1R – 427 - 162

REPORTS

DATE:

9-13-04

EME Jct. G-18

IR0427-162

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	G-18	G	18	19S	37E	Lea	no box--eliminated		

LAND TYPE: BLM ____ STATE X FEE LANDOWNER ____ OTHER ____

Depth to Groundwater 52 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 2/16/2004 Date Completed 6/2/2004 OCD Witness No

Soil Excavated 160 cubic yards Excavation Length 18 Width 20 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: **Sample Date** 2/25/2004, 2/26/2004, 6/2/2004 **Sample Depth** 12, 20 ft

Procure 5-point composite sample of bottom and 4-point composite sample of excavation sidewalls. TPH, BTEX, and chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	See enclosed laboratory analytical report and BTEX Study tables				392	2690	126
BOTTOM COMP.					939	6520	617
REMED. BACKFILL	<0.025	0.0721	0.0687	0.3926	302	4570	298
SOIL BORE @ 20 ft	<0.005	<0.005	<0.005	<0.0015	<10.0	266	896

General Description of Remedial Action: This former junction box site was delineated using a backhoe while PID screenings and field chloride tests were conducted at regular intervals. Although chloride concentrations declined laterally within the 20 x 18 x 12-ft-deep excavation, the vertical extent was not established at the highest concentration area directly below the junction. PID readings were generally elevated throughout the excavation and NMOCD TPH guidelines were not met. The excavated soils were blended/remediated on site and backfilled into the hole to 6 ft BGS. At 6 ft, a 1-ft-thick compacted clay barrier was installed. The remaining remediated soils were backfilled on top of the clay and contoured to the surrounding surface. On 6/2/2004, a soil bore was initiated to delineate the depth of impact. The bore was aborted at 20 ft BGS after two unsuccessful attempts were made to penetrate solid rock stratum. Samples collected from the bore did not meet NMOCD TPH guidelines. A conclusive chloride trend was not identified (see graph). Both bores were plugged with bentonite clay at the bottom and top. An identification plate has been placed at the surface of this site to mark the presence of clay and for future remediation considerations. This junction has been eliminated.

ADDITIONAL EVALUATION IS *LOW* PRIORITY

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
vertical	6	1400
at junction	7	1752
	8	1074
	9	1229
	10	1544
	11	1276
	12	1579
soil bore	15	451
	20	896
bottom comp.	12	601
4-wall comp.	1-12	240
remed. backfill	n/a	414

enclosures: chloride graph, photos, lab results, BTEX study, clay test, bore logs, diagram

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

SITE SUPERVISOR Roy Rascon SIGNATURE Roy R. Rascon 9-17-04 COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 9/13/2004 TITLE Project Scientist

