1R - 427 - 196

REPORTS

DATE:

9-7-05

EME Jct J-36

IR0427-196

Final Report

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
EME	J-36	J	36	20S	36E	Lea	no box--junction eliminated		

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

Depth to Groundwater 100 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 6/23/2005 Date Completed 7/11/2005 NMOCD Witness no

Soil Excavated 10.6 cubic yards Excavation Length 8 Width 3 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: **Sample Date** 6/23/2005 **Sample Depth** 12 ft

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

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
GRAB @ 12 ft BGS	5.9	<10.0	<10.0	69.2

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
vertical trench at junction	2	169
	3	172
	4	225
	5	142
	6	166
	7	144
	8	197
	9	168
	10	142
	11	112
	12	151

General Description of Remedial Action:

This junction was eliminated with the pipeline replacement program. The box was removed and the location was delineated using a backhoe to excavate an 12-ft-deep trench at the junction site. Chloride field tests and PID screenings were performed on every vertical foot of soil samples from 2-12 ft. Chloride concentrations were all very low, peaking at 225 ppm on the 4-ft sample. All PID screenings were also low and TPH concentrations from the laboratory were non-detect (10.0 ppm).

The soil samples did not exhibit any physical indications of hydrocarbon or salt impact and the location was surrounded by healthy native vegetation.

The excavated soils were backfilled into the trench and contoured to the surrounding surface. The disturbed surface is expected to return to productive capacity at a normal rate.

enclosures: photos, lab results, PID field screenings

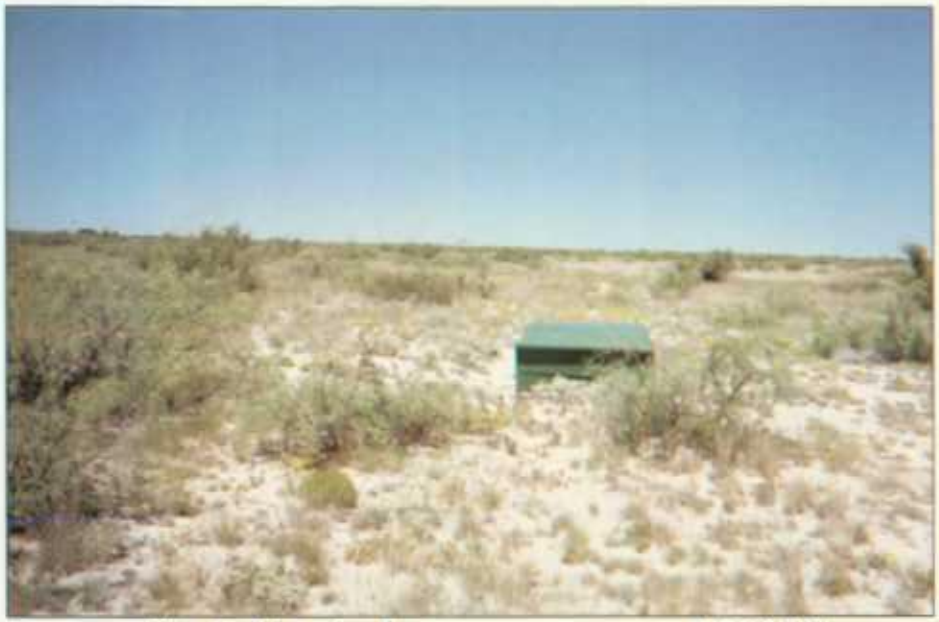
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SITE SUPERVISOR Jorge Hernandez SIGNATURE not available COMPANY RICE Operating Company

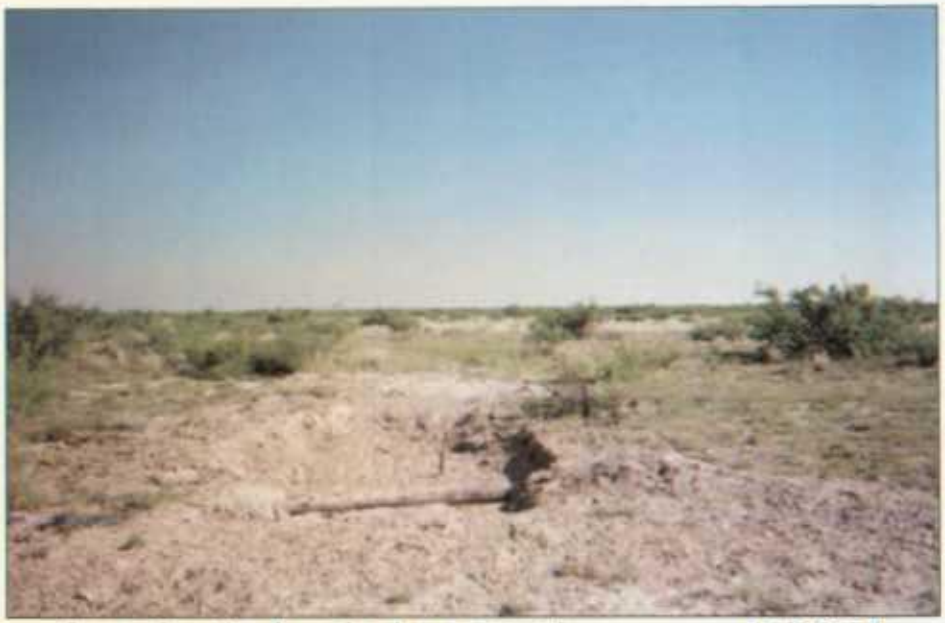
REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 9/7/2005 TITLE Project Scientist

