than 1,000 feet from the site, resulting in zero (0) points being assigned to the site as a result of this criteria.

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

The NMOCD guidelines indicate the O-5 24" #1 release site has a ranking score of zero (0). Based on this score, the soil remediation levels for a site with a ranking score of zero (0) points are as follows:

- Benzene 10 mg/Kg (ppm)
- BTEX 50 mg/Kg (ppm)
- TPH -5,000 mg/Kg (ppm)

The NMOCD chloride clean up level concentrations are site specific and will be 640 mg/Kg per the NMOCD – Artesia District office.

3.0 SUMMARY OF FIELD ACTIVITIES

On October 9, 2009, following initial response activities, a series of delineation trenches were excavated at the release point and the flow path. Delineation trenches were advanced until chloride field test indicated chloride concentrations were below NMOCD regulatory standards. Site Photographs are provided in Appendix B.

Beginning November 20, 2009, remedial activities commenced at the location. Visually impacted soil was excavated and stockpiled adjacent to the location on a 6-mil poly liner, pending final disposition. The excavation floor and sidewalls were advanced until field test indicated chloride concentrations were below NMOCD regulatory standards. The final dimensions of the excavation were approximately forty-five (45) feet in width by sixty-five (65) feet length and ten (10) to fifteen (15) feet in depth.

On February 2, 2010, nine (9) sidewall soil samples (WSW-1, WSW-2, SSW-1 SSW-2, NSW-1, NSW-2, NSW-3, ESW-1 and ESW-2) were collected from the excavation and submitted to the laboratory for analysis of benzene, toluene, ethylbenzene and xylenes (BTEX), total petroleum hydrocarbons (TPH) and chloride concentrations. The laboratory analytical results indicated benzene and BTEX concentrations were less than the laboratory minimal detection limit (MDL) in all the soil samples submitted. The laboratory analytical results indicated TPH concentrations were less than the laboratory MDL in all the submitted soil samples. Chloride concentrations ranged from less than the laboratory MDL for soil sample ESW-1 to 80 mg/Kg for soil sample ESW-2. A summary of analytical results are provided in Table 1. Laboratory analytical results are provided in Appendix A.

On February 2, 2010, two (2) excavation floor soil samples (FLOOR-1 and FLOOR-2) were collected from the release site and submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. The laboratory analytical results indicated benzene and BTEX concentrations were less than the laboratory MDL in all the soil samples submitted. The laboratory analytical results indicated TPH concentrations were less than the laboratory MDL in all the soil samples submitted. Chloride concentrations ranged from 32 mg/Kg for soil sample FLOOR-1 to 640 mg/Kg for soil sample FLOOR-2.

From February 10 through February 18, 2010, Basin transported approximately 1,280 cubic yards (cy) of impacted soil to Sundance Services, Inc. Approximately 446 cy of caliche and 372 cy of topsoil was purchased locally and transported to the site for use as backfill.

On February 19 and February 22, 2010, the excavation was backfilled and compacted with native soil and contoured to fit the surrounding topography.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

Soil samples were delivered to Cardinal Laboratories, Inc. in Hobbs, New Mexico for BTEX and/or TPH and/or chloride analyses using the methods described below. Soil samples were analyzed for BTEX and/or TPH and/or chloride within fourteen days following the collection date.

The soil samples were analyzed as follows:

- BTEX concentrations in accordance with EPA Method 8021B, 5030
- TPH-GRO/DRO concentrations in accordance with modified EPA Method 8015M GRO/DRO
- Chloride concentrations in accordance with EPA Method 4500

4.2 Decontamination of Equipment

Cleaning of the sampling equipment was the responsibility of the environmental technician. Prior to use, and between each sample, the sampling equipment was cleaned with Liqui-Nox® detergent and rinsed with distilled water.

4.3 Laboratory Protocol

The laboratory was responsible for proper QA/QC procedures after signing the chain-of-custody form. These procedures were either transmitted with the laboratory reports or are on file at the laboratory.

