1R – 427 - 184

REPORTS

DATE:

9-7-05

EME G-5-1 JET

IRO427-184

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	G-5-1	G	5	21S	36E	Lea	8	6	8

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

Depth to Groundwater 200 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 6/22/2005 Date Completed 7/12/2005 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 6/22/2005 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	10.3	<10.0	<10.0	57.4

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
vertical trench at junction	7	274
	8	356
	9	404
	10	358
	11	235
	12	119

General Description of Remedial Action:

This junction was upgraded 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 6-12 ft. Chloride concentrations were all very low, peaking at 404 ppm on the 9-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. A new watertight junction box will be built over this junction.

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

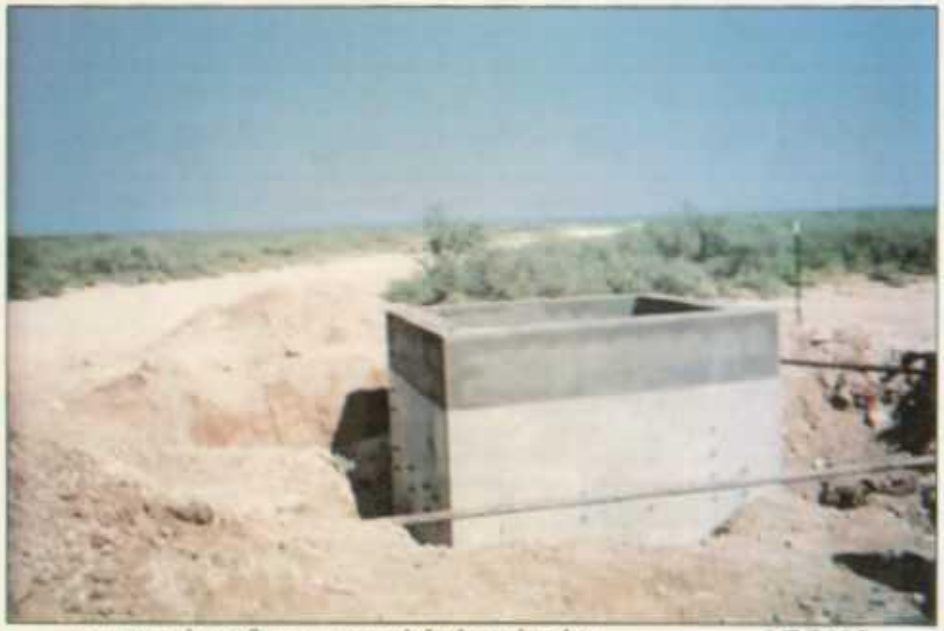
DATE 9/7/2005 TITLE Project Scientist

EME jct. G-5-1

undisturbed junction box 3/28/2005

delineation & excavation 6/22/2005

backfilling 7/12/2005



construction of new, watertight junction box 9/7/2005

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Roy Rascon

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME Jct. G-5-1 Verticle Grab@ 12'

Project Number: None Given

Location: None Given

Lab Order Number: 5F23005

Report Date: 06/29/05

Rice Operating Co.	Project: EME Jct. G-5-1 Verticle Grab@ 12'	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	06/29/05 13:15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Verticle Grab @ source 12'	5F23005-01	Soil	06/22/05 14:45	06/23/05 15:00

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

Rice Operating Co.	Project: EME Jct. G-5-1 Verticle Grab@ 12'	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	06/29/05 13:15

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Verticle Grab @ source 12' (5F23005-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF52415	06/24/05	06/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*84.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*100 %*	*70-130*		"	"	"	"	

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Rice Operating Co.	Project: EME Jct. G-5-1 Verticle Grab@ 12'	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	06/29/05 13:15

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Verticle Grab @ source 12' (5F23005-01) Soil									
Chloride	**57.4**	5.00	mg/kg	10	EF52809	06/27/05	06/27/05	EPA 300.0	
% Moisture	**4.5**	0.1	%	1	EF52701	06/24/05	06/27/05	% calculation	

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Rice Operating Co.	Project: EME Jct. G-5-1 Verticle Grab@ 12'	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	06/29/05 13:15

