

**1R - 427 - 168**

# **REPORTS**

**DATE:**

**10-19-04**

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EME Set F-18

1R0427-168

# 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	F-18	F	18	20S	37E	Lea	no box--junction eliminated		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Jimmie T. Cooper OTHER \_\_\_\_\_

Depth to Groundwater 30 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 8/16/2004 Date Completed 8/24/2004 OCD Witness No

Soil Excavated 167 cubic yards Excavation Length 25 Width 15 Depth 12 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 8/20/2004 Sample Depth 12 ft

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. 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
4-WALL COMP.	0.0	<10.0	<10.0	266
BOTTOM COMP.	0.0	<10.0	<10.0	1320
REMED. BACKFILL	0.0	<10.0	<10.0	308

LOCATION	DEPTH (ft)	ppm
vertical at junction	7	119
	8	149
	9	300
	10	330
	11	450
	12	630
10 ft west of junction	8	420
	9	989
	10	809
	11	990
	12	1709
5 ft north of junction	7	330
	8	540
	9	570
	10	600
	11	780
	12	1050
4-wall comp.	n/a	270
bottom comp.	12	1049
remed. backfill	n/a	330

General Description of Remedial Action: This junction was eliminated with a new poly pipeline replacement. The box lumber was removed and the site was delineated using a backhoe while PID field screenings and chloride field tests were conducted at regular intervals. Throughout the 25 x 15 x 12-ft-deep excavation, all PID readings were relatively low and NMOCD guidelines were met. Lab results also confirmed TPH concentrations well below NMOCD guidelines. Chloride concentrations, however, did not exhibit a conclusive decline with depth. The excavated soil was blended on site and backfilled to 6 ft BGS. At 6 ft, a 1-ft-thick compacted clay barrier was installed to hinder further downward migration of chloride. The remaining soils were backfilled on top of the clay. The excavated was surrounded by healthy native vegetation. The disturbed surface was seeded on 9/17/2004 with a blend of native vegetation and is expected to return to productive capacity at a normal rate.

**ADDITIONAL EVALUATION IS HIGH PRIORITY**

enclosures: chloride graph, photos, lab results, PID field screenings, diagram, clay test

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 Farris Pope

DATE 10/19/2004 TITLE Project Scientist

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

**EME jct. F-18**

unit 'F', Sec. 18, T20S, R37E



undisturbed junction box

1/12/2004



after NORM decontamination

7/6/2004



delineation excavation 12 ft deep

8/16/2004



testing compacted clay at 6 ft BGS

8/24/2004



seeding disturbed surface

9/17/2004



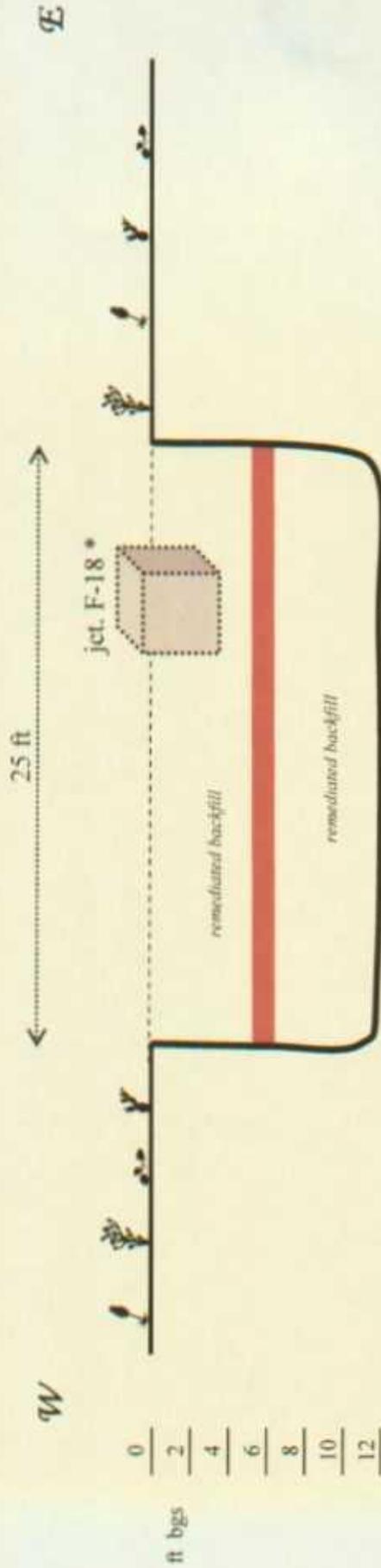
identification plate on surface of site marking old junction

