

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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

Form C-141
Revised August 8, 2011

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

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Southern Union Gas Services	Contact	Rose Slade
Address	801 S. Loop 464, Monahans, TX 79756	Telephone No.	817-302-9716
Facility Name	MF-16" (1/28/09)	Facility Type	Natural Gas Gathering

Surface Owner : Millard Deck	Mineral Owner: State	API No.: 30-025-28822
------------------------------	----------------------	-----------------------

LOCATION OF RELEASE

Unit Letter N	Section 15	Township 21 S	Range 37 E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
------------------	---------------	------------------	---------------	---------------	------------------	---------------	----------------	---------------

Latitude N32° 28.323' Longitude W103° 09.211'

NATURE OF RELEASE

Type of Release : Crude Oil and Natural Gas	Volume of Release: 60 mcf natural gas & 25 bbls crude oil	Volume Recovered 5 bbls
Source of Release : 16" Natural Gas Pipeline	Date and Hour of Occurrence 1/28/09 approx 1:00 p.m.	Date and Hour of Discovery 1/28/09 2:00 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? M. Whitaker	
By Whom? Rose Slade	Date and Hour: 1/28/09 2:25 p.m.	
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.*

The 16" Pipeline operating at approximately 30 p.s.i. developed a leak; a repair crew was dispatched to the facility to shut in the line segment. A vacuum truck was used to pick up all of the free standing liquids; dry dirt was used to absorb the liquid that could not be picked up. The crude oil was 27 deg. API gravity. A temporary clamp was installed on the line until permanent repairs can be made.

Describe Area Affected and Cleanup Action Taken.*

All clean-up actions are completed. See attached summary.

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 constitute acceptance of federal, state, or local laws and/or regulations.

Signature: 	A	
Printed Name: Rose Slade		
Title: EHS Compliance Specialist	Approval Date: 2/5/14	Expiration Date:
E-mail Address: rose.slade@sug.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date:	Phone: 817-302-9716	RP#: 2073

APPROVED

* Attach Additional Sheets If Necessary

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

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State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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

**Release Notification and Corrective Action
OPERATOR**

☒ Initial Report ☐ Final Report

Name of Company	Southern Union Gas Services, Ltd.	Contact	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: Millard Deck	Mineral Owner: State	Lease No.	

LOCATION OF RELEASE

Unit Letter N	Section 15	Township 21S	Range 37E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	---------------

Latitude N32 28.323 Longitude W103 09.211

NATURE OF RELEASE

Type of Release : Crude Oil and Natural Gas	Volume of Release: 60 mcf natural gas & 25 bbls crude oil	Volume Recovered : 5 bbls
Source of Release : 16" Natural Gas Pipeline	Date and Hour of Occurrence 1/28/09 approx 1:00 p.m.	Date and Hour of Discovery 1/28/09 2:00 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? M. Whitaker	
By Whom? Tony Savoie	Date and Hour: 1/28/09 2:25 p.m.	
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.*

The 16" Pipeline operating at approximately 30 p.s.i. developed a leak; a repair crew was dispatched to the facility to shut in the line segment. A vacuum truck was used to pick up all of the free standing liquids; dry dirt was used to absorb the liquid that could not be picked up. The crude oil was 27deg. API gravity. A temporary clamp was installed on the line until permanent repairs can be made.

Describe Area Affected and Cleanup Action Taken. An area measuring approximately 3,900 sq. ft. of pasture land was affected by the release. All of the affected release area will be remediated in accordance to the NMOCD guidelines for leaks and spills.

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

Signature: <i>Tony Savoie</i>	OIL CONSERVATION DIVISION	
Printed Name: John A. Savoie	Approved by District Supervisor: <i>Johnson</i> ENVIRONMENTAL ENGINEER	
Title: Waste Management and Remediation Specialist	Approval Date: 2.5.09	Expiration Date: 4.8.05
E-mail Address: tony.savoie@sug.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1/30/09 Phone: 575-395-2116	Submit Form C-141 w/Documentation	IRP# 09.02.2073

* Attach Additional Sheets if Necessary

I. Clean-up Criteria Based on Ranking Analysis

Site Ranking		Points
Depth to Ground Water	Average depth is between 53 and 70 ft based on NMOSE database search for surrounding sections that was submitted with initial C-141. Ranking analysis form submitted with initial C-141 indicated average depth was less than 50 ft, but no basis was provided.	10
Well Head Protection	2013 Horizontal ft.	0
Surface Water Body	0.42 Horizontal Miles	0
Total Ranking Score		10

	Benzene (mg/kg)	BTEX (mg/kg)	TPH (mg/kg) "Surface"	Chlorides (mg/kg)
Site Closure Objective	10	50	1000	500

II. Area Affected and Clean-up Action Taken

Date	Action
01/29/2009	Completed the initial visual assessment. The initial assessment indicated that approximately 1340 sq. ft. of pasture land was affected by the release and temporary repair.
02/12/2009	Notify response contractor with driving directions and to make one call
02/16/2009	Excavate and stockpile soil, load and haul contaminated soil to SUGS land farm
02/17/2009	Excavate and stockpile soil, load and haul contaminated soil to SUGS land farm
02/18/2009	Excavate and stockpile soil, load and haul contaminated soil to SUGS land farm
02/26/2009	Collect samples; run PID; jar and deliver six samples to lab. Lab results were below present closure objectives, but three samples indicated TPH concentrations above the assumed closure objective at the time of the excavation activity, as a result excavation continued.
03/03/2009	Excavate and stockpile soil, load and haul contaminated soil to SUGS land farm
03/04/2009	Excavate and stockpile soil, load and haul contaminated soil to SUGS land farm
03/05/2009	Excavate and stockpile soil, load and haul contaminated soil to SUGS land farm
03/06/2009	Excavate and stockpile soil, load and haul contaminated soil to SUGS land farm; collect samples, run PID, jar and deliver four soil samples to lab. Bottom sample was collected at a depth of 18 ft. Lab results for all four samples were below closure objectives. This completed excavation in this area (the area where the leak occurred).
03/09/2009	Excavate and stockpile soil, load and haul contaminated soil to SUGS land farm; collect samples, run PID, jar and deliver nine soil samples to lab. Lab results were above closure objectives for two samples collected from the west wall of the excavated area (the "scrape" area).
03/10/2009	Push up caliche at borrow pit, load and haul backfill material, backfill and compact soil clean section of scrape area.
03/12/2009	Push up caliche at borrow pit, load and haul backfill material, backfill and compact soil
03/13/2009	Push up caliche at borrow pit, load and haul backfill material, backfill and compact soil
03/16/2009	Load and haul backfill soil to site
03/17/2009	Load and haul backfill material, backfill and compact soil
03/18/2009	Excavate additional soil from west wall of remaining affected area; load and haul contaminated soil to SUGS land farm

03/19/2009	Load and haul contaminated soil to SUGS land farm; collect samples, run PID, jar and deliver four soil samples to lab; install safety fence. Lab results were below closure objectives for all four soil samples. Excavation at the site is complete.
03/20/2009	Load and haul top soil backfill material, backfill and compact soil; clean-up site.
03/23/2009	Finish clean-up around site. Activities complete. A total of 1164 cu. yds. of contaminated soil were transported to the SUGS land farm.