EME jct. J-36

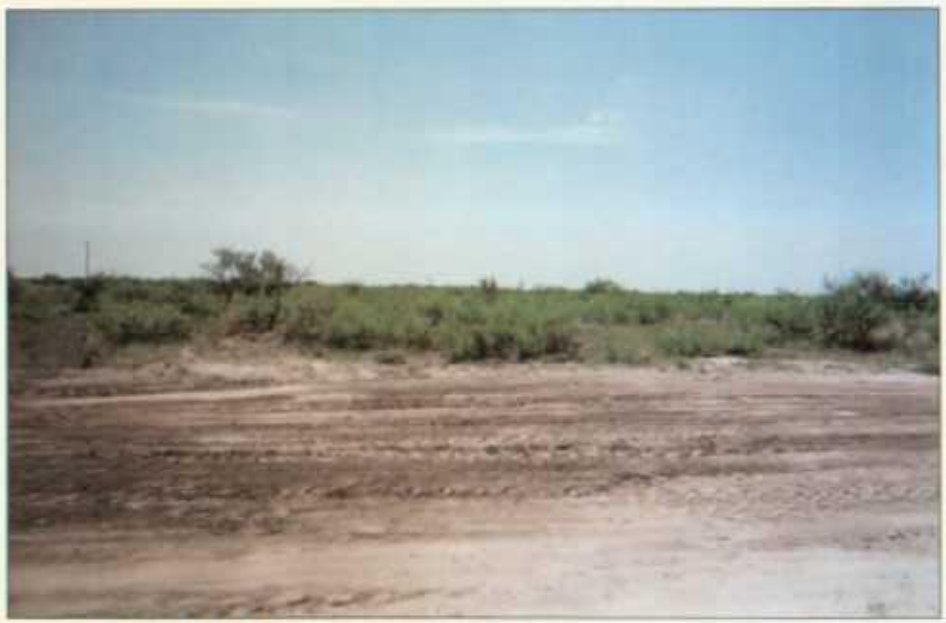


undisturbed junction box 8/25/2004



former junction box site; box removed 10/7/2004

delineation trench at former junction site 6/23/2005



backfilled site 7/11/2005

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

COPY

Analytical Report

Prepared for:

Roy Rascon

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME Jct. J-36

Project Number: None Given

Location: None Given

Lab Order Number: 5F27003

Report Date: 06/29/05

Rice Operating Co.	Project: EME Jct. J-36	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	06/29/05 13:12

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom 12'@ source	5F27003-01	Soil	06/23/05 10:38	06/24/05 18:15

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Rice Operating Co.	Project: EME Jct. J-36	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	06/29/05 13:12

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom 12'@ source (5F27003-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF52706	06/27/05	06/27/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*84.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*98.2 %*	*70-130*		"	"	"	"	

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Rice Operating Co.	Project: EME Jct. J-36	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	06/29/05 13:12

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom 12'@ source (5F27003-01) Soil									
Chloride	**69.2**	5.00	mg/kg	10	EF52811	06/28/05	06/28/05	EPA 300.0	
% Moisture	**15.3**	0.1	%	1	EF52801	06/27/05	06/28/05	% calculation	

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Rice Operating Co.	Project: EME Jct. J-36	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	06/29/05 13:12