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

EME jct. G-18

undisturbed box (looking north) 10/21/2003

after NORM decontamination; box removed (looking north) 10/28/2003

delineation & excavation (looking south) 2/17/2004

final 20 x 18 x 12-ft-deep excavation (looking south) 2/23/2004

EME jct. G-18

backfilled to 6 ft BGS 4/16/2004

testing compacted clay liner 4/16/2004

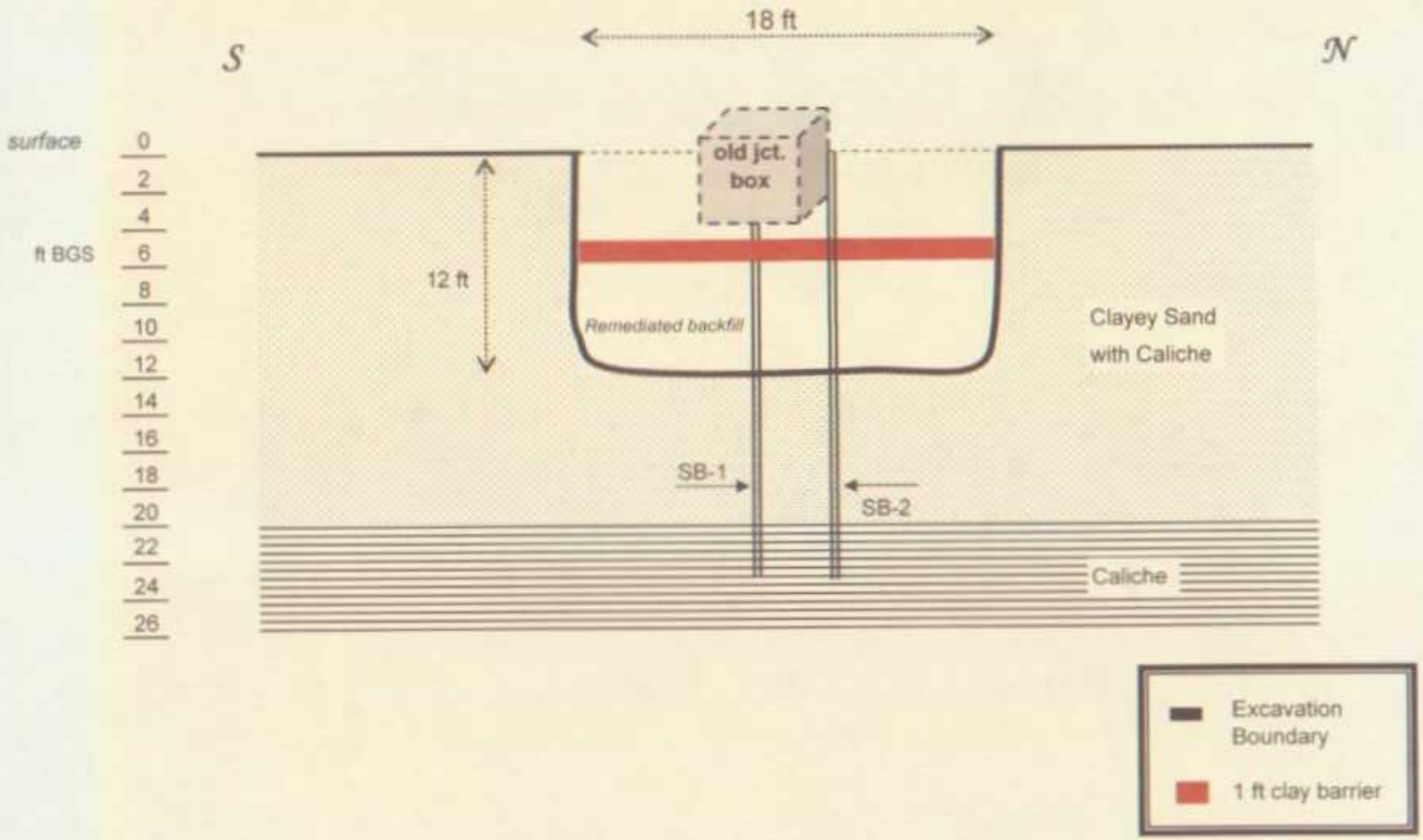
soil bore 6/2/2004

backfilled site; identification plate at former junction site 8/13/2004

EME jct. G-18

20 x 18 x 12 ft

Excavation Cross-Section



EME jct. G-18

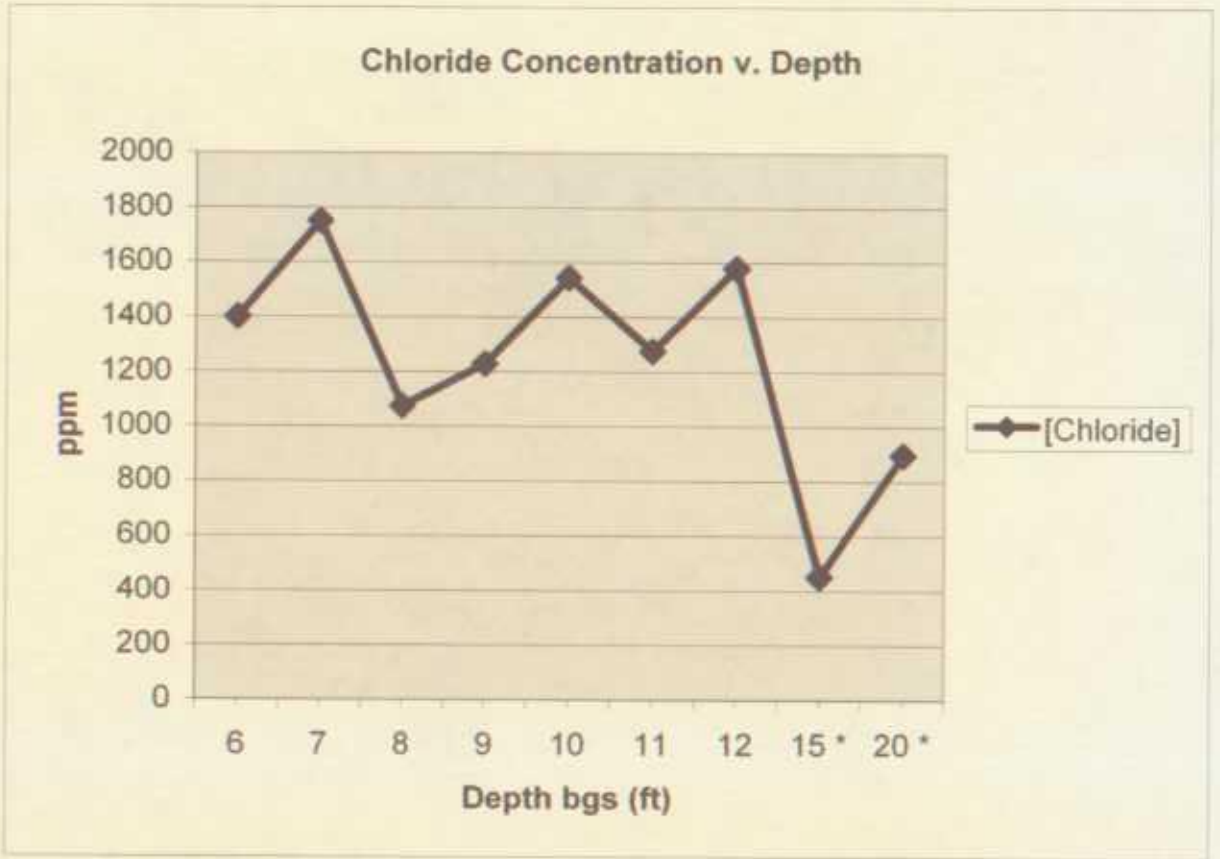
T20S, R36E

Vertical Delineation at Source

Depth bgs (ft)	[Cl⁻] ppm
6	1400
7	1752
8	1074
9	1229
10	1544
11	1276
12	1579
15 *	451
20 *	896

* Soil bore samples;
20 ft shows lab analysis

Groundwater = 52 ft



2004 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: EME
Site: jct. G-18

Date: 2/26/2004
Sampler: Gary Stark (ETGI Hobbs)

Laboratory: Environmental Lab of Texas

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg) Benzene	Toluene	Ethyl Benzene	Total Xylenes
bottom composite at 12 ft BGS	1	1340.0	3.65	4.15	0.626	2.645
	2	128.0				
	3	1271.0				
	4	15.3				
	5	873.0				
			LAB COMPOSITE (mg/kg)			
			1.3	2.74	0.438	2.078
			FIELD COMPOSITE (mg/kg)			
4-wall composite		340.0	0.044	0.281	0.265	1.621
			LAB COMPOSITE (mg/kg)			
			0.0246	0.191	0.224	1.307

Field PID tests <100 ppm are considered final for BTEX. If PID is >100 ppm, the components of the BTEX composite sample will be collected individually and will be composited under laboratory conditions to prevent excessive volatilization. A 15-box, 30-s

At junction. Samples collected at 15 ft. + 20 ft.

