

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

OCT 21 2010

HOBBSOCD

Form C-141
Revised October 10, 2003
Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Southern Union Gas Services, Ltd.	Contact	Rose Slade
Address	P.O. Box 1226 Jal, N.M. 88252	Telephone No.	432-940-5147
Facility Name	Sheperd #9	Facility Type	Natural Gas Gathering

Surface Owner: Jay Anthony	Mineral Owner: State of New Mexico	API No. 30-025-38822
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	1	26S	36E					Lea

Latitude N32 4.762 Longitude W103 12.657

NATURE OF RELEASE

Type of Release : Natural Gas	Volume of Release: Unknown	Volume Recovered None
Source of Release : 4" Natural Gas Pipeline	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 7/22/04 Time: 9:00 a.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

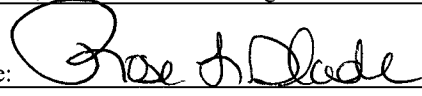

Describe Cause of Problem and Remedial Action Taken.*

A 4-inch natural gas pipeline had a release prior to the Southern Union Gas Services acquisition. The pipeline has been idle for approximately 5 years; the areas were impacted several years prior to placing the line out of service.

The impacted areas were identified by the landowner and the worse case site was photographed and sampled in July 2004.

Describe Area Affected and Cleanup Action Taken. An area measuring approximately 180 sq. ft. has a dry grey to white discoloration. The discolored soil was excavated to a depth sufficient to restore a root bearing zone. Please reference closure request dated October 18, 2010 for remediation details.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC 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, NMOC acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION  Approved by District Supervisor	
Printed Name: Rose L. Slade	ENVIRONMENTAL ENGINEER	
Title: EHS Compliance Specialist	Approval Date: 10-21-10	Expiration Date: _____
E-mail Address: rose.slade@sug.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 10/18/2010	Phone: 432-940-5147	

* Attach Additional Sheets If Necessary

n LWT 1029537206

P GRL 0821942999

IRP-1915



1507 W. 15th
Monahans, Texas 79756

432.943.1100 Fax: 432.943.1101

October 18, 2010

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

RECEIVED

OCT 21 2010
HOBBSOCD

Re: Sheperd #9 (1RP-1915)

Mr. Johnson,

On August 6, 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 "A", Section 1, Township 26 South and Range 36 East in rural Lea County, New Mexico. The release GPS coordinates were 32° 04.762' N, 103° 12.657' 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 July 28, 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 3,822 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 3.44 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 August 1, 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 twelve (12) feet in width by fifteen (15) feet in length and

five (5) feet bgs. On August 1, 2008, following the excavation activities, two (2) soil samples (P.R. @ 5' 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. The analytical results indicated TPH concentrations were less than the laboratory MDL for both soil samples. Soil sample P.R. @ 5' 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. The chloride concentration was less than 16.0 mg/Kg. 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 #9 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 #9
LEA COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M			METHOD: E300
				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)	TOTAL TPH C ₆ -C ₂₈ (mg/Kg)	CHLORIDE (mg/Kg)
P.R. @ 5'	5 ft bgs	08/01/08	In-Situ	<0.002	<0.002	<0.002	0.016	0.016	<10	<10	<10	<16
B-Comp	-	08/01/08	In-Situ	-	-	-	-	-	<10	<10	<10	-