5.0 SITE CLOSURE REQUEST

Based on the analytical results of the confirmation soil samples, Basin recommends Southern Union provide the NMOCD Hobbs District Office a copy of this Remediation Summary and Site Closure Request and request the NMOCD grant site closure to the 0-5 24" #1 release site.

6.0 LIMITATIONS

Basin Environmental Consulting, LLC has prepared this Remediation Summary and Site Closure Request to the best of its ability. No other warranty, expressed or implied, is made or intended.

Basin Environmental Consulting, LLC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Basin Environmental Consulting, LLC has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. Basin Environmental Consulting, LLC has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin Environmental

Consulting, LLC also 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 Consulting, LLC and/or Southern Union Gas Services.

7.0 **DISTRIBUTION:**

Copy 1: Geoffrey Leking

New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division (District 1)

1625 French Drive

Hobbs, New Mexico 88240

Copy 2: Rose Slade

Southern Union Gas Services

1507 West 15th

Monahans, Texas 79756

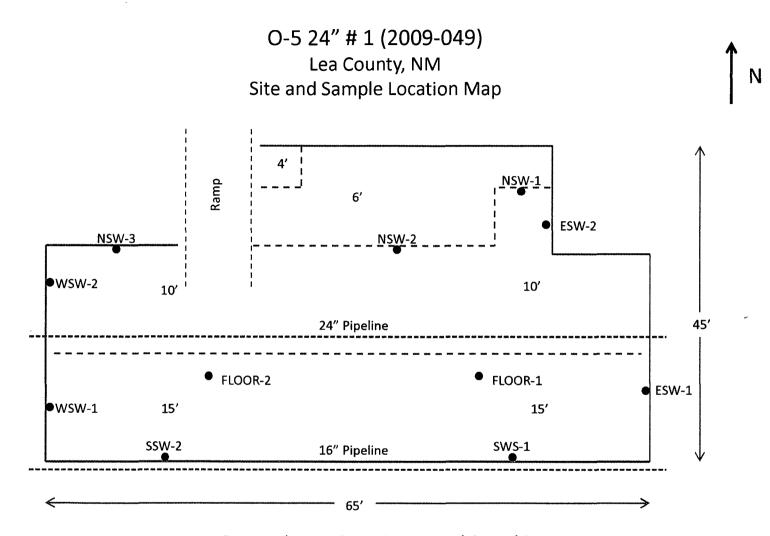
Copy 3: Joel Lowry

Basin Environmental Service Technology, LLC

P.O. Box 381

Lovington, New Mexico 88260

Figures



Prepared By Basin Environmental Consulting

Tables

TABLE 1

CONCENTRATIONS OF BTEX, TPH AND CHLORIDES IN SOIL

SOUTHERN UNION GAS SERVICES O-5 24" #1 (2009-049) LEA COUNTY, NEW MEXICO NMOCD REFERENCE #1RP-2305

				METHOD: E	PA SW 846-	8021B, 5030			SW 84	48-8015M		4500 CI
SAMPLE LOCATION	SAMPLE DATE	SOIL STATUS	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆₋ C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	DRO Ext. C ₂₈ -C ₃₅ (mg/Kg)	TOTAL TPH (mg/Kg)	CHLORIDE (mg/Kg)
WSW-1	02/02/10	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	<100	48
WSW-2	02/02/10	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<100	<10.0	<10.0	<100	16
SSW-1	02/02/10	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	<100	32
SSW-2	02/02/10	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	<100	16
NSW-1	02/02/10	In-Situ	<0.050	<0.050	<0.050	<0 300	<0.300	<10.0	<10.0	<10.0	<10.0	32
NSW-2	02/02/10	In-Situ	<0.050	<0.050	<0.050	<0 300	<0.300	<10.0	<10.0	<10.0	<10.0	32
NSW-3	02/02/10	In-Situ	<0.050	<0.050	<0 050	<0.300	<0.300	<10.0	<10.0	<10.0	<10.0	16
ESW-1	02/02/10	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	<10.0	<16
ESW-2	02/02/10	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	<100	80
FLOOR-1	02/02/10	In-Situ	<0.050	<0.050	<0.050	<0.300	<0.300	<10.0	<10.0	<10.0	<10.0	32
FLOOR-2	02/02/10	In-Situ	<0 050	<0.050	<0 050	<0.300	<0.300	<10.0	<10.0	<10.0	<10.0	640
以外的企业的企业		主教を変えた	北美洋東 町	: 网络艾克			h Kan	10.00000000000000000000000000000000000	2 44 24	自然研究力	数字符件基础	
NMOCD Regulatory Star	ndarc		10				50				5000	640

