

**1R - 427 - 172**

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# **REPORTS**

**DATE:**

**11-16-04**

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EME Gaither Boat

1R0427-172

# DISCLOSURE REPORT

**RICE OPERATING COMPANY  
JUNCTION BOX DISCLOSURE\* REPORT**

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
EME	Gaither boot	I	34	19S	36E	Lea	no box--eliminated		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER G.P. Sims OTHER \_\_\_\_\_

Depth to Groundwater 50.73 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 9/23/2004 Date Completed 10/18/2004 OCD Witness No

Soil Excavated 40 (3 trenches) cubic yards Excavation Length 10 Width 3 Depth 12 feet

Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a

FINAL ANALYTICAL RESULTS: Sample Date 9/24/2004 Sample Depth 12 ft

TPH and chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

**CHLORIDE FIELD TESTS**

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
GRAB @ 12 ft BGS	43.7	42.8	1120	1870

LOCATION	DEPTH (ft)	ppm	
vertical at junction box	3	209	
	4	89	
	5	1079	
	6	1409	
	7	3209	
	8	2219	
	9	2489	
	10	2339	
	11	2069	
	12	2669	
	5 ft EAST of junction box	3	989
		4	1229
5		1139	
6		1229	
7		2699	
8		3778	
9		3328	
10		2999	
11		2249	
12		2579	

General Description of Remedial Action: This junction box contained a boot and was located on the south fenceline of an active production facility. The junction was eliminated with a new pipeline replacement. The lumber was moved and the site was delineated using a backhoe while PID screenings and chloride field tests were conducted at every foot of depth. Three trenches were made: at the box, 5 ft east, and 5 ft west. Chloride concentrations did not exhibit a trend of decline in any of the three trenches. Some PID readings were elevated near the surface, but all virtually dissipated with depth. The excavated soils were blended on site and then backfilled into the trenches. An identification plate has been placed on the surface of this site to mark the box location for future considerations. NMOCD has been notified of potential groundwater impact at this site.

**ADDITIONAL EVALUATION IS *HIGH* PRIORITY**

enclosures: chloride graph, photos, lab results, PID field screenings

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SITE SUPERVISOR Rob Elam SIGNATURE not available COMPANY Curt's Environmental--Odessa, TX