10/4/2004

# EME jct. F-18

## 25 x 15 x 12-ft-deep

### Excavation Cross-Section



\* Junction has been eliminated from this location.

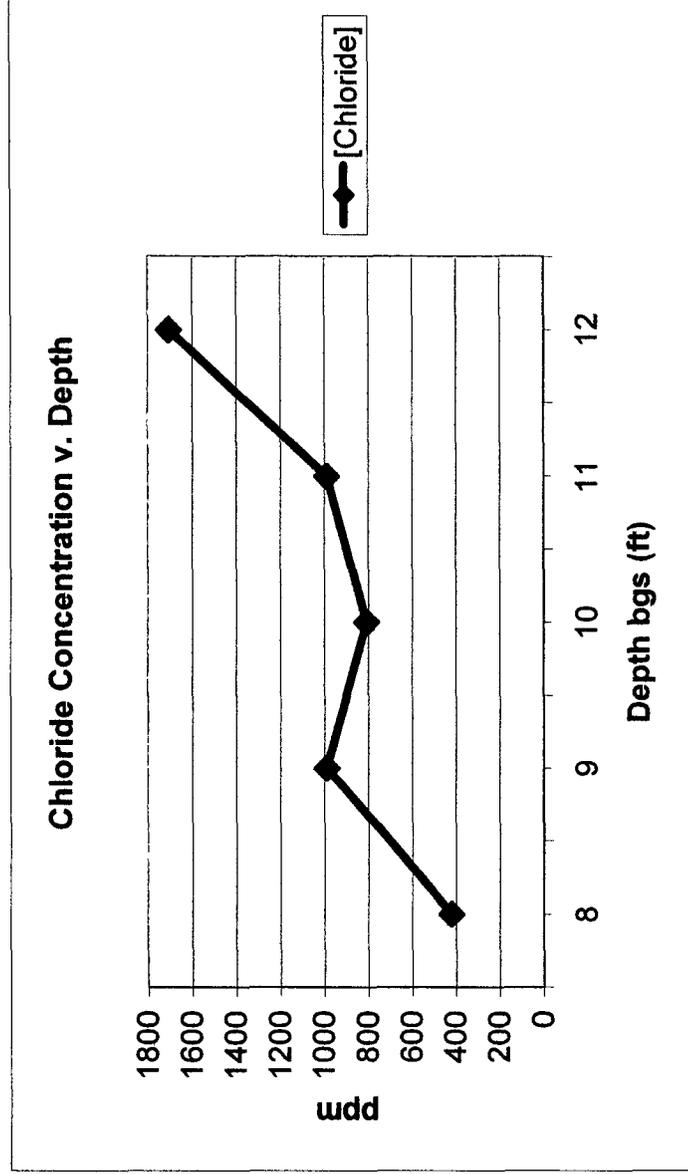
# EME jct. F-18

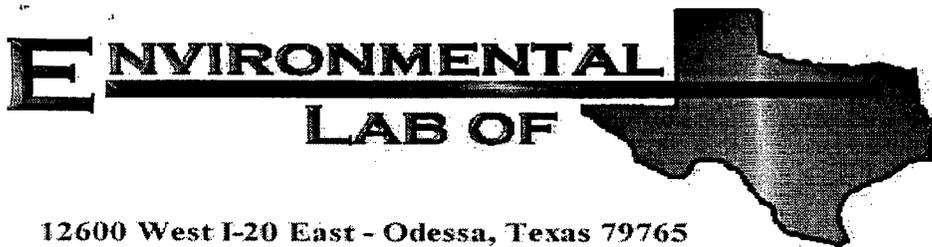
unit 'F', Sec. 18, T20S, R37E

10 ft West of junction

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
8	420
9	989
10	809
11	990
12	1709