III. Additional Supporting Documentation:

- A. Table 1: Summary of Laboratory Results
- B. Site Diagram
- C. Initial C-141 Submittal
 - i. Initial C-141 Report
 - ii. Remediation Plan Cover Page
 - iii. Site Remediation Plan Cover Page
 - iv. Site Topography Map
 - v. POD Reports and Downloads
 - vi. Ranking Analysis
 - vii. Site Diagram
 - viii. Site Photographs
- D. Lab Reports
- E. Daily Time Ticket Summary and copy of Daily Time Tickets
- F. Site Photographs

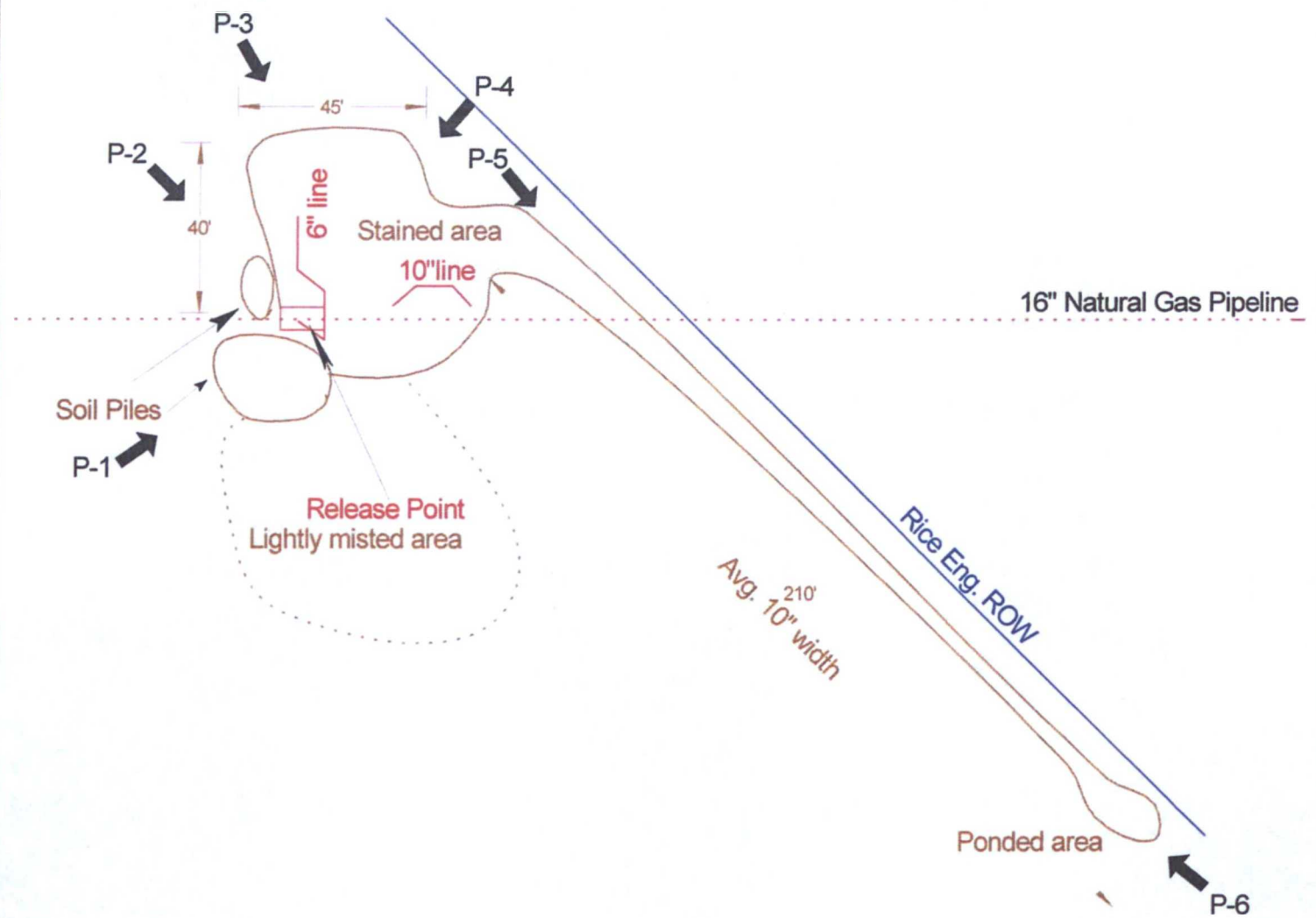
Table 1. Summary of Analytical Results
Site Name: MF-16"; SUGS#: 2009-005; RP#: 2073
Southern Union Gas Services

Sampling Date	Sample ID/Location	Method SW-8015b			Method SW 846-8021b					SM 4500
		GRO C6-C12 mg/kg	DRO >C12-C-35 mg/kg	Total TPH C6-C35 mg/kg	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Xylenes mg/kg	Total BTEX mg/kg	Chloride mg/kg
NMOCD SCREENING CRITERIA		---	---	1000	10	---	---	---	50	500
02/26/09	B-#25	13.2	43.1	56.3	< 0.0011	< 0.0022	< 0.0011	< 0.0022	< 0.0022	448
02/26/09	B-#24	< 10.0	28.1	28.1	< 0.050	< 0.050	< 0.050	< 0.300	< 0.300	NA
02/26/09	B-COMP.	< 10.0	260	260	NA	NA	NA	NA	NA	NA
02/26/09	SW-COMP.	< 10.0	596	596	NA	NA	NA	NA	NA	NA
02/26/09	EW-COMP.	< 10.0	90.7	90.7	NA	NA	NA	NA	NA	NA
02/26/09	WW-COMP.	< 10.0	190	190	NA	NA	NA	NA	NA	NA
03/06/09	P.R @ 18'	< 10.0	< 10.0	< 10.0	< 0.050	< 0.050	< 0.050	< 0.300	< 0.300	NA
03/06/09	SW-COMP.	< 10.0	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA
03/06/09	WW-COMP.	< 10.0	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA
03/06/09	B-COMP.	< 10.0	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA
03/09/09	B-COMP.	< 10.0	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA
03/09/09	SW-COMP.	< 10.0	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA
03/09/09	WW-COMP.	< 10.0	504	504	NA	NA	NA	NA	NA	NA
03/09/09	NW-COMP.	< 10.0	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA
03/09/09	S2-COMP.	< 10.0	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA
03/09/09	S3-COMP.	< 10.0	81.3	81.3	NA	NA	NA	NA	NA	NA
03/09/09	S4-COMP.	< 10.0	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA
03/09/09	WW-#2	233	11400	11633	NA	NA	NA	NA	NA	NA
03/09/09	EW-COMP.	< 10.0	12.7	12.7	NA	NA	NA	NA	NA	NA
03/19/09	B-COMP.	< 10.0	< 10.0	< 10.0	NA	NA	NA	NA	NA	NA
03/19/09	NW-COMP.	< 10.0	60.0	60.0	NA	NA	NA	NA	NA	NA
03/19/09	WW-COMP.	< 10.0	19.1	19.1	NA	NA	NA	NA	NA	NA
03/19/09	SW-COMP.	< 10.0	19.2	19.2	NA	NA	NA	NA	NA	NA