Atkins Engineering Associates, Inc.
2904 W. 2nd St., Roswell, NM 88202-3156

LOG OF BORING Test Hole #1

(Page 1 of 1)

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

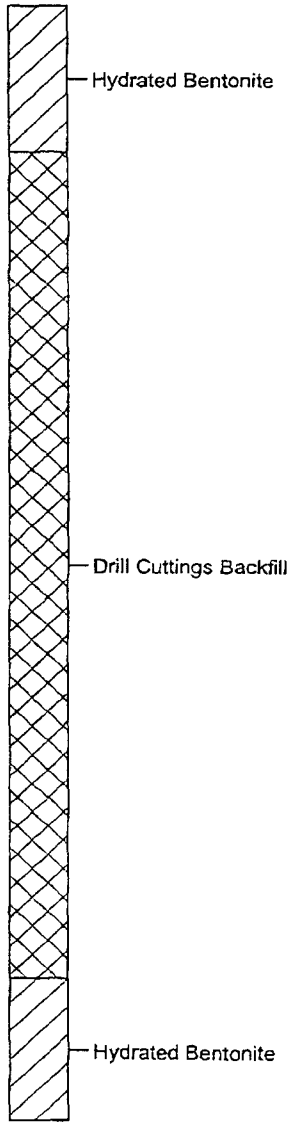
Contact:

Job: RICEOPR.DRL.04

Date	: 06-02-04	Site Location	: EME G-18
Drill Start	: 1000	Auger Type	: Hollow Stem
Drill End	: 1030	Logged By	: Mort Bates
Boring Location:	:		

Depth in Feet	GRAPHIC	USCS	Samples	DESCRIPTION	Lab No.
0				Clayey Sand w/ Caliche, Loose, Tan, Dry	
10		SC			
20				Caliche, Hard, White, Dry	
25				Total Depth 23'	

Well: TH-1



06-15-2004 C:\MTECH46\RICE1\lith1d.bor

3 ft North of jct. No samples.

Atkins Engineering Associates, Inc.
2904 W. 2nd St., Roswell, NM 88202-3156

LOG OF BORING Test Hole #2

(Page 1 of 1)

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

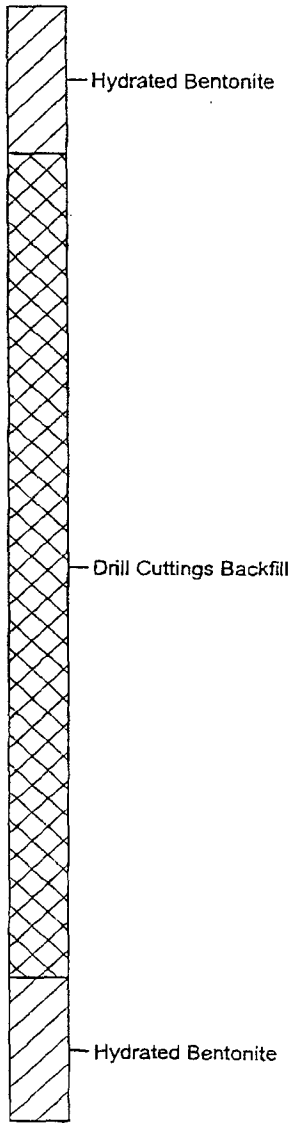
Contact:

Job: RICEOPR.DRL.04

Date	: 06-02-04	Site Location	: EME G-18
Drill Start	: 1030	Auger Type	: Hollow Stem
Drill End	: 1100	Logged By	: Mort Bates
Boring Location:	:		

Depth in Feet	GRAPHIC	USCS	Samples	DESCRIPTION	Lab No.
0				Clayey Sand w/ Caliche, Loose, Tan, Dry	
10		SC			
20				Caliche, Hard, White, Dry	
25				Total Depth 23'	

Well: TH-2



06-15-2004 C:\MTECH46\RICE1\th2a.bor

Lab Bottom

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kristin Farris

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: No Project

Project Number: EME Jct G-18

Location: None Given

Lab Order Number: 4C01012

Report Date: 03/03/04

Rice Operating Co.	Project: No Project	Fax: (505) 397-1471
122 W. Taylor	Project Number: EME Jct G-18	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris	03/03/04 13:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Lab 4 Wall Comp.	4C01012-01	Soil	02/26/04 09:00	02/28/04 08:30

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: No Project	Fax: (505) 397-1471
122 W. Taylor	Project Number: EME Jct G-18	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris	03/03/04 13:01

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lab 4 Wall Comp. (4C01012-01)									
Benzene	J [0.0246]	0.0250	mg/kg dry	25	EC40210	03/01/04	03/02/04	EPA 8021B	J
Toluene	**0.191**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.224**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**1.01**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.297**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*106 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.7 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**392**	10.0	mg/kg dry	1	EC40101	03/01/04	03/01/04	EPA 8015M	
Diesel Range Organics >C12-C35	**2690**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**3080**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*108 %*	*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.

Roland K Tuttle

Quality Assurance Review

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Rice Operating Co.	Project: No Project	Fax: (505) 397-1471
122 W. Taylor	Project Number: EME Jct G-18	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris	03/03/04 13:01

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lab 4 Wall Comp. (4C01012-01)									
Chloride	**126**	20.0	mg/kg Wet	2	EC40308	03/02/04	03/02/04	SW 846 9253	
% Solids	**92.0**		%	1	EC40202	03/02/04	03/02/04	% calculation	