Groundwater = 30 ft





12600 West I-20 East - Odessa, Texas 79765

## Analytical Report

**Prepared for:**

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

*25 x 15 x 12-ft-deep excavation*

Project: Jct. F-18  
Project Number: None Given  
Location: EME

Lab Order Number: 4H24001

Report Date: 08/27/04

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

Project: Jct. F-18  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
08/27/04 08:33

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
12' Bottom Composite	4H24001-01	Soil	08/20/04 09:00	08/24/04 08:00
Wall Composite	4H24001-02	Soil	08/20/04 09:00	08/24/04 08:00
Backfill Composite	4H24001-03	Soil	08/20/04 09:00	08/24/04 08:00

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

Project: Jct. F-18  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471  
Reported:  
08/27/04 08:33

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>12' Bottom Composite (4H24001-01) Soil</b>									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH42405	08/24/04	08/25/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		96.2 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		72.6 %	70-130		"	"	"	"	
<b>Wall Composite (4H24001-02) Soil</b>									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH42405	08/24/04	08/25/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		86.4 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		74.6 %	70-130		"	"	"	"	
<b>Backfill Composite (4H24001-03) Soil</b>									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH42405	08/24/04	08/25/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		97.6 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		71.8 %	70-130		"	"	"	"	

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

Project: Jct. F-18  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
08/27/04 08:33

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>12' Bottom Composite (4H24001-01) Soil</b>									
Chloride	1320	20.0	mg/kg Wet	2	EH42637	08/25/04	08/26/04	SW 846 9253	
% Solids	87.0		%	1	EH42506	08/24/04	08/24/04	% calculation	
<b>Wall Composite (4H24001-02) Soil</b>									
Chloride	266	20.0	mg/kg Wet	2	EH42637	08/25/04	08/26/04	SW 846 9253	
% Solids	95.0		%	1	EH42506	08/24/04	08/24/04	% calculation	
<b>Backfill Composite (4H24001-03) Soil</b>									
Chloride	308	20.0	mg/kg Wet	2	EH42637	08/25/04	08/26/04	SW 846 9253	
% Solids	95.0		%	1	EH42506	08/24/04	08/24/04	% calculation	

Rice Operating Co.  
122 W. Taylor  
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Reported:  
08/27/04 08:33

**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 EH42405 - Solvent Extraction (GC)**

**Blank (EH42405-BLK1)**

Prepared: 08/24/04 Analyzed: 08/25/04

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	"							
<i>Surrogate: 1-Chlorooctane</i>	49.8		mg/kg	50.0		99.6	70-130			
<i>Surrogate: 1-Chlorooctadecane</i>	42.5		"	50.0		85.0	70-130			

**LCS (EH42405-BS1)**

Prepared: 08/24/04 Analyzed: 08/25/04

Gasoline Range Organics C6-C12	476	10.0	mg/kg wet	500		95.2	75-125			
Diesel Range Organics >C12-C35	526	10.0	"	500		105	75-125			
Total Hydrocarbon C6-C35	1000	10.0	"	1000		100	75-125			
<i>Surrogate: 1-Chlorooctane</i>	52.5		mg/kg	50.0		105	70-130			
<i>Surrogate: 1-Chlorooctadecane</i>	40.9		"	50.0		81.8	70-130			