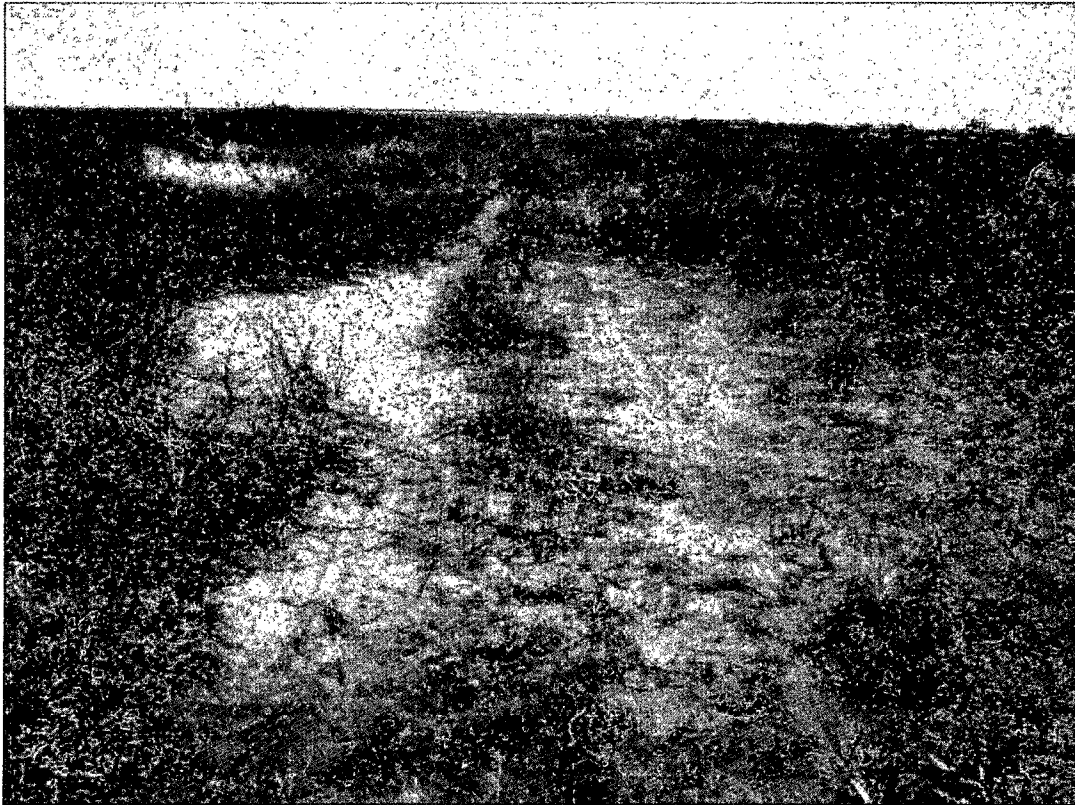


Photo 1

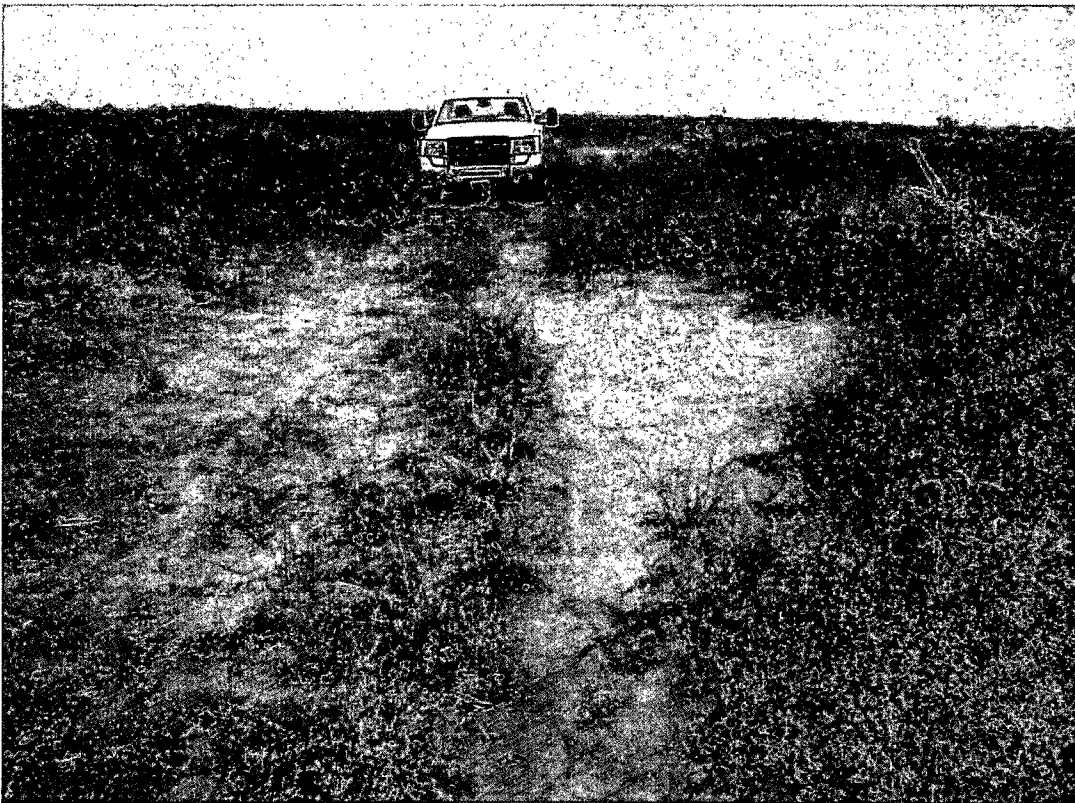
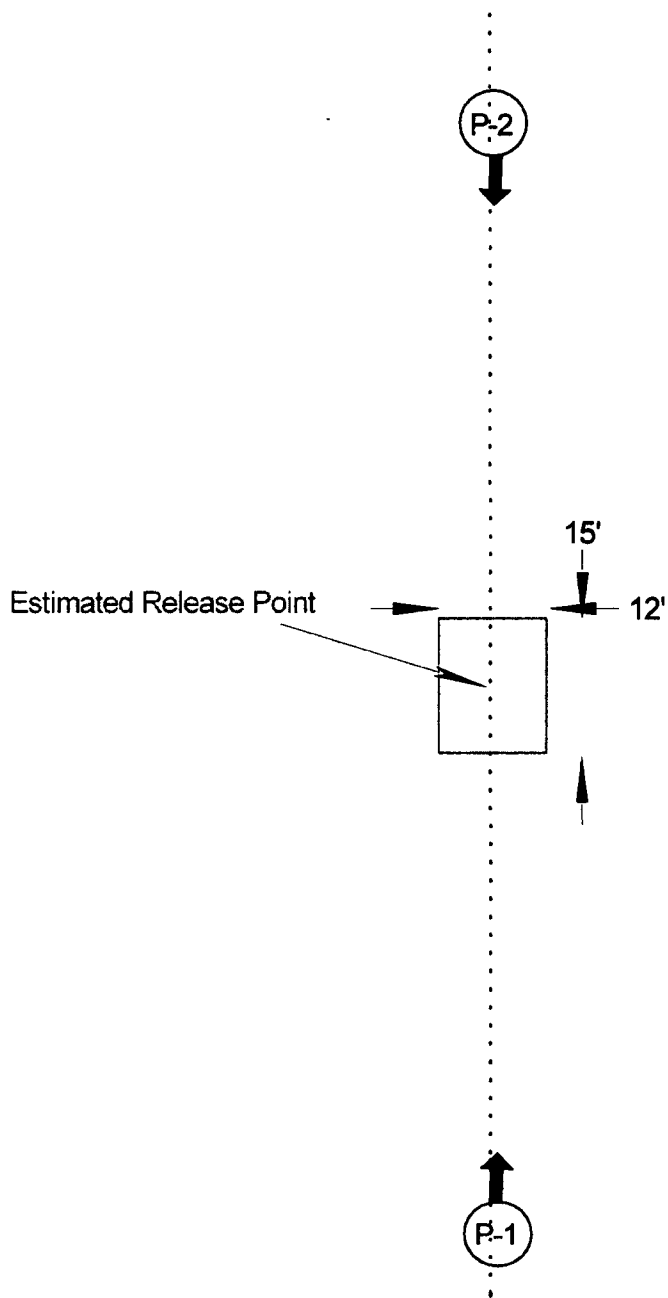