Appendices

Appendix A Laboratory Analytical Reports



February 9, 2010

Curt Stanley
Basin Environmental Consulting, LLC.
P.O. Box 381
Lovington, NM 88260

Re: 0-5 24" #1 (SUG)

Enclosed are the results of analyses for sample number H19196, received by the laboratory on 02/02/10 at 1:40 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

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

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

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

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

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 6 (includes Chain of Custody)

Celey D. Reene

Sincerely

Laboratory Director

This report conforms with NELAP requirements.



ANALYTICAL RESULTS FOR BASIN ENVIRONMENTAL CONSULTING, LLC.

ATTN: CURT STANLEY 2800 PLAINS HWY LOVINGTON, NM 88260 FAX TO: (575) 396-1429

Receiving Date: 02/02/10 Reporting Date: 02/04/10

Project Owner: SUG (0-5 24" #1)
Project Name: NOT GIVEN

Project Location: LEA COUNTY, NM

Sampling Date: 02/02/10 Sample Type: SOIL

Sample Condition: COOL & INTACT @ 46C

Sample Received By: CK

02/09/10

Analyzed By: AB

		GRO	DRO	DRO ext.
		(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	(>C ₂₈ -C ₃₅)
LAB NUMBER	SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)

ANALYSIS DA	TE:	02/03/10	02/03/10	02/03/10
H19196-1	WSW-1	<10.0	<10.0	<10.0
H19196-2	WSW-2	<10.0	<10.0	<10.0
H19196-3	SSW-1	<10.0	<10.0	<10.0
H19196-4	SSW-2	<10.0	<10.0	<10.0
H19196-5	NSW-1	<10.0	<10.0	<10.0
H19196-6	NSW-2	<10.0	<10.0	<10.0
H19196-7	NSW-3	<10.0	<10.0	<10.0
H19196-8	ESW-1	<10.0	<10.0	<10.0
H19196-9	ESW-2	<10.0	<10.0	<10.0
H19196-10	FLOOR-1	<10.0	<10.0	<10.0
H19196-11	FLOOR-2	<10.0	<10.0	<10.0
Quality Contro	<u> </u>	515	430	-
True Value QC)	500	500	-
% Recovery		103	86.0	•
Relative Perce	ent Difference	14.8	6.9	

METHOD: SW-846 8015 M. Reported on wet weight.

Not accredited for GRO/DRO.

H19196 TPH8015EXT Basin

PLEASE NOTE. Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyse All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicab service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiarie affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Result relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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