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
Batch EC40101 - Solvent Extraction (GC)										
Blank (EC40101-BLK1)				Prepared & Analyzed: 03/01/04						
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	*41.0*		*mg/kg*	*50.0*		*82.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.3*		*"*	*50.0*		*84.6*	*70-130*			
LCS (EC40101-BS1)				Prepared & Analyzed: 03/01/04						
Gasoline Range Organics C6-C12	460	10.0	mg/kg wet	500		92.0	75-125			
Diesel Range Organics >C12-C35	462	10.0	"	500		92.4	75-125			
Total Hydrocarbon C6-C35	922	10.0	"	1000		92.2	75-125			
Surrogate: 1-Chlorooctane	*40.7*		*mg/kg*	*50.0*		*81.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.8*		*"*	*50.0*		*73.6*	*70-130*			
LCS Dup (EC40101-BSD1)				Prepared & Analyzed: 03/01/04						
Gasoline Range Organics C6-C12	438	10.0	mg/kg wet	500		87.6	75-125	4.90	20	
Diesel Range Organics >C12-C35	513	10.0	"	500		103	75-125	10.5	20	
Total Hydrocarbon C6-C35	951	10.0	"	1000		95.1	75-125	3.10	20	
Surrogate: 1-Chlorooctane	*44.9*		*mg/kg*	*50.0*		*89.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.3*		*"*	*50.0*		*72.6*	*70-130*			
Calibration Check (EC40101-CCV1)				Prepared & Analyzed: 03/01/04						
Gasoline Range Organics C6-C12	468		mg/kg	500		93.6	80-120			
Diesel Range Organics >C12-C35	502		"	500		100	80-120			
Total Hydrocarbon C6-C35	970		"	1000		97.0	80-120			
Surrogate: 1-Chlorooctane	*53.8*		*"*	*50.0*		*108*	*70-130*			
Surrogate: 1-Chlorooctadecane	*50.0*		*"*	*50.0*		*100*	*70-130*			

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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
Batch EC40210 - EPA 5030C (GC)										
Blank (EC40210-BLK1)				Prepared & Analyzed: 03/01/04						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*83.7*		*ug/kg*	*100*		*83.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*93.2*		*"*	*100*		*93.2*	*80-120*			
LCS (EC40210-BS1)				Prepared & Analyzed: 03/01/04						
Benzene	81.8		ug/kg	100		81.8	80-120			
Toluene	87.8		"	100		87.8	80-120			
Ethylbenzene	90.6		"	100		90.6	80-120			
Xylene (p/m)	178		"	200		89.0	80-120			
Xylene (o)	91.3		"	100		91.3	80-120			
Surrogate: a,a,a-Trifluorotoluene	*90.0*		*"*	*100*		*90.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*99.4*		*"*	*100*		*99.4*	*80-120*			
LCS Dup (EC40210-BSD1)				Prepared: 03/01/04 Analyzed: 03/02/04						
Benzene	98.3		ug/kg	100		98.3	80-120	18.3	20	
Toluene	96.8		"	100		96.8	80-120	9.75	20	
Ethylbenzene	94.5		"	100		94.5	80-120	4.21	20	
Xylene (p/m)	186		"	200		93.0	80-120	4.40	20	
Xylene (o)	95.5		"	100		95.5	80-120	4.50	20	
Surrogate: a,a,a-Trifluorotoluene	*94.7*		*"*	*100*		*94.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*111*		*"*	*100*		*111*	*80-120*			
Calibration Check (EC40210-CCV1)				Prepared: 03/01/04 Analyzed: 03/02/04						
Benzene	98.0		ug/kg	100		98.0	80-120			
Toluene	92.7		"	100		92.7	80-120			
Ethylbenzene	90.8		"	100		90.8	80-120			
Xylene (p/m)	179		"	200		89.5	80-120			
Xylene (o)	94.5		"	100		94.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	*90.9*		*"*	*100*		*90.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*108*		*"*	*100*		*108*	*80-120*			

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
Batch EC40202 - % Solids										
Blank (EC40202-BLK1)				Prepared & Analyzed: 03/02/04						
% Solids	100		%							
Duplicate (EC40202-DUP1)		**Source: 4C01011-01**		Prepared & Analyzed: 03/02/04						
% Solids	88.0		%		86.0			2.30	20	
Batch EC40308 - Water Extraction										
Blank (EC40308-BLK1)				Prepared & Analyzed: 03/02/04						
Chloride	ND	20.0	mg/kg Wet							
Calibration Check (EC40308-CCV1)				Prepared & Analyzed: 03/02/04						
Chloride	4940		mg/kg	5000		98.8	80-120			
Matrix Spike (EC40308-MS1)		**Source: 4C01011-01**		Prepared & Analyzed: 03/02/04						
Chloride	1120	20.0	mg/kg Wet	500	617	101	80-120			
Matrix Spike Dup (EC40308-MSD1)		**Source: 4C01011-01**		Prepared & Analyzed: 03/02/04						
Chloride	1130	20.0	mg/kg Wet	500	617	103	80-120	0.889	20	

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Quality Assurance Review

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Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
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

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Quality Assurance Review

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Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KRISTIN FARRIS
Company Name: RICE OPER. Co.
Company Address: 221 W. TAYLOR
City/State/Zip: Hobbs, N.M. 88240
Telephone No: 505-393-9174
Fax No: 505-397-1471
Sampler Signature: [signature]

Project Name:
Project #: EME JCT G-18
Project Loc:
PO #:

Analyze For: TCLP: / TOTAL:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	TDS / CL / SAR / EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030							RUSH TAT (Pre-Schedule)	Standard TAT
4C01012	10' EAST SP#1	2-26-04	900																												
	10' EAST SP#2	↓	908																												
	10' EAST SP#3	↓	912																												
	10' EAST SP#4	↓	917																												
	10' EAST SP#5	↓	920																												
	8' South SP#1	↓	942																												
	8' South SP#2	↓	946																												
	8' South SP#3	↓	950																												
	8' South SP#4	↓	954																												
	8' South SP#5	↓	958																												

Special Instructions: Composite 10' EAST SP#1-5, Composite 8' South SP#1-5, Composite 10' North SP#1-5 & Composite WEST SP#1-5 Composite Into 1 Sample Run BTEX, TPH 8015M, Cl-, LABEL This As LAB 4 WALL Comp. Contact Roy If Any ?

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments: Rec 4°C

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	2-27	8:30			
Relinquished by: [signature]	2/28/04	8:20/10	Received by ELOT: [signature]	2-28-04	0830

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763

Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KRISTIN FARRIS
Company Name: RICE OPER. CO.
Company Address: 221 W. TAYLOR
City/State/Zip: Hobbs, N.M. 88240
Telephone No: 505-393-9174
Fax No: 505-397-1471
Sampler Signature: [signature]

Project Name:
Project #: EME JCT G-18
Project Loc:
PO #: 785

4C01012

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TDS (CL) SAR / EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)	Standard TAT
	10' North SP#1	2-26-04	1002																						
	10' North SP#2		1006																						
	10' North SP#3		1010																						
	10' North SP#4		1013																						
	10' North SP#5		1018																						
	West SP#1		921																						
	West SP#2		926																						
	West SP#3		931																						
	West SP#4		934																						
	West SP#5		939																						
Special Instructions: -01 Lab 4 Wall Comp														X		X									

Sample Containers Intact? [X] Y N
Temperature Upon Receipt: [X]
Laboratory Comments: Ice 4°C

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	2-27-04	8:30			
Relinquished by: [signature]	2/28/04	8:20	Received by ELOT: [signature]	2-28-04	0830

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

Client: OES, Inc.