Notes:

NA = Not Analysed

ND = Analyte was not detected



Approximate
Scale 1"= 40'



Southern Union
Gas Services

SITE PLAN: MF 16"

Lea County Area

Unit ltr. "N"
Section 15
Twms.-21S
Range 37E
County-Lea, N.M.
GPS
Lat- N32-28.323
Long-W103-09.211

2009-005

Figure 1



Remediation Plan

@

MF-16"

Project # 2009-005

NMOCD RP#09-02-2073

Unit ltr."N" Section 15 Twns. 21S Range 37E

Lea County, New Mexico

Site Remediation Plan

**Southern Union Gas Services
MF-16"
2009-005**

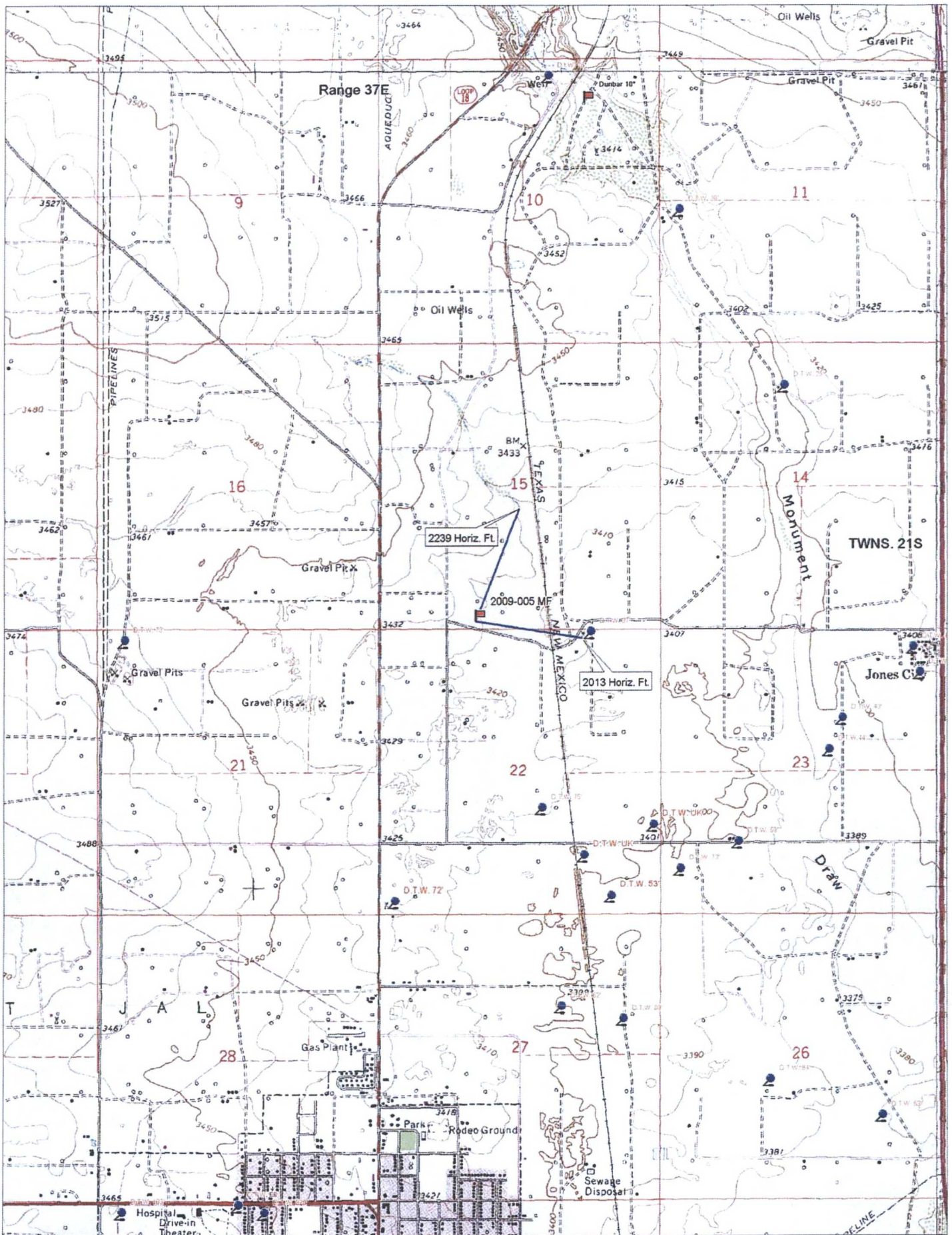
Unit ltr. "N" Section 15, Twns. 21S, Range 37E

Waste Management and Remediation Specialist

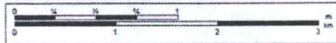
Signature_____

Date:_____

**Tony Savoie
P.O. Box 1226
Jal, New Mexico 88252
575-631-9376
E-mail: tony.savoie@sug.com**



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New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 21S Range: 37E Sections: 14,15,16,21,22,23

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic
☒ All

POD / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

iWATERS Menu

Help

AVERAGE DEPTH OF WATER REPORT 01/30/2009

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg
CP	21S	37E	16				1	70	70	70
CP	21S	37E	22				1	53	53	53
CP	21S	37E	23				2	65	65	65

Record Count: 4

**New Mexico Office of the State Engineer
POD Reports and Downloads**

Township: 21S Range: 37E Sections: 14,15,16,21,22,23

NAD27 X: Y: Zone: ☐ Search Radius:

County: ☐ Basin: ☐ Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic
☒ All

POD / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

iWATERS Menu

Help

WATER COLUMN REPORT 01/30/2009

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water Column
CP 00554	21S	37E	16	2	2					80	70	1
CP 00252	21S	37E	22	4	2	4				106		
CP 00251	21S	37E	22	4	3	2				103		
CP 00881	21S	37E	22	4	4	3				95	53	4
CP 00235	21S	37E	23	1	2	2				81		
CP 00241	21S	37E	23	1	2	4				76		
CP 00240	21S	37E	23	1	2	4				72		
CP 00700	21S	37E	23	2						75	65	1
CP 00239	21S	37E	23	2	1	1				89		
CP 00236	21S	37E	23	2	1	3				83		
CP 00562	21S	37E	23	2	2	1				136	65	7
CP 00014	21S	37E	23	2	3	1				84		
CP 00238	21S	37E	23	2	3	3				81		
CP 00224	21S	37E	23	3	3	4				96		

Record Count: 14

MF-16"