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 EF52706 - Solvent Extraction (GC)										
Blank (EF52706-BLK1)				Prepared & Analyzed: 06/27/05						
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	*35.5*		*mg/kg*	*50.0*		*71.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.5*		*"*	*50.0*		*75.0*	*70-130*			
LCS (EF52706-BS1)				Prepared & Analyzed: 06/27/05						
Gasoline Range Organics C6-C12	389	10.0	mg/kg wet	500		77.8	75-125			
Diesel Range Organics >C12-C35	539	10.0	"	500		108	75-125			
Total Hydrocarbon C6-C35	927	10.0	"	1000		92.7	75-125			
Surrogate: 1-Chlorooctane	*42.9*		*mg/kg*	*50.0*		*85.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*41.4*		*"*	*50.0*		*82.8*	*70-130*			
Calibration Check (EF52706-CCV1)				Prepared & Analyzed: 06/27/05						
Gasoline Range Organics C6-C12	479		mg/kg	500		95.8	80-120			
Diesel Range Organics >C12-C35	539		"	500		108	80-120			
Total Hydrocarbon C6-C35	1020		"	1000		102	80-120			
Surrogate: 1-Chlorooctane	*56.0*		*"*	*50.0*		*112*	*70-130*			
Surrogate: 1-Chlorooctadecane	*59.4*		*"*	*50.0*		*119*	*70-130*			
Matrix Spike (EF52706-MS1)	**Source: 5F27008-03**			Prepared & Analyzed: 06/27/05						
Gasoline Range Organics C6-C12	449	10.0	mg/kg dry	545	7.17	81.1	75-125			
Diesel Range Organics >C12-C35	707	10.0	"	545	102	111	75-125			
Total Hydrocarbon C6-C35	1160	10.0	"	1090	102	97.1	75-125			
Surrogate: 1-Chlorooctane	*52.7*		*mg/kg*	*50.0*		*105*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.9*		*"*	*50.0*		*106*	*70-130*			
Matrix Spike Dup (EF52706-MSD1)	**Source: 5F27008-03**			Prepared: 06/27/05 Analyzed: 06/28/05						
Gasoline Range Organics C6-C12	445	10.0	mg/kg dry	545	7.17	80.3	75-125	0.895	20	
Diesel Range Organics >C12-C35	713	10.0	"	545	102	112	75-125	0.845	20	
Total Hydrocarbon C6-C35	1160	10.0	"	1090	102	97.1	75-125	0.00	20	
Surrogate: 1-Chlorooctane	*53.9*		*mg/kg*	*50.0*		*108*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.4*		*"*	*50.0*		*105*	*70-130*			

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Rice Operating Co.	Project: EME Jct. J-36	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	06/29/05 13:12

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 EF52801 - General Preparation (Prep)										
Blank (EF52801-BLK1)				Prepared: 06/27/05 Analyzed: 06/28/05						
% Moisture	ND	0.1	%							
Duplicate (EF52801-DUP1)	**Source: 5F24014-01**			Prepared: 06/27/05 Analyzed: 06/28/05						
% Moisture	0.3	0.1	%		0.3			0.00	20	
Batch EF52811 - Water Extraction										
Blank (EF52811-BLK1)				Prepared & Analyzed: 06/28/05						
Chloride	ND	0.500	mg/kg							
LCS (EF52811-BS1)				Prepared & Analyzed: 06/28/05						
Chloride	11.2		mg/L	10.0		112	80-120			
Calibration Check (EF52811-CCV1)				Prepared & Analyzed: 06/28/05						
Chloride	11.2		mg/L	10.0		112	80-120			
Duplicate (EF52811-DUP1)	**Source: 5F24016-02**			Prepared & Analyzed: 06/28/05						
Chloride	36.8	5.00	mg/kg		39.1			6.06	20	

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Rice Operating Co.	Project: EME Jct. J-36	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	06/29/05 13:12

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: 6/29/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

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: Roy Rascon
Company Name: Rice Operating Company
Company Address: 122 W Taylor
City/State/Zip: Hobbs, NM 88240
Telephone No: 505-393-9174
Fax No: 505-397-1471
Sampler Signature: Jorge Hernandez

Project Name: EME Jct J-36
Project #:
Project Loc:
PO #:

SF27003

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	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: / CL /	Analyze For: TOTAL: TPH 418.1	Analyze For: TOTAL: TPH TX 1005/1006	Analyze For: TOTAL: TPH 8015M GRO/DRO	Analyze For: TOTAL: Metals: As Ag Ba Cd Cr Pb Hg Se	Analyze For: TOTAL: Volatiles	Analyze For: TOTAL: Semivolatiles	Analyze For: TOTAL: BTEX 8021B/5030	Analyze For: TOTAL: EC, CEC, SAR, ESP	Analyze For: TOTAL: Major cations/anions, TDS	RUSH TAT (Pre-Schedule)	Standard TAT
01	Bottom 12' @ Source	6-23-05	10:38	1	X											X	X	X	X								

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt: 4oz jar
Laboratory Comments: Rec 0.5°C. Labels/custody seals on container & samples

Relinquished by:	Date	Time	Received by:	Date	Time
Jorge Hernandez	6-23-05			6/24	16:00
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	6/24	18:15	Roland Cruz	6-24-05	1815

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

Client: Rice

Date/Time: 10/24/05 18:15

Order #: 5F27003

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	0.5 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	
Container labels legible and intact?	Yes	No	
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:

_____

_____

_____

_____

_____

_____

_____

_____

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
LOT NO: _____
EXP. DATE: _____
METER READING
ACCURACY: _____

SERIAL NO: 104412

100 PPM
BALANCE
FILL DATE: _____
ACCURACY: _____

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	J-36	J	36	20S	36E

SAMPLE	PID RESULT	SAMPLE	PID RESULT
2'	2.1		
3'	2.8		
4'	1.4		
5'	7.6		
6'	7.3		
7'	9.9		
8'	3.3		
9'	5.9		
10'	3.8		
11'	10.1		
12'	5.9		

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

_____ 6-23-05
Signature Date

This information was transposed from the orign. field notes. The site supervisor is no longer w/ ROC, and I certify that the above information is true & accurate to the best of my knowledge.

Ray R. Rascon Environ. Prog. Leader
12-15-05