Date/Time: 02-28-04 @ 0830

Order #: 4C01012

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	4 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	Yes	No	(Not present)
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	Yes	No	NO LABELS
Container labels legible and intact?	Yes	No	NO LABELS
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(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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Bottom Comp.

Field Wall Comp.

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kristin Farris

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: No Project

Project Number: EME Jct G-18

Location: None Given

Lab Order Number: 4C01011

Report Date: 03/03/04

Rice Operating Co.	Project: No Project	Fax: (505) 397-1471
122 W. Taylor	Project Number: EME Jct G-18	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris	03/03/04 13:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bttm. SP 1-5 @ 12' Comp.	4C01011-01	Soil	02/26/04 10:30	02/28/04 08:30
Bttm. Comp. Field @ 12'	4C01011-02	Soil	02/26/04 10:30	02/28/04 08:30
4 Wall Comp. Field	4C01011-03	Soil	02/26/04 10:50	02/28/04 08:30

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: No Project	Fax: (505) 397-1471
122 W. Taylor	Project Number: EME Jct G-18	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris	03/03/04 13:00

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bttm. SP 1-5 @ 12' Comp. (4C01011-01)									
Benzene	**1.30**	0.0250	mg/kg dry	25	EC40210	03/01/04	03/01/04	EPA 8021B	
Toluene	**2.74**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.438**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**1.81**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.268**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*292 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*96.1 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**939**	10.0	mg/kg dry	1	EC40101	03/01/04	03/01/04	EPA 8015M	
Diesel Range Organics >C12-C35	**6520**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**7460**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*116 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*108 %*	*70-130*		"	"	"	"	
Bttm. Comp. Field @ 12' (4C01011-02)									
Benzene	**3.65**	0.0250	mg/kg dry	25	EC40210	03/01/04	03/01/04	EPA 8021B	
Toluene	**4.15**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.626**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**2.25**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.395**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*415 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**954**	10.0	mg/kg dry	1	EC40101	03/01/04	03/01/04	EPA 8015M	
Diesel Range Organics >C12-C35	**7060**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**8010**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*114 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*108 %*	*70-130*		"	"	"	"	
4 Wall Comp. Field (4C01011-03)									
Benzene	**0.0440**	0.0250	mg/kg dry	25	EC40210	03/01/04	03/02/04	EPA 8021B	
Toluene	**0.281**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.265**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**1.29**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.331**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*121 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*97.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**458**	10.0	mg/kg dry	1	EC40101	03/01/04	03/01/04	EPA 8015M	
Diesel Range Organics >C12-C35	**3100**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**3560**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*108 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*112 %*	*70-130*		"	"	"	"	

Environmental Lab of Texas

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Raba 3/4 10

Quality Assurance Review

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: No Project	Fax: (505) 397-1471
122 W. Taylor	Project Number: EME Jct G-18	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris	03/03/04 13:00

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bttm. SP 1-5 @ 12' Comp. (4C01011-01)									
Chloride	**617**	20.0	mg/kg Wet	2	EC40308	03/02/04	03/02/04	SW 846 9253	
% Solids	**86.0**		%	1	EC40202	03/02/04	03/02/04	% calculation	
Bttm. Comp. Field @ 12' (4C01011-02)									
Chloride	**553**	20.0	mg/kg Wet	2	EC40308	03/02/04	03/02/04	SW 846 9253	
% Solids	**85.0**		%	1	EC40202	03/02/04	03/02/04	% calculation	
4 Wall Comp. Field (4C01011-03)									
Chloride	**149**	20.0	mg/kg Wet	2	EC40308	03/02/04	03/02/04	SW 846 9253	
% Solids	**91.0**		%	1	EC40202	03/02/04	03/02/04	% calculation	

Environmental Lab of Texas

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Quality Assurance Review

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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
Batch EC40101 - Solvent Extraction (GC)										
Blank (EC40101-BLK1)				Prepared & Analyzed: 03/01/04						
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	*41.0*		*mg/kg*	*50.0*		*82.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.3*		*"*	*50.0*		*84.6*	*70-130*			
LCS (EC40101-BS1)				Prepared & Analyzed: 03/01/04						
Gasoline Range Organics C6-C12	460	10.0	mg/kg wet	500		92.0	75-125			
Diesel Range Organics >C12-C35	462	10.0	"	500		92.4	75-125			
Total Hydrocarbon C6-C35	922	10.0	"	1000		92.2	75-125			
Surrogate: 1-Chlorooctane	*40.7*		*mg/kg*	*50.0*		*81.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.8*		*"*	*50.0*		*73.6*	*70-130*			
LCS Dup (EC40101-BSD1)				Prepared & Analyzed: 03/01/04						
Gasoline Range Organics C6-C12	438	10.0	mg/kg wet	500		87.6	75-125	4.90	20	
Diesel Range Organics >C12-C35	513	10.0	"	500		103	75-125	10.5	20	
Total Hydrocarbon C6-C35	951	10.0	"	1000		95.1	75-125	3.10	20	
Surrogate: 1-Chlorooctane	*44.9*		*mg/kg*	*50.0*		*89.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.3*		*"*	*50.0*		*72.6*	*70-130*			
Calibration Check (EC40101-CCV1)				Prepared & Analyzed: 03/01/04						
Gasoline Range Organics C6-C12	468		mg/kg	500		93.6	80-120			
Diesel Range Organics >C12-C35	502		"	500		100	80-120			
Total Hydrocarbon C6-C35	970		"	1000		97.0	80-120			
Surrogate: 1-Chlorooctane	*53.8*		*"*	*50.0*		*108*	*70-130*			
Surrogate: 1-Chlorooctadecane	*50.0*		*"*	*50.0*		*100*	*70-130*			