Receiving Date: 02/02/10 Reporting Date: 02/04/10

Project Owner: SUG (0-5 24" #1)
Project Name: NOT GIVEN

Project Location: LEA COUNTY, NM

Sampling Date: 02/02/10 Sample Type: SOIL

Sample Condition: COOL & INTACT @ 40C

Sample Received By: CK

Analyzed By: ZL

			ETHYL	TOTAL
	BENZENE	TOLUENE	BENZENE	XYLENES
LAB NUMBE SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
ANALYSIS DATE	02/04/10	02/04/10	02/04/10	02/04/10
H19196-1 WSW-1	~ <0.050	<0.050	<0.050	< 0.300
H19196-2 WSW-2	<0.050	<0.050	<0.050	< 0.300
H19196-3 SSW-1	<0.050	<0.050	<0.050	< 0.300
H19196-4 SSW-2	<0.050	<0.050	<0.050	<0.300
H19196-5 NSW-1	<0.050	<0.050	<0.050	<0.300
H19196-6 NSW-2	<0.050	<0.050	<0.050	<0.300
H19196-7 NSW-3	<0.050	<0.050	<0.050	<0.300
H19196-8 ESW-1	<0.050	<0.050	<0.050	<0.300
H19196-9 ESW-2	<0.050	<0.050	<0.050	<0.300
H19196-10 FLOOR-1	<0.050	<0.050	<0.050	<0.300
H19196-11 FLOOR-2	<0.050	<0.050	<0.050	<0.300
Quality Control	0.043	0.043	0.043	0.128
True Value QC	0.050	0.050	0.050	0.150
% Recovery	86.0	86.0	86	85.3
Relative Percent Difference	10.3	9.2	1.8	5.3

METHOD: EPA SW-846 8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,

AND TOTAL XYLENES: Reported on wet weight.

Chemist

Date

02/09/10



ANALYTICAL RESULTS FOR BASIN ENVIRONMENTAL CONSULTING, LLC

ATTN: CURT STANLEY

P.O. BOX 381

LOVINGTON, NM 88260 FAX TO: (575) 396-1429

Receiving Date: 02/02/10 Reporting Date: 02/03/10

Project Number: 0-5 24" #1 (SUG)

Project Name: NOT GIVEN Project Location: LEA CO., NM

Analysis Date: 02/03/10 Sampling Date: 02/02/10

Sample Type: SOIL

Sample Condition: COOL & INTACT @ 4°C

Sample Received By: CK

Analyzed By: HM

		CI				
LAB NO.	SAMPLE ID	(mg/kg)				
H19196-1	WSW-1	48				
H19196-2	WSW-2	16				
H19196-3	SSW-1	32				
H19196-4	SSW-2	16				
H19196-5	NSW-1	32				
H19196-6	NSW-2	32				
H19196-7	NSW-3	16				
H19196-8	ESW-1	< 16				
H19196-9	ESW-2	80				
H19196-10	FLOOR-1	32				
H19196-11	FLOOR-2	640				
Quality Cont	rol	510				
True Value	500					
% Recovery	102					
Relative Per	Relative Percent Difference					

METHOD: Standard Methods

4500-Cl'B

02/09/10

Note: Analyses performed on 1:4 w:v aqueous extracts.

Not accredited for Chloride.

Chemist /

Date

H19196 Basin Environmental



101 East Marland, Hobbs, NM 88240

(575) 393-2326 Fax (575) 393-2476 Company Name: BASIN ZANUROWMENTAL BILL TO ANALYSIS REQUEST Project Manager: P.O. #: COMPANY: SOUTHERN UNION State: NM Zip: 68267 2244 Fax #: 575-396 +1498 Address: Project Owner: City: Project Name: State: Zip: Project Location: Phone #: NO Sampler Name: Fax #: FOR LAB USE ONLY 40 MATRIX PRESERV SAMPLING S (G)RAB OR (C)OMP # CONTAINERS Sample I.D. Lab I.D. ICE / COOL SLUDGE OTHER: H19196-OIL DATE TIME 1140 1150 200 11210 1220 730 1240 1250 PLEASE NOTE: __a5th and Damages Caldinal's habiting and clean's exclusive remedy for any claim arising whether based in contract or ton, shall be limited to the amount paid by the client for the __manyous fixed in wraing and received by Cardinal within 30 days after completion of the applicable. Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice service in no event shall Cardural be bable for incidental or consequental damages including without kinatation, business interruptions, loss of use, or loss of profits incurred by cleant, its subsidiaries. and all costs of collections, including attorney's fees. of class of successor's arrangibut of or re-stand to the performance of services hereunder by Cardinal, regardless of whother such claim is based upon any of the above stated reasons or eitherwise. Sampler/Relinguished: Received By: ם Add'l Phone #: Phone Result: Fax Result: Add'I Fax #: REMARKS: Relinquished By: Date: Received By: Time: Delivered By: (Circle One) Sample Condition CHECKED BY: Temp. (Iditials) Cool Intact
Yes Yes
No No intact Sampler - UPS - Bus - Other:

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





	(575) 393-2326 Fax (575) 393-2476													Page_	201			
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Project #: 0-524# Project Owner:				City:		1	\ \					1						
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Project Location	: LEN CO, PM				Phone #:		1 6	3	7									
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PLEASE NOTE, LASKT, A	nd Damages. Cardinal's kapting and client's exclusive remedy for	any clasm	adsina i	whether based in contract	Lor tort, shall be limited t	o the amount part by the client	for the	<u> </u>	<u></u>	Terms ar	d Conditio	ons: Intere	si will be o	charged on	ali accour	its more th	וח	
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[†] Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.



February 5, 2010

Curt Stanley
Basin Environmental Consulting, LLC.
P.O. Box 381
Lovington, NM 88260

Re: 05-24" #1 (SUG)

Enclosed are the results of analyses for sample number H19205, received by the laboratory on 02/02/10 at 4:50 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Kleene Laboratory Director



ANALYTICAL RESULTS FOR BASIN ENVIRONMENTAL CONSULTING, LLC

ATTN: CURT STANLEY

P.O. BOX 381

LOVINGTON, NM 88260 FAX TO: (575) 396-1429

Receiving Date: 02/02/10 Reporting Date: 02/03/10 Project Owner: SUG

Project Name: 05-24" #1

Project Location: LEA CO., NM

Analysis Date: 02/03/10 Sampling Date: 02/02/10 Sample Type: SOIL

Sample Condition: COOL & INTACT @ 3°C

Sample Received By: JH

ozlos/10

Analyzed By: HM

		CI
LAB NO.	SAMPLE ID	(mg/kg)
H19205-1	STOCKPILE BASELINE	1,120
······································		
Quality Cor	ntrol	510
True Value	QC	500
% Recover	у	102
Relative Pe	ercent Difference	2.0

4500-CIB METHOD: Standard Methods

Note: Analyses performed on 1:4 w:v aqueous extracts.

Not accredited for Chloride.

H19205 Basin Environmental



ANALYTICAL RESULTS FOR

BASIN ENVIRONMENTAL CONSULTING

ATTN: CURT STANLEY 2800 PLAINS HWY LOVINGTON, NM 88260 FAX TO: (575) 396-1429

Receiving Date: 02/02/10 Reporting Date: 02/05/10

Project Number: NOT GIVEN Project Name: 05-24" #1

Project Location: LEA CO., NM

Sampling Date: 02/02/10

Sample Type: SOIL

Sample Condition: COOL & INTACT @ 3°C

Sample Received By: JH Analyzed By: AB/ZL

LAB NO. SAMPLE ID

GRO

DRO

DRO ext.

(>C10-C28) (>C28-C35) BENZENE TOLUENE BENZENE XYLENES

ETHYL

TOTAL

LAB NO. SAMPLE

 (C_6-C_{10}) (>C₁₀-C₂₈) (mg/kg) (mg/kg)

(mg/kg) (mg/kg)

(mg/kg)

(mg/kg)

(mg/kg)

ANALYSIS DATE:	02/04/10	02/04/10	02/04/10	02/03/10	02/03/10	02/03/10	02/03/10
H19205-1 STOCKPILE BASELINE	<10.0	1,610	127	<0.050	<0.050	<0.050	<0.300
* ************************************					***************************************		n. 4449 (m4074) A (1744) (1744) (1744) (1744) (1744) (1744) (1744) (1744) (1744) (1744) (1744) (1744) (1744)
							######################################
Quality Control	527	522	-1	0.050	0.053	0.057	0.162
True Value QC	500	500	-	0.050	0.050	0.050	0.150
% Recovery	105	104	-	100	106	114	108
Relative Percent Difference	0.6	1.7	-	1.2	<1.0	<1.0	<1.0