Job # 2009-005

Ranking Analysis

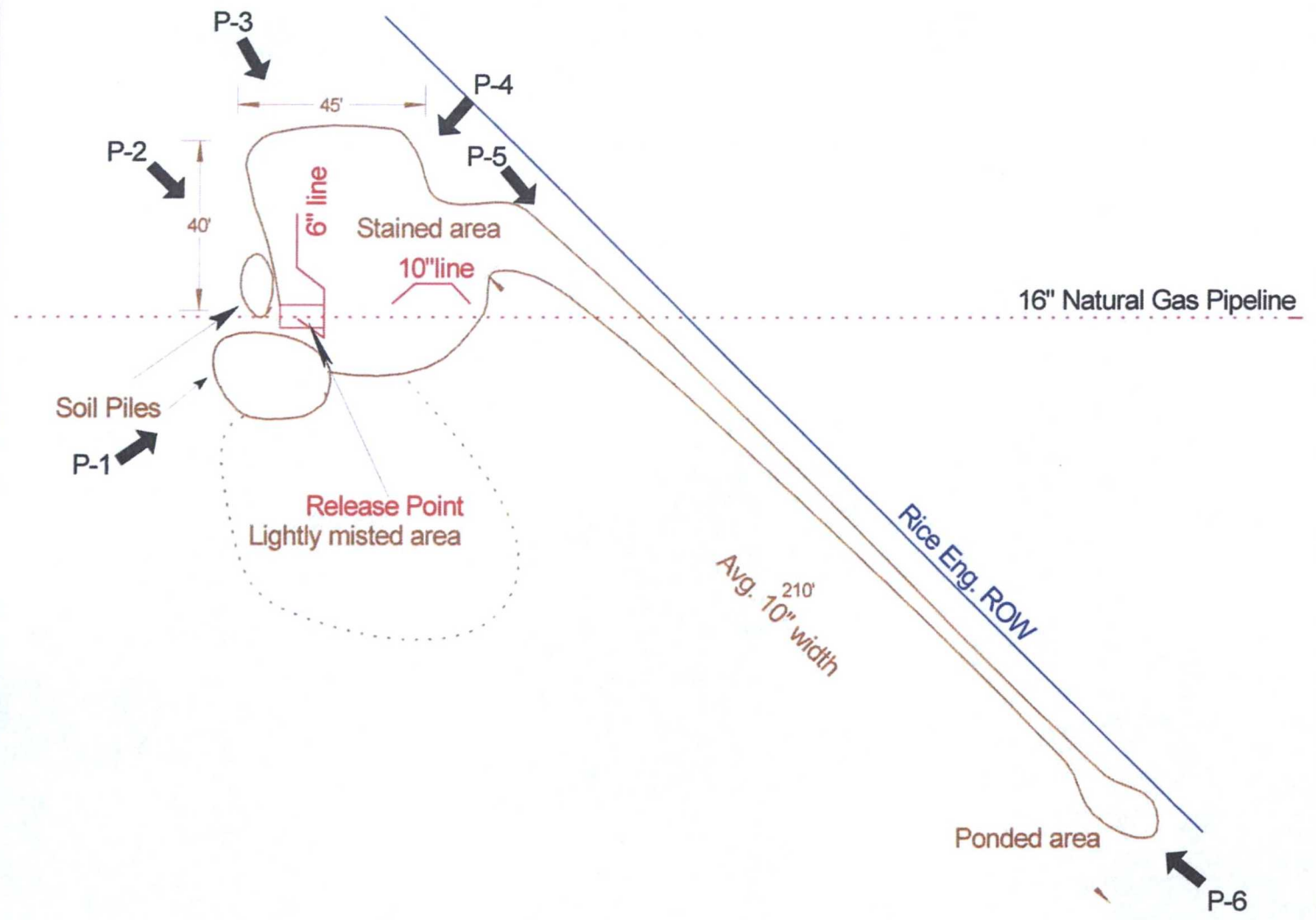
NMOCD Standards			Points
Depth to Ground Water	Greater than 100 ft.		0
Depth to Ground Water	Less than 100 ft. but greater than 50 ft.		10
Depth to Ground Water	Less than 50 ft.		20
Well Head Protection	Less than 1000 ft. from a water source, or;	Yes	20
	Less than 200 ft. from private domestic water source	No	0
Distance to Surface water body	Less than 200 Horizontal. ft.		20
Distance to Surface water body	200 to 1000 Horizontal ft.		10
Distance to Surface water body	Greater than 1000 Horizontal ft.		0
Action levels	>19	10-19	0-9
Benzene (mg/kg)	10	10	10
BTEX (mg/kg)	50	50	50
TPH (mg/kg)	100	1000	5000

Site Ranking		Points
Depth to Ground Water	<50 ft.	20
Well Head Protection	2013 Horiz. Ft.	0
Surface Water Body	2239 Horiz. Ft.	0
Total Ranking Score		20

Site Closure Objective	
Benzene (mg/kg)	10
BTEX (mg/kg)	50
TPH (mg/kg) "Surface"	100

Remediation Plan:

All affected soil will be excavated and sampled for the presence of Hydrocarbons EPA method (8015M)
 Soil with TPH values greater than 100 mg/kg will be transported to the S.U.G.S. Landfarm
 Soil samples will be collected from the excavation and analyzed for Hydrocarbons EPA method (8015M)
 the soil sample with the highest PID reading and the point of release will be analyzed for BTEX
 All samples will be field screened with a "PID" The soil sample with the highest PID reading will be analyzed separately and tested for BTEX.



Approximate
Scale 1"= 40'



Unit ltr."N"
Section 15
Twns.-21S
Range 37E
County-Lea, N.M.
GPS
Lat- N32-28.323
Long-W103-09.211