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Roland K Tuttle

Quality Assurance Review

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
Batch EC40210 - EPA 5030C (GC)										
Blank (EC40210-BLK1)				Prepared & Analyzed: 03/01/04						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*83.7*		*ug/kg*	*100*		*83.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*93.2*		*"*	*100*		*93.2*	*80-120*			
LCS (EC40210-BS1)				Prepared & Analyzed: 03/01/04						
Benzene	81.8		ug/kg	100		81.8	80-120			
Toluene	87.8		"	100		87.8	80-120			
Ethylbenzene	90.6		"	100		90.6	80-120			
Xylene (p/m)	178		"	200		89.0	80-120			
Xylene (o)	91.3		"	100		91.3	80-120			
Surrogate: a,a,a-Trifluorotoluene	*90.0*		*"*	*100*		*90.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*99.4*		*"*	*100*		*99.4*	*80-120*			
LCS Dup (EC40210-BSD1)				Prepared: 03/01/04 Analyzed: 03/02/04						
Benzene	98.3		ug/kg	100		98.3	80-120	18.3	20	
Toluene	96.8		"	100		96.8	80-120	9.75	20	
Ethylbenzene	94.5		"	100		94.5	80-120	4.21	20	
Xylene (p/m)	186		"	200		93.0	80-120	4.40	20	
Xylene (o)	95.5		"	100		95.5	80-120	4.50	20	
Surrogate: a,a,a-Trifluorotoluene	*94.7*		*"*	*100*		*94.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*111*		*"*	*100*		*111*	*80-120*			
Calibration Check (EC40210-CCV1)				Prepared: 03/01/04 Analyzed: 03/02/04						
Benzene	98.0		ug/kg	100		98.0	80-120			
Toluene	92.7		"	100		92.7	80-120			
Ethylbenzene	90.8		"	100		90.8	80-120			
Xylene (p/m)	179		"	200		89.5	80-120			
Xylene (o)	94.5		"	100		94.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	*90.9*		*"*	*100*		*90.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*108*		*"*	*100*		*108*	*80-120*			

Rice Operating Co.	Project: No Project	Fax: (505) 397-1471
122 W. Taylor	Project Number: EME Jct G-18	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris	03/03/04 13:00

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
Batch EC40202 - % Solids										
Blank (EC40202-BLK1)				Prepared & Analyzed: 03/02/04						
% Solids	100		%							
Duplicate (EC40202-DUP1)		**Source: 4C01011-01**		Prepared & Analyzed: 03/02/04						
% Solids	88.0		%		86.0			2.30	20	
Batch EC40308 - Water Extraction										
Blank (EC40308-BLK1)				Prepared & Analyzed: 03/02/04						
Chloride	ND	20.0	mg/kg Wet							
Calibration Check (EC40308-CCV1)				Prepared & Analyzed: 03/02/04						
Chloride	4940		mg/kg	5000		98.8	80-120			
Matrix Spike (EC40308-MS1)		**Source: 4C01011-01**		Prepared & Analyzed: 03/02/04						
Chloride	1120	20.0	mg/kg Wet	500	617	101	80-120			
Matrix Spike Dup (EC40308-MSD1)		**Source: 4C01011-01**		Prepared & Analyzed: 03/02/04						
Chloride	1130	20.0	mg/kg Wet	500	617	103	80-120	0.889	20	

Environmental Lab of Texas

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Quality Assurance Review

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

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Quality Assurance Review

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KRISTIN FARRIS
Company Name: RICE OPER. CO.
Company Address: 221 W. TAYLOR
City/State/Zip: Hobbs, N.M. 88240
Telephone No: 505-393-9174 Fax No: 505-397-1471
Sampler Signature:

Project Name:
Project #: EME JCT G-18
Project Loc:
PO #:

HC 01011

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TOTAL: TDS (CL) SAR / EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)	Standard TAT
-01 (COMPOSITE)	BTTM SP#1 @ 12'	2-26-04	1030	1	✓									✓											
	BTTM SP#2 @ 12'		1036	1	✓									✓											
	BTTM SP#3 @ 12'		1041	1	✓									✓		✓			✓				✓		
	BTTM SP#4 @ 12'		1044	1	✓									✓											
	BTTM SP#5 @ 12'		1047	1	✓									✓	COMPOSITE										
-02	BTTM Comp. Field @ 12'		1030	1	✓									✓		✓			✓				✓		
-03	4 WALL Comp. Field		1050	1	✓									✓		✓			✓				✓		

Special Instructions: Composite SAmples BTTM SP#1-5, Into 1 SAmple ~~@ 10' EAST SP#4~~ ~~5 @ 8' EAST & South SP#1-5~~ RRR Run BTEX, CL, TPH 8015M

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments: Rec 4°C

Relinquished by:	Date	Time	Received by:	Date	Time
Gary Steele	2-27-04	8:30			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
[signature]	2/28/04	0820	[signature]	2-28-04	0830

Aug 07 01 10:22a

P.2

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

Client: Rice Operating Co.