Photo 2

Southern Union Gas Services Site: Sheperd #9
Job # 2008-019
Site Assessment 5/5/08



Approximate
Scale 1"= 20'

N

Unit ltr."A"
Section 1
Twns.-26 S
Range 36E
County-Lea, N.M.
GPS
Lat- 32-04.762N
Long-103-12.657W

Southern Union
Gas Services

Site Plan-Sheperd #9

Lea County Area Jal, N.M.

2008-019

Figure 1



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

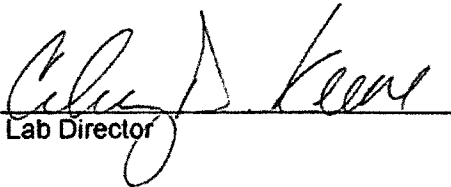
ANALYTICAL RESULTS FOR
SOUTHERN UNION GAS SERVICES
ATTN: TONY SAVOIE
P.O. BOX 1226
JAL, NM 88252

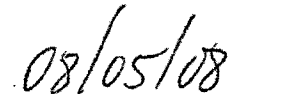
Receiving Date: 08/01/08
Reporting Date: 08/05/08
Project Number: 2008-019
Project Name: SHEPERD #19-9
Project Location: ANTHONY RANCH

Sampling Date: 08/01/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO	DRO
		(C ₆ -C ₁₀) (mg/kg)	(>C ₁₀ -C ₂₈) (mg/kg)
ANALYSIS DATE:		08/02/08	08/02/08
H15653-1	PR @ 5'	<10.0	<10.0
H15653-2	B-COMP.	<10.0	<10.0
Quality Control		503	424
True Value QC		500	500
% Recovery		101	84.8
Relative Percent Difference		2.0	5.8