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

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

Lab Director

Date

H19205 TPHextBTEX BASIN



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

	: 1	
Page /	of J	

Company Name:	BASIN ZINIRONMENTA	HC	BILL TO		ANALYSIS REQUI	EST
Project Manager:	CUBY STANGET		P.O. #:	,		
Address: 22	CO PLAINS HULL	-1441 ANNES MESTERS (III. ASSAURISCENSES CONTROL ESTA	Company: SOUTHORU	Javal		
City: (- (C)()(@26Q_	Attn: KESE Sign	25		
Phone #:575	5-441-2244ax#: 515-3	96-1448	Address:			
Project#:	Project Owner:		City:	K KI		
Project Name:	05-24"#1,	ayanaguahidhdistoniinag roomatusaadusunacusjidasaa	State: Zip:	- 1M N. 24	.	
Project Location:	LEA COLUM 1		Phone #:			
Sampler Name:	OURTSTANCE of		Fax#:			
Lab I.D.	CENTAINERS OF (C)OMP.	GROUNDWATER CASOLING	PRESERV. SAMPLING VOIDING BY SERVING PRESERV. SAMPLING OUT OF THE SERVING OUT OF T	ME SO A TAT - SO A TAT		
analyses. All claims including the service. In no oversished Certific officies or successors erising on	Damlages. Cardinal's liability and client's exclusive remedy for any calr sel for neglipence and any other cause whatsoever shall be deemed waived unless of be kable for incidental or consequental damages, including without limitation, busin to of processing to the performance of services beginned by Cardinal, regardless of	, made in wiling and recolved tress interruptions, lose of us whether such claim in based	I by Cardinal within 30 days after completion of the e e, or loss of profits incurred by client, its subsidiaries upon any of the above stated reasons or otherwise.	appācable 3.		
	Time: Date: Time:	d By: Sample Conditio	TEAN REMAINS OF CHECKED BY:		No {Add'l Phone #: No Add'l Fax #:	
Sampler - UPS - I		Yes Wes	1 47XT I			·/····································
† Cardinal car	nnot accept verbal changes. Please fax written o	changes to 575-3	93-2476. <i>U</i>			

Appendix B
Site Photographs



Photo of release point from twenty four (24)-inch steel pipeline at the O-5 24 -inch # 1 Site.

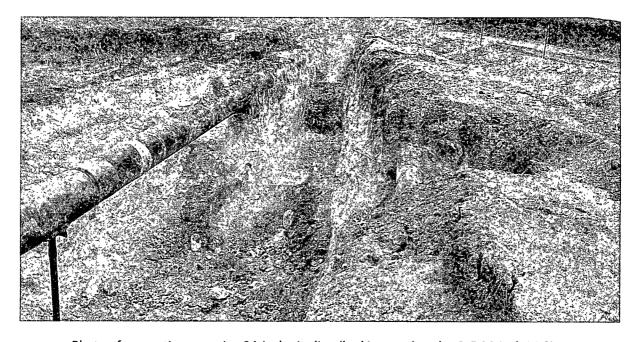


Photo of excavation exposing 24-inch pipeline (looking east) at the O-5 24-inch #1 Site.



Photo of delineation trenches (looking south) at the O-5 24-inch #1 Site.

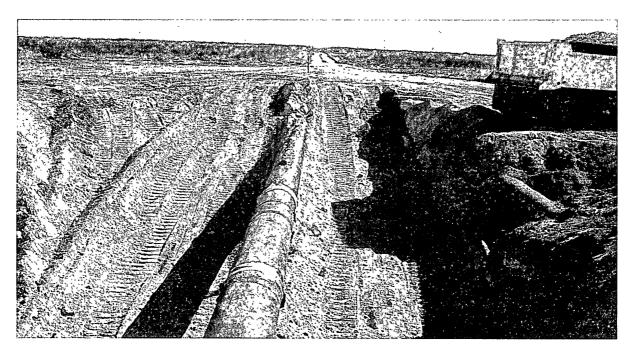


Photo of backfilling activities (looking east) at the O-5 24-inch #1 Site.