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE *Kristin Pope*

DATE 11/16/2004 TITLE Project Scientist

*\* This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.*

# EME Gaither boot

unit 'I', Sec. 34, T19S, R36E



box lumber removed; prior to excavation (looking north) 9/8/2004



close-up of site prior to excavation 9/23/2004



backfilling

10/18/2004



identification plate on backfilled surface

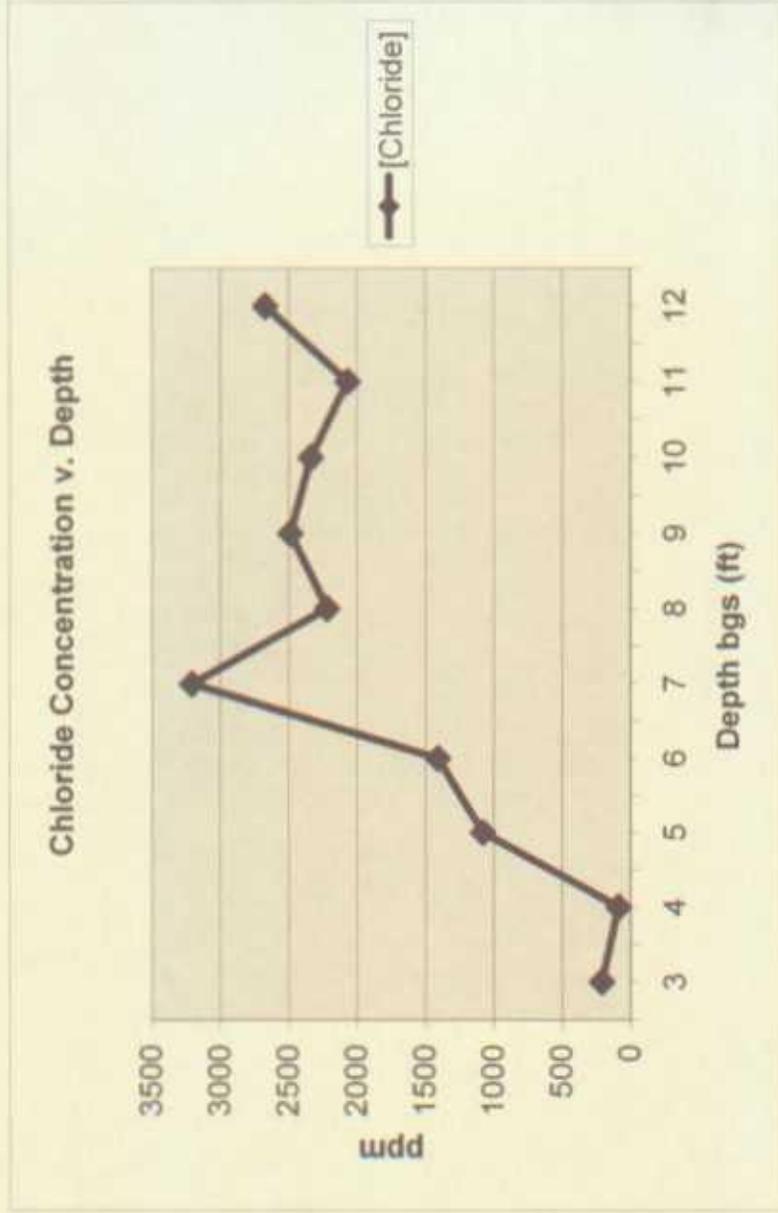
Nov. 2004

# EME Gaither boot

unit T, Sec. 34, T19S, R36E

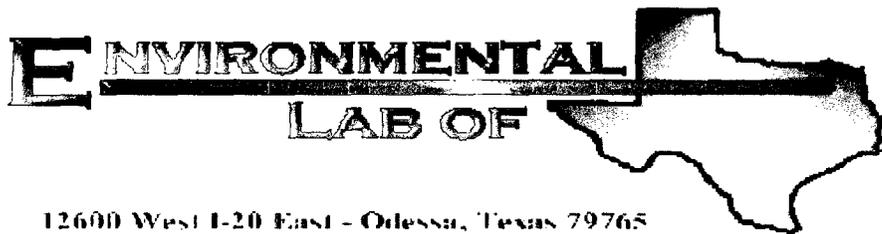
Vertical Delineation at Source

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
3	209
4	89
5	1079
6	1409
7	3209
8	2219
9	2489
10	2339
11	2069
12	2669



pipeline at 3 ft BGS

Groundwater = 50.73 ft



12600 West I-20 East - Odessa, Texas 79765

## Analytical Report

**Prepared for:**

Roy Rascon

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: Amerada Gaither Boot

Project Number: None Given

Location: EME

Lab Order Number: 4126012

Report Date: 10/04/04

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Amerada Gaither Boot  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471  
**Reported:**  
10/04/04 09:13

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
12' Grab @ Source	4126012-01	Soil	09/24/04 10:00	09/26/04 07:10

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Amerada Gaither Boot  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
10/04/04 09:13

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>12' Grab @ Source (4I26012-01) Soil</b>									
<b>Gasoline Range Organics C6-C12</b>	<b>42.8</b>	10.0	mg/kg dry	1	EI42702	09/27/04	09/28/04	EPA 8015M	
<b>Diesel Range Organics &gt;C12-C35</b>	<b>1120</b>	10.0	"	"	"	"	"	"	
<b>Total Hydrocarbon C6-C35</b>	<b>1160</b>	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		121 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		96.6 %	70-130		"	"	"	"	

Rice Operating Co.  
122 W. Taylor  
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Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
10/04/04 09:13