METHOD: SW-846 8015 M


Lab Director


Date

H15653T SUGS

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ANALYTICAL RESULTS FOR
SOUTHERN UNION GAS SERVICES
ATTN: TONY SAVOIE
P.O. BOX 1226
JAL, NM 88252

Receiving Date: 08/01/08
Reporting Date: 08/05/08
Project Number: 2008-019
Project Name: SHEPERD #109
Project Location: ANTHONY RANCH

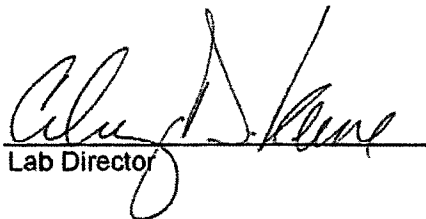
Sampling Date: 08/01/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: ZL/HM

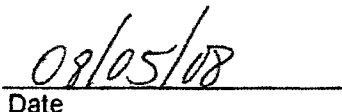
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:		08/04/08	08/04/08	08/04/08	08/04/08	08/04/08
H15653-1	PR @ 5'	<16	<0.002	<0.002	<0.002	0.016
Quality Control		500	0.056	0.053	0.054	0.161
True Value QC		500	0.050	0.050	0.050	0.150
% Recovery		100	112	106	108	107
Relative Percent Difference		<0.1	0.7	0.8	1.0	0.9

METHODS: Cl⁻ - Std. Methods 4500-Cl⁻B; BTEX - EPA SW-846-8021

*Analysis performed on a 1:4 aqueous extract.

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.


Lab Director


Date

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



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Page 7 of 7

[illegible]

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, and all costs of collections, including attorney's fees.

Sampler Relinquished:		Date: 8/1/08		Received By: [Signature]		Phone Result: <input type="checkbox"/> No		Add'l Phone #:	
[Signature: Don Green]		Time: 15:54				Fax Result: <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:			
		Time:							
Delivered By: (Circle One)		Temp.		Sample Condition					
Sampler - UPS - Bus - Other:				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		(Initials) [Signature: MCB]			

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

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Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

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

Surface Owner: Jay Anthony	Mineral Owner: State of New Mexico	Lease No. 30-025-09838-00-00
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LOCATION OF RELEASE

Unit Letter A	Section 1	Township 26S	Range 36E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
------------------	--------------	-----------------	--------------	---------------	------------------	---------------	----------------	---------------

Latitude N32 4.762 Longitude W103 12.657

NATURE OF RELEASE

Type of Release : Natural Gas	Volume of Release: Unknown	Volume Recovered None
Source of Release : 4" Natural Gas Pipeline	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 7/22/04 Time: 9:00 a.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A 4" Natural gas pipeline leaked prior to Southern Union Gas Services operations. The pipeline has been idle for approximately 5 years, and the leak areas were there several years prior to taking the line out of service.
The leak areas were identified by the landowner and the worse case site was photographed and sampled in July 2004.

Describe Area Affected and Cleanup Action Taken. An area measuring approximately 180 sq. ft. has a dry grey to white discoloration. The discolored soil will be removed to a depth sufficient to restore a root bearing zone. All remediation activities will follow the NMOCD guidelines.

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

Signature: <i>Tony Savoie</i>	OIL CONSERVATION DIVISION	
Printed Name: John A. Savoie	Approved by District Supervisor <i>[Signature]</i>	
Title: Waste Management and Remediation Specialist	ENVIRONMENTAL ENGINEER	
E-mail Address: tony.savoie@sug.com	Approval Date: 7.28.08	Expiration Date: 9.29.08
Date: 7/24/08 Phone: 575-395-2116	Conditions of Approval: <i>Submit Final C-141</i> <i>2 RR-1915</i>	