SITE PLAN: MF 16" **Lea County Area**

2009-005
Figure 1



Photo 1

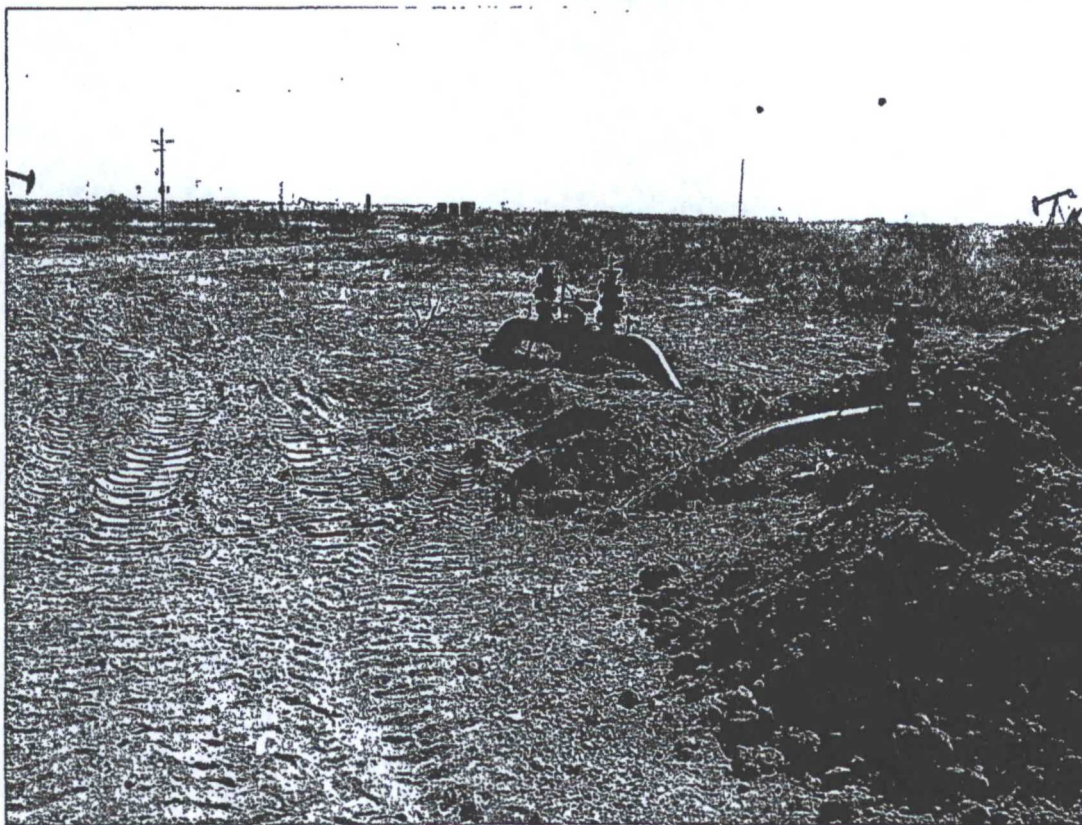


Photo 2

Southern Union Gas Services Site: MF-16"
Job # 2009-005
Site Assessment 1/29/09

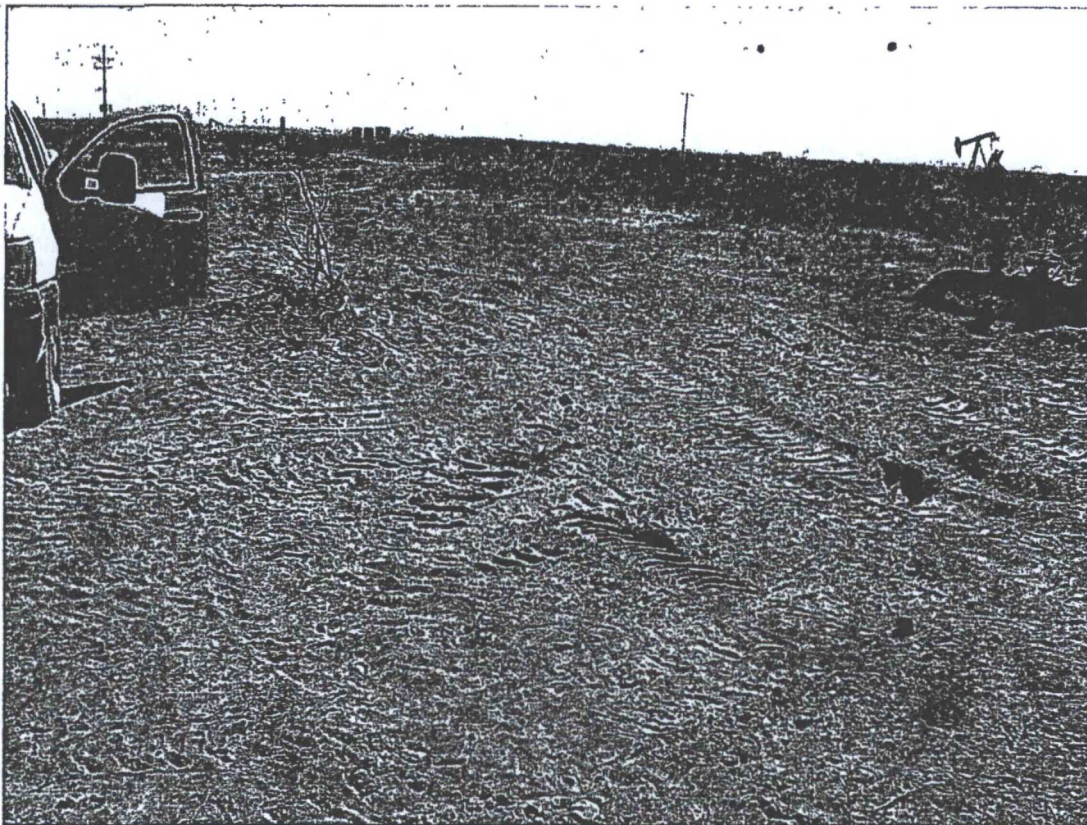


Photo 3



Photo 4

Southern Union Gas Services Site: MF-16"
Job # 2009-005
Site Assessment 1/29/09



Photo 5

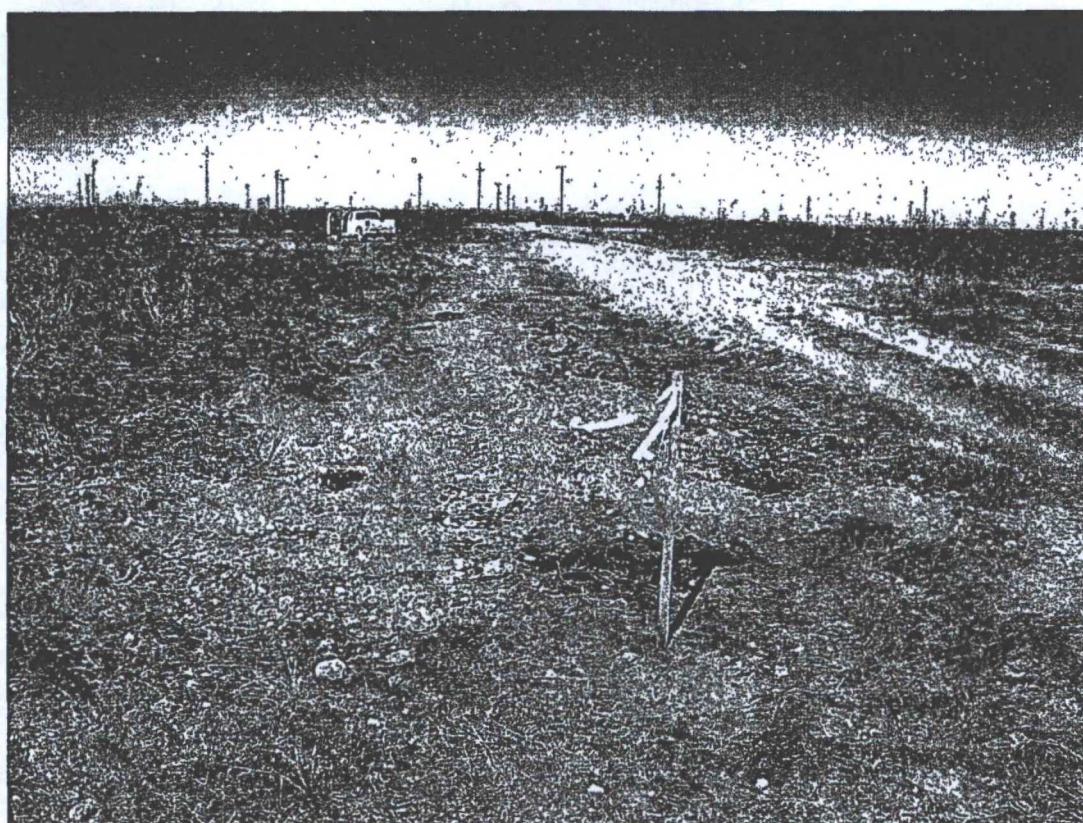


Photo 6

Southern Union Gas Services Site: MF-16"
Job # 2009-005
Site Assessment 1/29/09



ARDINAL LABORATORIES

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: 02/26/09
Reporting Date: 03/03/09
Project Number: 2009-005
Project Name: MB-5
Project Location: DECK RANCH