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 EF52415 - Solvent Extraction (GC)										
Blank (EF52415-BLK1)				Prepared: 06/24/05 Analyzed: 06/25/05						
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	*38.6*		*mg/kg*	*50.0*		*77.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*39.4*		*"*	*50.0*		*78.8*	*70-130*			
LCS (EF52415-BS1)				Prepared: 06/24/05 Analyzed: 06/25/05						
Gasoline Range Organics C6-C12	425	10.0	mg/kg wet	500		85.0	75-125			
Diesel Range Organics >C12-C35	588	10.0	"	500		118	75-125			
Total Hydrocarbon C6-C35	1010	10.0	"	1000		101	75-125			
Surrogate: 1-Chlorooctane	*46.9*		*mg/kg*	*50.0*		*93.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.9*		*"*	*50.0*		*85.8*	*70-130*			
Calibration Check (EF52415-CCV1)				Prepared: 06/24/05 Analyzed: 06/25/05						
Gasoline Range Organics C6-C12	458		mg/kg	500		91.6	80-120			
Diesel Range Organics >C12-C35	560		"	500		112	80-120			
Total Hydrocarbon C6-C35	1020		"	1000		102	80-120			
Surrogate: 1-Chlorooctane	*63.1*		*"*	*50.0*		*126*	*70-130*			
Surrogate: 1-Chlorooctadecane	*64.2*		*"*	*50.0*		*128*	*70-130*			
Matrix Spike (EF52415-MS1)	**Source: 5F23005-01**			Prepared: 06/24/05 Analyzed: 06/25/05						
Gasoline Range Organics C6-C12	445	10.0	mg/kg dry	524	ND	84.9	75-125			
Diesel Range Organics >C12-C35	525	10.0	"	524	ND	100	75-125			
Total Hydrocarbon C6-C35	969	10.0	"	1050	ND	92.3	75-125			
Surrogate: 1-Chlorooctane	*51.3*		*mg/kg*	*50.0*		*103*	*70-130*			
Surrogate: 1-Chlorooctadecane	*45.3*		*"*	*50.0*		*90.6*	*70-130*			
Matrix Spike Dup (EF52415-MSD1)	**Source: 5F23005-01**			Prepared: 06/24/05 Analyzed: 06/25/05						
Gasoline Range Organics C6-C12	441	10.0	mg/kg dry	524	ND	84.2	75-125	0.903	20	
Diesel Range Organics >C12-C35	530	10.0	"	524	ND	101	75-125	0.948	20	
Total Hydrocarbon C6-C35	972	10.0	"	1050	ND	92.6	75-125	0.309	20	
Surrogate: 1-Chlorooctane	*50.9*		*mg/kg*	*50.0*		*102*	*70-130*			
Surrogate: 1-Chlorooctadecane	*45.5*		*"*	*50.0*		*91.0*	*70-130*			

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Rice Operating Co.	Project: EME Jct. G-5-1 Verticle Grab@ 12'	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	06/29/05 13:15

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 EF52701 - General Preparation (Prep)										
Blank (EF52701-BLK1)				Prepared: 06/24/05 Analyzed: 06/27/05						
% Moisture	ND	0.1	%							
Duplicate (EF52701-DUP1)	**Source: 5F23005-01**			Prepared: 06/24/05 Analyzed: 06/27/05						
% Moisture	5.2	0.1	%		4.5			14.4	20	
Batch EF52809 - Water Extraction										
Blank (EF52809-BLK1)				Prepared & Analyzed: 06/27/05						
Chloride	ND	0.500	mg/kg							
LCS (EF52809-BS1)				Prepared & Analyzed: 06/27/05						
Chloride	11.0		mg/L	10.0		110	80-120			
Calibration Check (EF52809-CCV1)				Prepared & Analyzed: 06/27/05						
Chloride	11.2		mg/L	10.0		112	80-120			
Duplicate (EF52809-DUP1)	**Source: 5F23005-01**			Prepared & Analyzed: 06/27/05						
Chloride	55.6	5.00	mg/kg		57.4			3.19	20	

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Rice Operating Co.	Project: EME Jct. G-5-1 Verticle Grab@ 12'	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	06/29/05 13:15

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: Israel Juarez

Project Name: EME Tit G-5-1 Vertical Grab @ 12'
Project #:
Project Loc:
PO #:

SF23005

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: / TOTAL: / CL / 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 / EC, CEC, SAR, ESP / Major cations/anions, TDS	RUSH TAT (Pre-Schedule)	Standard TAT
1	Vertical Grab @ Source 12'	6-22-05	2:45	1	X									X		X	X

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt: 1.5°C
Laboratory Comments: 4oz jar

Relinquished by:	Date	Time	Received by:	Date	Time
Israel Juarez	6-23-05	9:08	Norma Brady	6-23-05	9:08
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
Norma Brady	6-23-05	15:00	Valli Kelly	6/23/05	15:00

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

Client: Rice Op.

Date/Time: 6/23/05

Order #: 5F23005

Initials: CK

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	
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:

Rice Operating Company

HOBBS, NEW MEXICO 88240
PHONE: (505) 393-9174 FAX: (505) 397-1471

VOC FIELD TEST REPORT FORM

MODEL NO: PGM 76IS
CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE AIR

LOT NO: 04-2747
EXP. DATE: 5-19-06
METER READING
ACCURACY: ± 2 %

SERIAL NO: 104412

100 PPM
BALANCE
FILL DATE: 11-19-04
ACCURACY: _____

SYSTEM	JUNCION	UNIT	SECTION	TOWNSHIP	RANGE
EME Jct G-5-1					

SAMPLE	PID RESULT	SAMPLE	PID RESULT
6'			
7'	~~234~~ 33.1		
8'	11.8		
9'	24.9		
10'	14.2		
11'	7.9		
12'	10.3		

vertical trench at jct.

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

Signature _____ Date 6-22-05