Date/Time: 02-28-04 @ 0830

Order #: 4C0100 11

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	4 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	NO LABELS
Container labels legible and intact?	Yes	No	NO LABELS
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

Regarding:

Corrective Action Taken:

Backfill

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Jct G-18
Project Number: None Given
Location: EME

Lab Order Number: 4B26005

Report Date: 02/27/04

Rice Operating Co.	Project: Jct G-18	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris	02/27/04 14:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Remed. Backfill	4B26005-01	Soil	02/25/04 14:11	02/26/04 10:25

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: Jct G-18	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris	02/27/04 14:13

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Remed. Backfill (4B26005-01)									
Benzene	ND	0.0250	mg/kg dry	25	EB42609	02/26/04	02/26/04	EPA 8021B	
Toluene	**0.0721**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0687**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.299**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0936**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*87.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**302**	10.0	mg/kg dry	1	EB42606	02/26/04	02/27/04	EPA 8015M	
Diesel Range Organics >C12-C35	**4570**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**4870**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*108 %*	*70-130*		"	"	"	"	

Environmental Lab of Texas

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Quality Assurance Review

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: Jct G-18	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris	02/27/04 14:13

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Remed. Backfill (4B26005-01)									
Chloride	**298**	20.0	mg/kg Wet	2	EB42612	02/26/04	02/26/04	SW 846 9253	
% Solids	**89.0**		%	1	EB42702	02/27/04	02/27/04	% calculation	

Environmental Lab of Texas

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Quality Assurance Review

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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
Batch EB42606 - Solvent Extraction (GC)										
Blank (EB42606-BLK1)				Prepared & Analyzed: 02/26/04						
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	*36.3*		*mg/kg*	*50.0*		*72.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.2*		*"*	*50.0*		*72.4*	*70-130*			
LCS (EB42606-BS1)				Prepared & Analyzed: 02/26/04						
Gasoline Range Organics C6-C12	390	10.0	mg/kg wet	500		78.0	75-125			
Diesel Range Organics >C12-C35	452	10.0	"	500		90.4	75-125			
Total Hydrocarbon C6-C35	842	10.0	"	1000		84.2	75-125			
Surrogate: 1-Chlorooctane	*37.1*		*mg/kg*	*50.0*		*74.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.4*		*"*	*50.0*		*72.8*	*70-130*			
Calibration Check (EB42606-CCV1)				Prepared & Analyzed: 02/26/04						
Gasoline Range Organics C6-C12	466		mg/kg	500		93.2	80-120			
Diesel Range Organics >C12-C35	501		"	500		100	80-120			
Total Hydrocarbon C6-C35	967		"	1000		96.7	80-120			
Surrogate: 1-Chlorooctane	*60.3*		*"*	*50.0*		*121*	*70-130*			
Surrogate: 1-Chlorooctadecane	*57.4*		*"*	*50.0*		*115*	*70-130*			
Matrix Spike (EB42606-MS1)	**Source: 4B26002-02**			Prepared: 02/26/04 Analyzed: 02/27/04						
Gasoline Range Organics C6-C12	503	10.0	mg/kg dry	543	ND	92.6	75-125			
Diesel Range Organics >C12-C35	540	10.0	"	543	ND	99.4	75-125			
Total Hydrocarbon C6-C35	1040	10.0	"	1090	ND	95.4	75-125			
Surrogate: 1-Chlorooctane	*56.7*		*mg/kg*	*50.0*		*113*	*70-130*			
Surrogate: 1-Chlorooctadecane	*45.5*		*"*	*50.0*		*91.0*	*70-130*			
Matrix Spike Dup (EB42606-MSD1)	**Source: 4B26002-02**			Prepared: 02/26/04 Analyzed: 02/27/04						
Gasoline Range Organics C6-C12	488	10.0	mg/kg dry	543	ND	89.9	75-125	3.03	20	
Diesel Range Organics >C12-C35	545	10.0	"	543	ND	100	75-125	0.922	20	
Total Hydrocarbon C6-C35	1030	10.0	"	1090	ND	94.5	75-125	0.966	20	
Surrogate: 1-Chlorooctane	*56.7*		*mg/kg*	*50.0*		*113*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.9*		*"*	*50.0*		*89.8*	*70-130*			

Environmental Lab of Texas

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Quality Assurance Review

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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
Batch EB42609 - EPA 5030C (GC)										
Blank (EB42609-BLK1)				Prepared & Analyzed: 02/26/04						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*82.5*		*ug/kg*	*100*		*82.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*95.1*		*"*	*100*		*95.1*	*80-120*			
LCS (EB42609-BS1)				Prepared & Analyzed: 02/26/04						
Benzene	97.1		ug/kg	100		97.1	80-120			
Toluene	92.8		"	100		92.8	80-120			
Ethylbenzene	92.2		"	100		92.2	80-120			
Xylene (p/m)	181		"	200		90.5	80-120			
Xylene (o)	92.9		"	100		92.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	*97.7*		*"*	*100*		*97.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*108*		*"*	*100*		*108*	*80-120*			
Calibration Check (EB42609-CCV1)				Prepared: 02/26/04 Analyzed: 02/27/04						
Benzene	88.3		ug/kg	100		88.3	80-120			
Toluene	87.1		"	100		87.1	80-120			
Ethylbenzene	86.5		"	100		86.5	80-120			
Xylene (p/m)	170		"	200		85.0	80-120			
Xylene (o)	85.3		"	100		85.3	80-120			
Surrogate: a,a,a-Trifluorotoluene	*97.4*		*"*	*100*		*97.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*92.9*		*"*	*100*		*92.9*	*80-120*			
Matrix Spike (EB42609-MS1)	**Source: 4B26002-02**			Prepared & Analyzed: 02/26/04						
Benzene	93.5		ug/kg	100	ND	93.5	80-120			
Toluene	90.9		"	100	ND	90.9	80-120			
Ethylbenzene	91.0		"	100	ND	91.0	80-120			
Xylene (p/m)	180		"	200	ND	90.0	80-120			
Xylene (o)	90.5		"	100	ND	90.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	*95.3*		*"*	*100*		*95.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*99.8*		*"*	*100*		*99.8*	*80-120*			

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
Batch EB42609 - EPA 5030C (GC)										
Matrix Spike Dup (EB42609-MSD1)	**Source: 4B26002-02**			Prepared & Analyzed: 02/26/04						
Benzene	94.3		ug/kg	100	ND	94.3	80-120	0.852	20	
Toluene	91.2		"	100	ND	91.2	80-120	0.329	20	
Ethylbenzene	91.5		"	100	ND	91.5	80-120	0.548	20	
Xylene (p/m)	180		"	200	ND	90.0	80-120	0.00	20	
Xylene (o)	91.4		"	100	ND	91.4	80-120	0.990	20	
Surrogate: a,a,a-Trifluorotoluene	*96.3*		"	*100*		*96.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*104*		"	*100*		*104*	*80-120*			