Sampling Date: 02/26/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: CK/AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)
		02/27/09	02/27/09
H16974-1	B-#25	13.2	43.1
H16974-2	B-#24	<10.0	28.1
H16974-3	B-COMP.	<10.0	260
H16974-4	SW-COMP.	<10.0	596
H16974-5	EW-COMP.	<10.0	90.7
H16974-6	WW-COMP.	<10.0	190
Quality Control		549	553
True Value QC		500	500
% Recovery		110	111
Relative Percent Difference		0.6	11.4

METHODS: TPH GRO & DRO: EPA SW-846 8015 M


Chemist


Date

H16974 T SUGS

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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

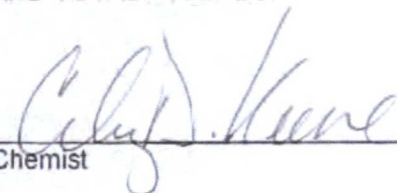
Receiving Date: 02/26/09
Reporting Date: 02/27/09
Project Number: 2009-005
Project Name: MB-5
Project Location: DECK RANCH

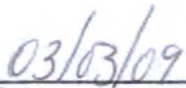
Sampling Date: 02/26/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: ZL

LAB NUMB	SAMPLE ID	ETHYL TOTAL			
		BENZENE	TOLUENE	BENZENE	XYLENES
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
ANALYSIS DATE		02/26/09	02/26/09	02/26/09	02/26/09
H16974-2 B-#24		<0.050	<0.050	<0.050	<0.300
Quality Control		0.050	0.051	0.051	0.154
True Value QC		0.050	0.050	0.050	0.150
% Recovery		100	102	102	103
Relative Percent Difference		2.0	1.9	<1.0	1.3

METHOD: EPA SW-846 8021B

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


Cheryl Keene
Chemist


03/03/09
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.



CARDINAL LABORATORIES

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

Page 1 of 1

Company Name: SH.G.S.		BILL TO		ANALYSIS REQUEST																															
Project Manager: Tony Savie		P.O. #:																																	
Address: 610 Commerce		Company:																																	
City: JAL		Attn:																																	
State: NM Zip: 88252		Address:																																	
Phone #: 575-395-2116 Fax #:		City:																																	
Project #: 2009-005 Project Owner:		State:																																	
Project Name: MB-5		Zip:																																	
Project Location: Deck Ranch		Phone #:																																	
Sampler Name: Don Green		Fax #:																																	
FOR LAB USE ONLY																																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		MATRIX		PRESERV.		SAMPLING																			
1 B-#25		G 1														DATE		TIME		TPH- 8015															
2 B-#24		G 1														2-26-09		9:00		BTEX															
3 B-comp.		C 1														"		"		CL															
4 SW-comp.		C 1														"		"																	
5 EW-comp.		C 1														"		"																	
6 WW-comp.		C 1														"		"																	
FULLER NOTE: Liability and Damages: Cardholder's liability and any other claims arising from this contract shall be limited to the amount paid by the client for the service. No other claims, including those for negligence and any other claims whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the predictive service. No member shall 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 resulting from the performance of services rendered by Cardinal. Limitations of liability: such claim is based upon any of the above stated reasons or otherwise.																																			
Sampler Relinquished:														Date: 2-26-09		Received By: Don Green		Phone Result: <input type="checkbox"/>		No		Add'l Phone #:													
Relinquished By: Don Green														Time: 10:11		Date: 2-26-09		Fax Result: <input type="checkbox"/>		No		Add'l Fax #:													
Delivered By: (Circle One) Delivered														Temp. Delivered		Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Damaged		Checked By: Don Green		(Initials)															
Sampler - UPS - Bus - Other: <input type="checkbox"/>														Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		REMARKS:																	

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

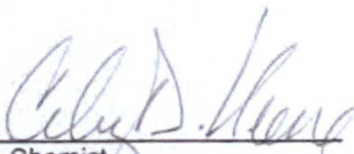
Receiving Date: 02/26/09
Reporting Date: 03/03/09
Project Number: 2009-005
Project Name: MB-5
Project Location: DECK RANCH

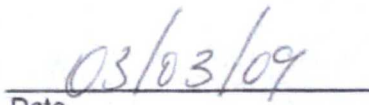
Analysis Date: 02/27/09
Sampling Date: 02/26/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H16974-1	B-#25	448
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods 4500-Cl⁻B

Note: Analysis performed on a 1:4 w:v aqueous extract.


Chemist


Date

H16974 SUGS

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

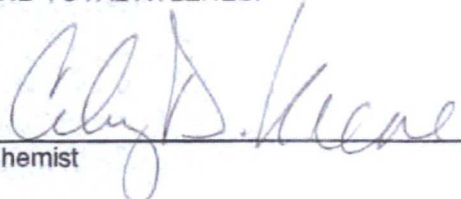
Receiving Date: 03/06/09
Reporting Date: 03/06/09
Project Number: 2009-005
Project Name: MF-16"
Project Location: DECK RANCH

Sampling Date: 03/06/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: ZL

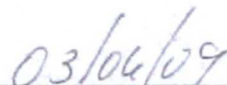
LAB NUMBI SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE	03/06/09	03/06/09	03/06/09	03/06/09
H17022-1 P.R. @ 18'	<0.050	<0.050	<0.050	<0.300
Quality Control	0.049	0.049	0.056	0.164
True Value QC	0.050	0.050	0.050	0.150
% Recovery	98.0	98.0	112	109
Relative Percent Difference	5.4	1.0	1.2	<1.0

METHOD: EPA SW-846 8021B

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



Chemist



Date

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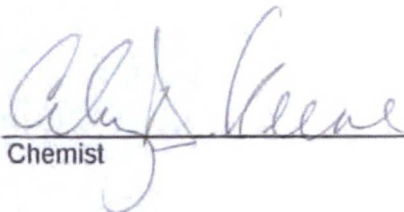
ANALYTICAL RESULTS FOR
SOUTHERN UNION GAS SERVICES
ATTN: TONY SAVOIE
P.O. BOX 1226
JAL, NM 88252


Receiving Date: 03/06/09
Reporting Date: 03/06/09
Project Number: 2009-005
Project Name: MF16"
Project Location: DECK RANCH

Sampling Date: 03/06/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: CK/AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)
		03/06/09	03/06/09
H17022-1	P.R. @ 18'	<10.0	<10.0
Quality Control		481	523
True Value QC		500	500
% Recovery		96.2	105
Relative Percent Difference		1.9	<0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M


Chemist


Date

H17022 T SUGS

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Page 1 of 2

Company Name: SH.6.5.		BILL TO		ANALYSIS REQUEST									
Project Manager: Tony Savoie		P.O. #:											
Address: 610 Commerce		Company:											
City: JAL		Attn:											
Phone #: 575-395-2116		Address:											
Fax #: 2009-005		City:											
Project Name: MF-16"		State: zip:											
Project Location: DECK RANCH		Phone #:											
Sampler Name: Don Green		Fax #:											
LAB USE ONLY		PRESERV		SAMPLING									
Lab I.D.		GROUNDWATER											
Sample I.D.		WASTEWATER											
H17022-1		SOIL											
RRQ 18'		OIL											
G 1		SLUDGE											
		OTHER:											
		ACID/BASE:											
		ICE / COOL											
		OTHER:											
		DATE											
		TIME											
		3-6-09 9:15											
		✓		TPH 8015									
		✓		BTEx									