**General Chemistry Parameters by EPA / Standard Methods**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>12' Grab @ Source (4126012-01) Soil</b>									
Chloride	1870	20.0	mg/kg Wet	2	E142703	09/27/04	09/28/04	SW 846 9253	
% Solids	93.0		%	1	E142812	09/28/04	09/28/04	% calculation	

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Amerada Gaither Boot  
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Fax: (505) 397-1471

Reported:  
10/04/04 09:13

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EI42702 - Solvent Extraction (GC)**

**Blank (EI42702-BLK1)**

Prepared & Analyzed: 09/27/04

Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	51.5		mg/kg	50.0		103	70-130			
Surrogate: 1-Chlorooctadecane	36.1		"	50.0		72.2	70-130			

**Blank (EI42702-BLK2)**

Prepared: 09/27/04 Analyzed: 09/28/04

Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	58.8		mg/kg	50.0		118	70-130			
Surrogate: 1-Chlorooctadecane	36.2		"	50.0		72.4	70-130			

**LCS (EI42702-BS1)**

Prepared & Analyzed: 09/27/04

Gasoline Range Organics C6-C12	467	10.0	mg/kg wet	500		93.4	75-125			
Diesel Range Organics >C12-C35	469	10.0	"	500		93.8	75-125			
Total Hydrocarbon C6-C35	936	10.0	"	1000		93.6	75-125			
Surrogate: 1-Chlorooctane	58.6		mg/kg	50.0		117	70-130			
Surrogate: 1-Chlorooctadecane	39.6		"	50.0		79.2	70-130			

**LCS (EI42702-BS2)**

Prepared: 09/27/04 Analyzed: 09/28/04

Gasoline Range Organics C6-C12	453	10.0	mg/kg wet	500		90.6	75-125			
Diesel Range Organics >C12-C35	543	10.0	"	500		109	75-125			
Total Hydrocarbon C6-C35	996	10.0	"	1000		99.6	75-125			
Surrogate: 1-Chlorooctane	58.9		mg/kg	50.0		118	70-130			
Surrogate: 1-Chlorooctadecane	36.9		"	50.0		73.8	70-130			

**Calibration Check (EI42702-CCV1)**

Prepared & Analyzed: 09/27/04

Gasoline Range Organics C6-C12	499		mg/kg	500		99.8	80-120			
Diesel Range Organics >C12-C35	581		"	500		116	80-120			
Total Hydrocarbon C6-C35	1080		"	1000		108	80-120			
Surrogate: 1-Chlorooctane	57.1		"	50.0		114	70-130			
Surrogate: 1-Chlorooctadecane	57.5		"	50.0		115	70-130			

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10/04/04 09:13

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EI42702 - Solvent Extraction (GC)**

**Calibration Check (EI42702-CCV2)**

Prepared: 09/27/04 Analyzed: 09/28/04

Gasoline Range Organics C6-C12	461		mg/kg	500		92.2	80-120			
Diesel Range Organics >C12-C35	527		"	500		105	80-120			
Total Hydrocarbon C6-C35	988		"	1000		98.8	80-120			
Surrogate: 1-Chlorooctane	57.4		"	50.0		115	70-130			
Surrogate: 1-Chlorooctadecane	39.1		"	50.0		78.2	70-130			

**Matrix Spike (EI42702-MS1)**

Source: 4I26004-01

Prepared: 09/27/04 Analyzed: 09/28/04

Gasoline Range Organics C6-C12	521	10.0	mg/kg dry	532	ND	97.9	75-125			
Diesel Range Organics >C12-C35	602	10.0	"	532	ND	113	75-125			
Total Hydrocarbon C6-C35	1120	10.0	"	1060	ND	106	75-125			
Surrogate: 1-Chlorooctane	58.7		mg/kg	50.0		117	70-130			
Surrogate: 1-Chlorooctadecane	57.0		"	50.0		114	70-130			