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Quality Assurance Review

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: Jct G-18	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris	02/27/04 14:13

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
Batch EB42612 - General Preparation (WetChem)										
Blank (EB42612-BLK1)				Prepared & Analyzed: 02/26/04						
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EB42612-MS1)		**Source: 4B26005-01**		Prepared & Analyzed: 02/26/04						
Chloride	723	20.0	mg/kg Wet	500	298	85.0	80-120			
Matrix Spike Dup (EB42612-MSD1)		**Source: 4B26005-01**		Prepared & Analyzed: 02/26/04						
Chloride	723	20.0	mg/kg Wet	500	298	85.0	80-120	0.00	20	
Batch EB42702 - % Solids										
Blank (EB42702-BLK1)				Prepared & Analyzed: 02/27/04						
% Solids	100		%							
Duplicate (EB42702-DUP1)		**Source: 4B26001-01**		Prepared & Analyzed: 02/27/04						
% Solids	83.0		%		82.0			1.21	20	

Environmental Lab of Texas

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Quality Assurance Review

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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

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Kristin Farris
Company Name: Rice Operating
Company Address: 122 W. Taylor
City/State/Zip: Hobbs, NM 88240
Telephone No: (505) 393-9174 Fax No: (505) 397-1471
Sampler Signature:

Project Name: JCT G-18
Project #:
Project Loc: EME
PO #: 785

4626005

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers 4oz 6/955	Preservative: Ice	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: TCLP: TOTAL: TDS (Cl) SAR / EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)	Standard TAT
	S. WALL Comp	2-25-04	1:48	1	✓									✓		✓			✓						
-01	Remed. Backfill	2-25-04	2:11	1	✓									✓		✓			✓				✓		
	E WALL Comp.	2-25-04	2:15	1	✓									✓		✓			✓				✓		

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments: 1.5°C

Relinquished by:	Date	Time	Received by:	Date	Time
Kristin Farris	022604	1025			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Jeanne McMurray	02-26-04	1025

Aug 07 01 10:22a

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

Client: Rice Operating Co.

Date/Time: 02-26-04@ 1230

Order #: 4B26005

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	1.5 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	Yes	No	(Not present)
Custody Seals intact on sample bottles?	Yes	No	(Not present)
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	Yes	No	NO LABEL
Container labels legible and intact?	Yes	No	NO LABEL
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

Contact Person: -_____ Date/Time: _____ Contacted by: _____

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: KRISTIN FARRIS
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 06/03/04
Reporting Date: 06/05/04
Project Number: NOT GIVEN
Project Name: EME JCT. G-18 @ 20'
Project Location: NOT GIVEN

Sampling Date: 06/02/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		06/04/04	06/04/04	06/04/04	06/04/04
H8783-1	EME JCT. G-18 @ 20'	<0.005	<0.005	<0.005	<0.0015
Quality Control		0.096	0.098	0.092	0.274
True Value QC		0.100	0.100	0.100	0.300
% Recovery		95.5	97.7	92.3	91.2
Relative Percent Difference		2.7	3.7	3.7	3.9

METHOD: EPA SW-846 8260

Chemist

6/5/04
Date

F19785R.XLS

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: KRISTIN FARRIS
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 06/03/04
Reporting Date: 06/04/04
Project Number: NOT GIVEN
Project Name: EME JCT. G-18 @ 20'
Project Location: NOT GIVEN

Sampling Date: 06/02/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC/AH

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		06/03/04	06/03/04	06/03/04
H8783-1	EME JCT. G-18 @ 20'	<10.0	266	896
Quality Control		790	785	950
True Value QC		800	800	1000
% Recovery		98.8	98.2	95.0
Relative Percent Difference		0.9	7.2	6.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl^-: Std. Methods 4500-Cl^-B
*Analysis performed on a 1:4 w:v aqueous extract.

Chemist

6/4/04
Date

H8783A.XLS

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CARDINAL LABORATORIES, INC.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Page ____ of ____

		BILL TO	
Company Name:	RICE Operating	P.O. #:	
Project Manager:	Kristin Farris	Company:	
Address:	122 W. Taylor	Attn:	
City:	Hobbs State: NM Zip: 88240	Address:	
Phone #:	(505) 393-9174 Fax #: (505) 397-1471	City:	
Project #:	Project Owner:	State: Zip:	
Project Name:	EME #33 G-18 @ ~~20~~ 30'	Phone #:	
Project Location:		Fax #:	
Sampler Name:	K. Farris		

FOR LAB USE ONLY				MATRIX						PRESERV			SAMPLING		ANALYSIS REQUEST												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	TPH 8015M	Cl	BTEX										
H37831	~~Jet~~ EME Jet G-18 @ ~~20~~ 30'	G	1			✓					✓		6-2-04	11:15	✓	✓	✓										

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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 collection, including attorney's fees.

Sampler Relinquished:	Date:	Received By:	Phone Result:	☐ Yes ☐ No	Add'l Phone #:
Kristin Farris	Time:		Fax Result:	☐ Yes ☐ No	Add'l Fax #:
Relinquished By:	Date: 6/3/04	Received By: (Lab Staff)	REMARKS:		
Israel Juarez	Time: 9:50	Amy Hill			
Delivered By: (Circle One)	Sample Condition Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (initials)			
Sampler - UPS - Bus - Other:					

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

LABORATORY TEST REPORT

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

AASHTO R18

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

RECEIVED
MAY 0 3 2004
RICE OPERATING
HOBBS. NM

Material: Red Clay

Test Method: ASTM: D 2922

Project: EME- G 18
Junction Box CRE

Date of Test: April 16, 2004

Depth: Finished Subgrade

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
SG-1	Pit - 6' N. & 5' E. of the SW Corner	95.0	17.3	

Control Density: 109.6
ASTM: D 698

Optimum Moisture: 16.8

Required Compaction: 95%

Lab No.: 04 5683-5684

Copies To: Rice

PETTIGREW & ASSOCIATES

BY: [signature] S.E.T.

Roy R. Rasco 5-2-04