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Page 1 of 4

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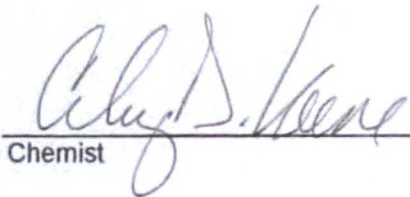
ANALYTICAL RESULTS FOR
SOUTHERN UNION GAS SERVICES
ATTN: TONY SAVOIE
P.O. BOX 1226
JAL, NM 88252

Receiving Date: 03/09/09
Reporting Date: 03/12/09
Project Number: 2009-005
Project Name: MF-16"
Project Location: DECK RANCH

Sampling Date: 03/09/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (C ₁₀ -C ₂₈) (mg/kg)
		03/11/09	03/11/09
H17036-1	B-COMP.	<10.0	<10.0
H17036-2	SW-COMP.	<10.0	<10.0
H17036-3	WW-COMP.	<10.0	504
H17036-4	NW-COMP.	<10.0	<10.0
H17036-5	S2-COMP.	<10.0	<10.0
H17036-6	S3-COMP.	<10.0	81.3
H17036-7	S4-COMP.	<10.0	<10.0
H17036-8	WW-#2	233	11,400
H17036-9	EW-COMP.	<10.0	12.7
Quality Control		506	562
True Value QC		500	500
% Recovery		101	112
Relative Percent Difference		3.2	5.9

METHODS: TPH GRO & DRO: EPA SW-846 8015 M


Chemist


Date

H17036 T SUGS

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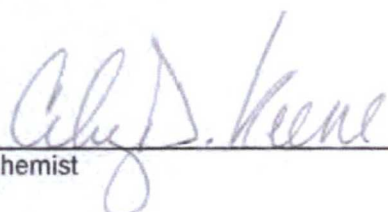
ANALYTICAL RESULTS FOR
SOUTHERN UNION GAS SERVICES
ATTN: TONY SAVOIE
P.O. BOX 1226
JAL, NM 88252

Receiving Date: 03/19/09
Reporting Date: 03/23/09
Project Number: 2009-005
Project Name: MF-16" LINE
Project Location: DECK RANCH

Sampling Date: 03/19/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)
		03/20/09	03/20/09
H17086-1	B-COMP.	<10.0	<10.0
H17086-2	NW-COMP.	<10.0	60.0
H17086-3	WW-COMP.	<10.0	19.1
H17086-4	SW-COMP.	<10.0	19.2
Quality Control		494	556
True Value QC		500	500
% Recovery		98.8	111
Relative Percent Difference		0.6	5.6

METHODS: TPH GRO & DRO: EPA SW-846 8015 M


Chemist


Date

H17086 T SUGS

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

BILL TO

ANALYSIS REQUEST

Company Name:

SH.G.S.

Project Manager:

Tony Snavle

Address:

616 Commerce PO Box 1226

City:

JAL

State: NM Zip: 88252

Phone #:

575-395-2116

Fax #:

Attn:

Address:

Project #:

2009-005

Project Owner:

City:

State:

Zip:

Project Name:

ME-16" LINE

Phone #:

Project Location:

DECK RANCH

Sampler Name:

Don Keen

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

T.P.H 8015

H17081-1

B-Comp.

OK

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

T.P.H 8015

-2

NW-Comp.

OK

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

T.P.H 8015

-3

WW-Comp.

OK

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

T.P.H 8015

-4

SW-Comp.

OK

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

T.P.H 8015

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Sampler Relinquished:

Date:

Time:

Received By:

Temp.

Sample Condition

Cool: Intact

Yes ☐ No ☐

Yes ☐ No ☐

Checked By:

(Initials)

Phone Result:

Fax Result:

REMARKS:

Phone Result:

Fax Result:

REMARKS:

Phone Result:

Fax Result:

REMARKS:

Phone Result:

Fax Result:

REMARKS:

Phone Result:

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Fax Result:

REMARKS:

Phone Result:

Fax Result:

REMARKS:

Phone Result:

Fax Result:

REMARKS:

Phone Result:

Fax Result:

REMARKS:

Relinquished By:

Date:

Time:

Received By:

Temp.

Sample Condition

Cool: Intact

Yes ☐ No ☐

Yes ☐ No ☐

Checked By:

(Initials)

Phone Result:

Fax Result:

REMARKS:

Phone Result:

Fax Result:

REMARKS:

Phone Result:

Fax Result:

REMARKS:

Phone Result:

Fax Result:

REMARKS:

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Fax Result:

REMARKS:

Phone Result:

Fax Result:

REMARKS:

Phone Result:

Fax Result:

REMARKS:

Phone Result:

Fax Result:

REMARKS:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

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Daily Time Ticket Summary

Company Southern Union Gas Services
State NM
Location MF - 16"
Charge 2009-005
Job Number PO# 75939

Date	Description of Work
2/12/2009	Obtain driving directions
	Make one call
2/16/2009	Excavate and stockpile soil
	Load and haul contaminated soil to land farm
2/7/2009	Excavate and stockpile soil
	Load and haul soil to land farm
2/18/2009	Excavate and stockpile soil
	Load and haul contaminated soil to land farm
2/27/2009	Collect samples
	Run P.I.D.
	Jar samples and deliver to lab
3/3/2009	Excavate and stockpile soil
	Load and haul contaminated soil to land farm
3/4/2009	Excavate and stockpile soil
	Load and haul contaminated soil to land farm
3/5/2009	Excavate and stockpile soil
	Load and haul contaminated soil to land farm
3/6/2009	Excavate and stockpile soil
	Load and haul contaminated soil to land farm
	Haul equipment
3/9/2009	Excavate and stockpile soil
	Load and haul contaminated soil to land farm
	Collect samples
	Run P.I.D.
	Jar samples and deliver to lab
3/10/2009	Push up soil
	Load and haul soil
	Backfill and compact soil in scrape area
3/12/2009	Push up caliche
	Load and haul
	Backfill and compact soil
3/13/2009	Push-up, load, haul, backfill and compact soil
	Haul equipment
3/16/2009	Load and haul soil to job site
3/17/2009	Load, haul, backfill, and compact soil

3/18/2009	Excavate and stockpile soil
	Load and haul contaminated soil to land farm
3/19/2009	Load and haul contaminated soil to land farm
	Collect samples
	Run P.I.D.
	Jar samples and deliver to lab
	Install safety fence
3/20/2009	Haul equipment
	Push-up, load and haul top soil
	Backfill and compact soil
	Clean up
3/23/2009	Haul equipment
	Finish clean up

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

N2 8098

Company SOUTHERN UNION GAS SERVICES Date 2-12-09
Location MF - 16" State N.M.
Charge 2009-005
Job # PO# 75939 Travel Time _____
Description of Work OBTAIN DRIVING DIRECTIONS & MAKE ONE-CALL