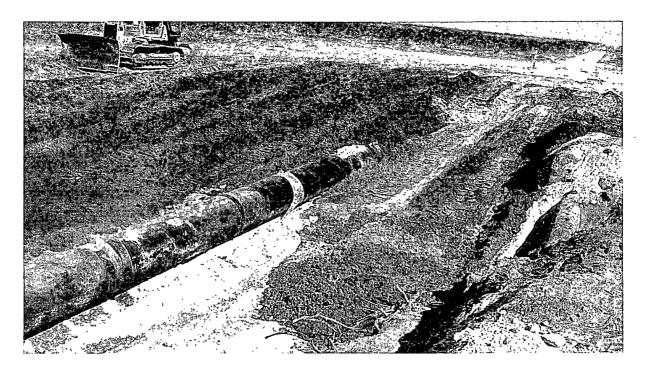


Photo of backfilling activities (looking north east) at the O-5 24-inch #1 Site.

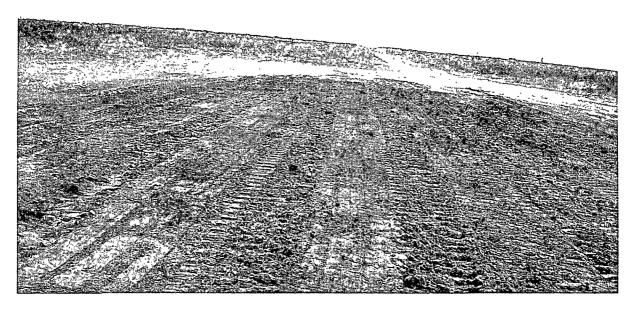


Photo of completed backfill activities (looking east) at the O-5 24-inch #1 Site.

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

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

State of New Mexico Energy Minerals and Natural ResourCEIVED

Oil Conservation Division SEP 14 2009 1220 South St. Francis Dr. Santa Fe, NM 87505 HOBBSOCD

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

Form C-141

Revised October 10, 2003

Release Notification and Corrective Action

						OPERA	TOR							
Name of Co				Contact: Ro										
Address: 15		Telephone No.: 432-943-1100 ext. 1116												
Facility Nar		Facility Type: Natural Gas Gathering												
Surface Ow)wner	Lease No.												
				LOCA	ATION	OF REI	EASE							
						· · · · · · · · · · · · · · · · · · ·			/West Line County Lea					
	Latitude32 15.426 Longitude:103 13.647													
				NAT	URE	OF RELI	EASE							
Type of Rele		Volume of Release: Unknown at this time Volume Recovered: 0												
Source of Re		Date and Hour of Occurrence: not known Date and Hour of Discovery: 9/15/09 10:46:00 am												
Was Immedia	equired	If YES, To Whom? Notified OCD (Hobbs) left message at 11:10 am and Buddy Hill at the NMOCD office Hobbs, NM called me back at 2:20 pm												
By Whom? R		Date and Hour: 9/15/09 at 2:20 pm												
Was a Water		If YES, Volume Impacting the Watercourse.												
If a Watercou	rse was Im	pacted, Descri	be Fully.*				**************************************					·		
	GW8142													
		em and Remeding line operating		n Taken.* imately 50 p.s.i. dev	relop e d a	leak The leak	area was excav	vated and th	ne 24" natural	gas line was c	lamped	and left:	in	
Describe Are	Affected:	and Cleanup A	Action Tak	en.*										
Approximately 45' wide x 65' long of pasture land was excavated by the leak. Final remediationon will follow the NMOCD recommended guidelines for leaks and spills														
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.														
							OIL CONSERVATION DIVISION							
Signature: Re	se L. Slade	<u>.</u>			•	-u lv l \								
Printed Name	Approved by Bistrict Supervisor: , Sacffray Lebenne,													
Title: EHS C		Approval Date: 09 15 09 Expiration Date: 15 09												
E-mail Address: rose,slade@sug.com						Conditions of Approval: DELINEATE CLEAN+ 1, SUBMITFINAL				Attached				
Date: 9/14/0	9		Pho	ne: 432-940-514	7	C-141 B	1 21/11 4	୦୩.	•	1RP-0	ور. ارا	J. 23	05	
Attach Addi		ets If Necess	arv	***************************************			•							