**Matrix Spike (EI42702-MS2)**

Source: 4I26005-04

Prepared: 09/27/04 Analyzed: 09/28/04

Gasoline Range Organics C6-C12	555	10.0	mg/kg dry	575	ND	96.5	75-125			
Diesel Range Organics >C12-C35	607	10.0	"	575	ND	106	75-125			
Total Hydrocarbon C6-C35	1160	10.0	"	1150	ND	101	75-125			
Surrogate: 1-Chlorooctane	60.2		mg/kg	50.0		120	70-130			
Surrogate: 1-Chlorooctadecane	36.1		"	50.0		72.2	70-130			

**Matrix Spike Dup (EI42702-MSD1)**

Source: 4I26004-01

Prepared: 09/27/04 Analyzed: 09/28/04

Gasoline Range Organics C6-C12	521	10.0	mg/kg dry	532	ND	97.9	75-125	0.00	20	
Diesel Range Organics >C12-C35	570	10.0	"	532	ND	107	75-125	5.46	20	
Total Hydrocarbon C6-C35	1090	10.0	"	1060	ND	103	75-125	2.71	20	
Surrogate: 1-Chlorooctane	57.2		mg/kg	50.0		114	70-130			
Surrogate: 1-Chlorooctadecane	53.5		"	50.0		107	70-130			

**Matrix Spike Dup (EI42702-MSD2)**

Source: 4I26005-04

Prepared: 09/27/04 Analyzed: 09/28/04

Gasoline Range Organics C6-C12	552	10.0	mg/kg dry	575	ND	96.0	75-125	0.542	20	
Diesel Range Organics >C12-C35	621	10.0	"	575	ND	108	75-125	2.28	20	
Total Hydrocarbon C6-C35	1170	10.0	"	1150	ND	102	75-125	0.858	20	
Surrogate: 1-Chlorooctane	62.0		mg/kg	50.0		124	70-130			
Surrogate: 1-Chlorooctadecane	35.8		"	50.0		71.6	70-130			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

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Reported:  
10/04/04 09:13

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EI42703 - Water Extraction**

<b>Blank (EI42703-BLK1)</b>				Prepared: 09/27/04 Analyzed: 09/28/04						
Chloride	ND	20.0	mg/kg Wet							
<b>Matrix Spike (EI42703-MS1)</b>				Source: 4126001-01 Prepared: 09/27/04 Analyzed: 09/28/04						
Chloride	744	20.0	mg/kg Wet	500	266	95.6	80-120			
<b>Matrix Spike Dup (EI42703-MSD1)</b>				Source: 4126001-01 Prepared: 09/27/04 Analyzed: 09/28/04						
Chloride	755	20.0	mg/kg Wet	500	266	97.8	80-120	1.47	20	
<b>Reference (EI42703-SRM1)</b>				Prepared & Analyzed: 09/28/04						
Chloride	5000		mg/kg	5000		100	80-120			

**Batch EI42812 - % Solids**

<b>Blank (EI42812-BLK1)</b>				Prepared & Analyzed: 09/28/04						
% Solids	100		%							
<b>Duplicate (EI42812-DUP1)</b>				Source: 4124018-01 Prepared & Analyzed: 09/28/04						
% Solids	98.0		%		98.0			0.00	20	

Rice Operating Co.  
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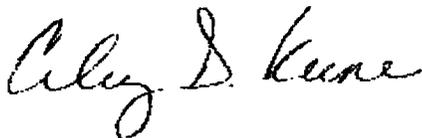
Fax: (505) 397-1471

Reported:  
10/04/04 09:13

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference  
LCS Laboratory Control Spike  
MS Matrix Spike  
Dup Duplicate

Report Approved By: \_\_\_\_\_



Date: 10/4/04

Raland K. Tuttle, Lab Manager  
Caley D. Keene, Lab Director, Org. Tech Director  
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director  
James L. Hawkins, Chemist/Geologist  
Sandra Biezugbe, Lab Tech.

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

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Project Number: None Given  
Project Manager: Roy Rascon

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**Reported:**  
10/04/04 09:13