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

~~8097~~ 8097

Company SOUTHERN UNION GAS SERVICES Date 2-16-09
Location MF, 16" State NM.
Charge 2009-005
Job # PO# 75939 Travel Time _____
Description of Work EXCAVATE & STOCKPILE SOIL, LOAD & HAUL CONTAMINATED SOIL TO LAND FARM

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

~~8099~~ 8099

Company SOUTHERN UNION GAS SERVICES Date 2-17-09
Location MF-16" State N.M.
Charge 2009-005
Job # PO# 75939 Travel Time _____
Description of Work EXCAVATED STOCKPILE SOIL, LOAD & HAUL CONTAMINATED SOIL TO LANDFARM

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

8100

Company SOUTHEAN UNION GAS SERVICES Date 2-18-09
Location MF-16" State NM
Charge 2009-005
Job # PO# 75939 Travel Time _____
Description of Work EXCAVATE STOCKPILE SOIL, LOAD & HAUL CONTAMINATED SOIL TO LAND FARM

REGULAR TIME

OVERTIME

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

8112

Company SOUTHERN UNION GAS SERVICES Date 2-27-09
Location M F - 16" State N.M.
Charge 2009-005
Job # PO # 75939 Travel Time _____
Description of Work COLLECT SAMPLES, RUN P.I.D., JAR SAMPLES, & DELIVER TO LAB

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

8117

Company SOUTHERN UNION GAS SERVICES Date 3-3-09
Location MF-16" LINE State N.M.
Charge 2009-005
Job # PD# 75939 Travel Time _____
Description of Work EXCAVATE & STOCKPILE SOIL, LOAD & HAUL CONTAMINATED SOIL TO LAND FARM

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

~~8118~~

Company SOUTHERN UNION GAS SERVICES Date 3-4-09
Location MF-16" LINE State N.M.
Charge 2009-005
Job # PO# 75939 Travel Time _____
Description of Work EXCAVATE & STOCKPILE SOIL, LOAD & HAUL CONTAMINATED SOIL TO LAND FARM

REGULAR TIME

OVERTIME

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

8119

Company SOUTHERN UNION GAS SERVICES Date 3-5-09
Location MF-16" LINE State N.M.
Charge 2009-005
Job # PO # 75939 Travel Time _____
Description of Work EXCAVATE & STOCKPILE SOIL - LOAD & Haul CONTAMINATED SOIL TO LAND FARM

REGULAR TIME

OVERTIME

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

~~812~~ 8120

Company SOUTHERN UNION GAS SERVICES Date 3-5-09
Location MF-16" LINE State N.M.
Charge 2009-005
Job # PO # 85939 Travel Time _____
Description of Work EXCAVATE & STOCKPILE SOIL. LOAD & HAUL CONTAMINATED SOIL TO LAND FARM
HAUL EQUIPMENT.

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

~~8121~~

Company SOUTHERN UNION GAS SERVICES Date 3-9-09

Location MF-16" LINE State NM.

Charge 2009-005

Job # PO#75939 Travel Time _____

Description of Work EXCAVATED STOCKPILE SOIL; LOAD & HAUL CONTAMINATED SOIL TO LAND FARM
COLLECT SAMPLES, RUN PLD, TAR SAMPLES, & DELIVER TO LAB

REGULAR TIME

OVERTIME

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

~~412~~ 8122

Company SOUTHERN UNION GAS SERVICES Date 3-10-09
Location MF-16" LINE State N.M.
Charge 2009-005
Job # PO # 75939 Travel Time _____
Description of Work PUSH UP SOIL, LOAD & HAUL SOIL; BACKFILL & COMPACT SOIL IN
SCRAPE AREA

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

~~8125~~ 8125

Company SOUTHERN UNION GAS SERVICES Date 3-12-09
Location MF-16" LINE State N.M.
Charge 2009-005
Job # PO # 75939 Travel Time _____
Description of Work PUSHUP CALICHE, LOAD & HAUL, BACKFILL, & COMPACT SOIL.

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

~~442~~ 81271

Company SOUTHERN UNION GAS SERVICES Date 3-13-09
Location MF-16" LINE State N.M.
Charge 2009-005
Job # PO # 75939 Travel Time _____
Description of Work PUSH-UP, LOAD, HAUL, BACKFILL, & COMPACT SOIL - HAUL EQUIPMENT.

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

P.O. BOX 1816 • HOBBS, NM 88241 • PHONE (575) 393-6371

~~112~~ ~~8131~~

Company SOUTHERN UNION GAS SERVICES Date 3-16-09
Location MF-16" LINE State NM.
Charge 2009-005
Job # PO # 75939 Travel Time _____
Description of Work LOAD & HAUL SOIL TO JOB SITE

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

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~~142~~ 8134

Company SOUTHERN UNION GAS SERVICES Date 3-17-09
Location MF-16" LINE State NM.
Charge 2009-005
Job # PO # 75939 Travel Time _____
Description of Work LOAD, HAUL, BACKFILL, & COMPACT SOIL

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

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~~NO~~ 8136

Company SOUTHERN UNION GAS SERVICES Date 3-18-09

Location MF-16" LINE State N.M.

Charge 2009-005

Job # PO # 75939 Travel Time _____

Description of Work EXCAVATE & STOCKPILE SOIL, LOAD & HAUL CONTAMINATED SOIL TO LAND FARM

OCOTILLO ENVIRONMENTAL, LLC

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~~NO~~ 8137

Company SOUTHERN UNION GAS SERVICES Date 3-19-09

Location MF-16" LINE State NM.

Charge 2009-005

Job # PO # 75939 Travel Time _____

Description of Work LOAD & HAUL CONTAMINATED SOIL TO LAND FARM. COLLECT SAMPLES, RUN
P.S.D. JAR SAMPLES, & DELIVER TO LAB. INSTALL SAFETY FENCE. HAUL EQUIPMENT

REGULAR TIME

OVERTIME

OCOTILLO ENVIRONMENTAL, LLC

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~~8139~~ 8139

Company SOUTHERN UNION GAS SERVICES Date 3-20-09
Location MF-16" LINE State NM.
Charge 2009-005
Job # PO # 75939 Travel Time _____
Description of Work PUSH-UP, LOAD & HAUL TOPSOIL, BACKFILL & COMPACT SOIL.
CLEAN-UP; HAUL EQUIPMENT

DAILY
TIME TICKET

OCOTILLO ENVIRONMENTAL, LLC

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~~NE~~ 8143

Company SOUTHERN UNION GAS SERVICES Date 3-23-09
Location MF-16" LINE State N.M.
Charge 2009-005
Job # PO # 75939 Travel Time _____
Description of Work FINISH CLEANUP



Photo 1



Photo 2

Southern Union Gas Services Site: MF-16"
Job # 2009-005
Site Assessment 1/29/09



Photo 3



Photo 4

Southern Union Gas Services Site: MF-16"
Job # 2009-005
Site Assessment 1/29/09



Photo 5



Photo 6

Southern Union Gas Services Site: MF-16"
Job # 2009-005
Site Assessment 1/29/09