**Calibration Check (EH42405-CCV1)**

Prepared: 08/24/04 Analyzed: 08/25/04

Gasoline Range Organics C6-C12	457		mg/kg	500		91.4	80-120			
Diesel Range Organics >C12-C35	513		"	500		103	80-120			
Total Hydrocarbon C6-C35	970		"	1000		97.0	80-120			
<i>Surrogate: 1-Chlorooctane</i>	52.2		"	50.0		104	70-130			
<i>Surrogate: 1-Chlorooctadecane</i>	37.7		"	50.0		75.4	70-130			

**Matrix Spike (EH42405-MS1)**

Source: 4H24001-01

Prepared: 08/24/04 Analyzed: 08/25/04

Gasoline Range Organics C6-C12	638	10.0	mg/kg dry	575	ND	111	75-125			
Diesel Range Organics >C12-C35	635	10.0	"	575	ND	110	75-125			
Total Hydrocarbon C6-C35	1270	10.0	"	1150	ND	110	75-125			
<i>Surrogate: 1-Chlorooctane</i>	58.0		mg/kg	50.0		116	70-130			
<i>Surrogate: 1-Chlorooctadecane</i>	40.1		"	50.0		80.2	70-130			

**Matrix Spike Dup (EH42405-MSD1)**

Source: 4H24001-01

Prepared: 08/24/04 Analyzed: 08/25/04

Gasoline Range Organics C6-C12	635	10.0	mg/kg dry	575	ND	110	75-125	0.471	20	
Diesel Range Organics >C12-C35	642	10.0	"	575	ND	112	75-125	1.10	20	
Total Hydrocarbon C6-C35	1280	10.0	"	1150	ND	111	75-125	0.784	20	
<i>Surrogate: 1-Chlorooctane</i>	60.0		mg/kg	50.0		120	70-130			
<i>Surrogate: 1-Chlorooctadecane</i>	48.1		"	50.0		96.2	70-130			

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

Project: Jct. F-18  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
08/27/04 08:33

**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
<b>Batch EH42506 - General Preparation (Prep)</b>										
<b>Blank (EH42506-BLK1)</b>					Prepared & Analyzed: 08/24/04					
% Solids	100		%							
<b>Duplicate (EH42506-DUP1)</b>					Source: 4H24001-01 Prepared & Analyzed: 08/24/04					
% Solids	87.0		%		87.0			0.00	20	
<b>Batch EH42637 - Water Extraction</b>										
<b>Blank (EH42637-BLK1)</b>					Prepared: 08/25/04 Analyzed: 08/26/04					
Chloride	ND		20.0 mg/kg Wet							
<b>Matrix Spike (EH42637-MS1)</b>					Source: 4H24001-01 Prepared: 08/25/04 Analyzed: 08/26/04					
Chloride	1790		20.0 mg/kg Wet	500	1320	94.0	80-120			
<b>Matrix Spike Dup (EH42637-MSD1)</b>					Source: 4H24001-01 Prepared: 08/25/04 Analyzed: 08/26/04					
Chloride	1790		20.0 mg/kg Wet	500	1320	94.0	80-120	0.00	20	
<b>Reference (EH42637-SRM1)</b>					Prepared: 08/25/04 Analyzed: 08/26/04					
Chloride	5000		mg/kg	5000		100	80-120			

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

Project: Jct. F-18  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471  
Reported:  
08/27/04 08:33

### 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:

Raland K. Tuttle

Date:

8-27-04

Raland K. Tuttle, QA Officer

Celey D. Keene, Lab Director, Org. Tech Director

Jeanne Mc Murrey, Inorg. Tech Director

James L. Hawkins, Chemist/Geologist

Sara Molina, Chemist

Sandra Biezugbe, Lab Tech.

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If you have received this material in error, please notify us immediately at 432-563-1800.