* Attach Additional Sheets If Necessary

documentation by

PERL 0821942380

Summary Report

Chris Garcia
Range Operating-Eunice

Report Date: July 14, 2010

P. O. Box 1570
Eunice, NM 88231

Work Order: 10070918



Project Location: Eve Blinbury Pad Closure
Project Name: Eva Blinbury Fed A-S

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
237106	WH-S @ 1'	soil	2010-07-07	09:40	2010-07-09
237107	WH-S @ 3.5'	soil	2010-07-07	09:50	2010-07-09
237108	WH-E @ 1'	soil	2010-07-07	10:00	2010-07-09
237109	WH-W @ 1'	soil	2010-07-07	10:10	2010-07-09
237110	WH-N @ 1'	soil	2010-07-07	10:20	2010-07-09
237111	WH-N @ 3.5'	soil	2010-07-07	10:30	2010-07-09
237112	SE Corner @ 1'	soil	2010-07-07	10:40	2010-07-09
237113	SE Corner @ 3.5'	soil	2010-07-07	10:50	2010-07-09
237114	NE Corner @ 1'	soil	2010-07-07	11:00	2010-07-09
237115	NE Corner @ 3.5'	soil	2010-07-07	11:10	2010-07-09
237116	N Side @ Road 1'	soil	2010-07-07	11:20	2010-07-09
237117	NW Corner @ 1'	soil	2010-07-07	08:30	2010-07-09
237118	E Middle Pad Edge @ 1'	soil	2010-07-07	08:40	2010-07-09
237119	W Side @ 1'	soil	2010-07-07	08:50	2010-07-09
237120	S Side @ 1'	soil	2010-07-07	09:00	2010-07-09
237121	E Side by WH	soil	2010-07-07	09:10	2010-07-09
237122	N Mid btwn WH & Pad	soil	2010-07-07	09:20	2010-07-09
237123	N Side @ 1'	soil	2010-07-07	09:30	2010-07-09

Sample - Field Code	BTEX				MTBE	TPH DRO - NEW	TPH GRO
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
237106 - WH-S @ 1'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
237107 - WH-S @ 3.5'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
237108 - WH-E @ 1'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
237109 - WH-W @ 1'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
237110 - WH-N @ 1'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
237111 - WH-N @ 3.5'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
237112 - SE Corner @ 1'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00

continued ...

... continued

Sample - Field Code	BTEX				MTBE	TPH DRO - NEW	TPH GRO
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
237113 - SE Corner @ 3.5'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
237114 - NE Corner @ 1'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
237115 - NE Corner @ 3.5'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
237116 - N Side @ Road 1'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
237117 - NW Corner @ 1'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
237118 - E Middle Pad Edge @ 1'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
237119 - W Side @ 1'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
237120 - S Side @ 1'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
237121 - E Side by WH	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
237122 - N Mid btwn WH & Pad	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
237123 - N Side @ 1'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00

Sample: 237106 - WH-S @ 1'

Param	Flag	Result	Units	RL
Chloride		1570	mg/Kg	2.50

Sample: 237107 - WH-S @ 3.5'

Param	Flag	Result	Units	RL
Chloride		75.8	mg/Kg	2.50

Sample: 237108 - WH-E @ 1'

Param	Flag	Result	Units	RL
Chloride		521	mg/Kg	2.50

Sample: 237109 - WH-W @ 1'

Param	Flag	Result	Units	RL
Chloride		682	mg/Kg	2.50

Sample: 237110 - WH-N @ 1'

Param	Flag	Result	Units	RL
Chloride		<25.0	mg/Kg	2.50

Sample: 237111 - WH-N @ 3.5'

Param	Flag	Result	Units	RL
Chloride		152	mg/Kg	2.50

Sample: 237112 - SE Corner @ 1'

Param	Flag	Result	Units	RL
Chloride		919	mg/Kg	2.50

Sample: 237113 - SE Corner @ 3.5'

Param	Flag	Result	Units	RL
Chloride		<25.0	mg/Kg	2.50

Sample: 237114 - NE Corner @ 1'

Param	Flag	Result	Units	RL
Chloride		1190	mg/Kg	2.50

Sample: 237115 - NE Corner @ 3.5'

Param	Flag	Result	Units	RL
Chloride		322	mg/Kg	2.50

Sample: 237116 - N Side @ Road 1'

Param	Flag	Result	Units	RL
Chloride		<25.0	mg/Kg	2.50

Sample: 237117 - NW Corner @ 1'

Param	Flag	Result	Units	RL
Chloride		5780	mg/Kg	2.50

Sample: 237118 - E Middle Pad Edge @ 1'

Param	Flag	Result	Units	RL
Chloride		2750	mg/Kg	2.50

Sample: 237119 - W Side @ 1'

Param	Flag	Result	Units	RL
Chloride		426	mg/Kg	2.50

Sample: 237120 - S Side @ 1'

Param	Flag	Result	Units	RL
Chloride		1800	mg/Kg	2.50

Sample: 237121 - E Side by WH

Param	Flag	Result	Units	RL
Chloride		5690	mg/Kg	2.50

Sample: 237122 - N Mid btwn WH & Pad

Param	Flag	Result	Units	RL
Chloride		180	mg/Kg	2.50

Sample: 237123 - N Side @ 1'

Param	Flag	Result	Units	RL
Chloride		56.9	mg/Kg	2.50