**Environmental Lab of Texas  
Variance / Corrective Action Report – Sample Log-In**

Client: Rice Operating

Date/Time: 08-24-04 @ 0900

Order #: 4H24001

Initials: JMM

**Sample Receipt Checklist**

Temperature of container/cooler?	<input checked="" type="radio"/> Yes	No	-11.0 C
Shipping container/cooler in good condition?	<input checked="" type="radio"/> Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	<u>Not present</u>
Custody Seals intact on sample bottles?	Yes	No	<u>Not present</u>
Chain of custody present?	<input checked="" type="radio"/> Yes	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="radio"/> Yes	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="radio"/> Yes	No	
Chain of custody agrees with sample label(s)	<input checked="" type="radio"/> Yes	No	
Container labels legible and intact?	<input checked="" type="radio"/> Yes	No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="radio"/> Yes	No	
Samples in proper container/bottle?	<input checked="" type="radio"/> Yes	No	
Samples properly preserved?	<input checked="" type="radio"/> Yes	No	
Sample bottles intact?	<input checked="" type="radio"/> Yes	No	
Preservations documented on Chain of Custody?	<input checked="" type="radio"/> Yes	No	
Containers documented on Chain of Custody?	<input checked="" type="radio"/> Yes	No	
Sufficient sample amount for indicated test?	<input checked="" type="radio"/> Yes	No	
All samples received within sufficient hold time?	<input checked="" type="radio"/> Yes	No	
VOC samples have zero headspace?	<input checked="" type="radio"/> Yes	No	Not Applicable

Other observations:

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**Variance Documentation:**

Contact Person: - \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_

Regarding:

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Corrective Action Taken:

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# RICE OPERATING COMPANY

122 WEST TAYLOR

HOBBS, NEW MEXICO 88240

PHONE: (505) 393-9174 FAX: (505) 397-1471

## VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S  
 CALIBRATION GAS  
 GAS COMPOSITION: ISOBUTYLENE  
 AIR

104550  
 SERIAL NO: ~~104412~~  
 100 PPM  
 BALANCE  
 FILL DATE: 4-19-04  
 ACCURACY: ±2%

LOT NO: 03-2475  
 EXP. DATE: 10-19-04  
 METER READING  
 ACCURACY: 100.0

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	F-18	F	18	18S	37E

	SAMPLE	PID RESULT	SAMPLE	PID RESULT
10'	North Wall	0		
5'	South Wall	0		
10'	East Wall	0		
20'	West Wall	0		
12'	Bottom Comp	0		
4'	Wall Comp	0		
	Backfill Comp	0		

I certify that I have calibrated the above instrument in accordance to the manufacture operation manual.

*R. Elam*

Signature

Title

8-20-04

Date



LABORATORY TEST REPORT  
**PETTIGREW & ASSOCIATES, P.A.**  
 1110 N. GRIMES  
 HOBBS, NM 88240  
 (505) 393-9827



DEBRA P. HICKS, P.E./L.S.I.  
 WILLIAM M. HICKS, III, P.E./P.S.

**To:** Rice Operating  
 Attn: Carolyn Haynes  
 122 W. Taylor  
 Hobbs, NM 88240

**Material:** Red Clay

**Test Method:** ASTM: D 2922

**Project:** JCT F-18 <sup>EME</sup>~~ME~~

**Date of Test:** August 24, 2004

**Depth:** Finished Subgrade

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
SG-1	Pit - 10' S. & 5' E. of the NW Corner	102.2	17.9	

**Control Density:** 106.2  
 ASTM: D 698

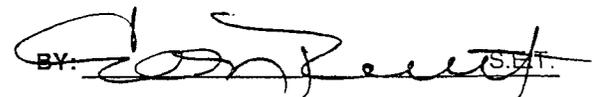
**Optimum Moisture:** 17.3

**Required Compaction:** 95%

**Lab No.:** 04 9805-9806

**Copies To:** Rice

**PETTIGREW & ASSOCIATES**

BY:  S.E.T.