1R – 427 - 183

REPORTS

DATE:

12-9-05

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	jct. P-31	P	31	21S	36E	Lea	moved 5 ft southeast		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Dasco Land Corp. OTHER _____

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

Date Started 11/9/2005 Date Completed 11/29/2005 NMOCD Witness no

Soil Excavated 11 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** 11/9/2005 **Sample Depth** 12 ft

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

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
GRAB @ 12 ft BGS	0.0	<10.0	<10.0	162
BACKFILL COMP.	0.0	<10.0	<10.0	65.1

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
delineation trench at junction	8	152
	9	176
	10	112
	11	138
	12	190
backfill comp.	n/a	106

General Description of Remedial Action:

This junction box was upgraded as part of the pipeline replacement program. The junction has been moved 5 ft southeast. A delineation trench was made at the former junction box site and soil samples were collected every foot of depth from 8 ft to 12 ft BGS. Chloride field tests were performed on each sample and yielded very low concentrations. PID screenings were also performed on all the samples and concentrations were also very low. For confirmation, the deepest sample at 12 f was analyzed at a laboratory and confirmed the low chloride concentrations. TPH was not present within the lab's detection limit (<10.0 ppm), meeting NMOCD guidelines. The excavated soil was blended on site and then backfilled into the trench. A new watertight junction box will be built at the new junction 5 ft southeast of this site. The disturbed surface resulting from these activities will be seeded with a blend of native vegetation.

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.

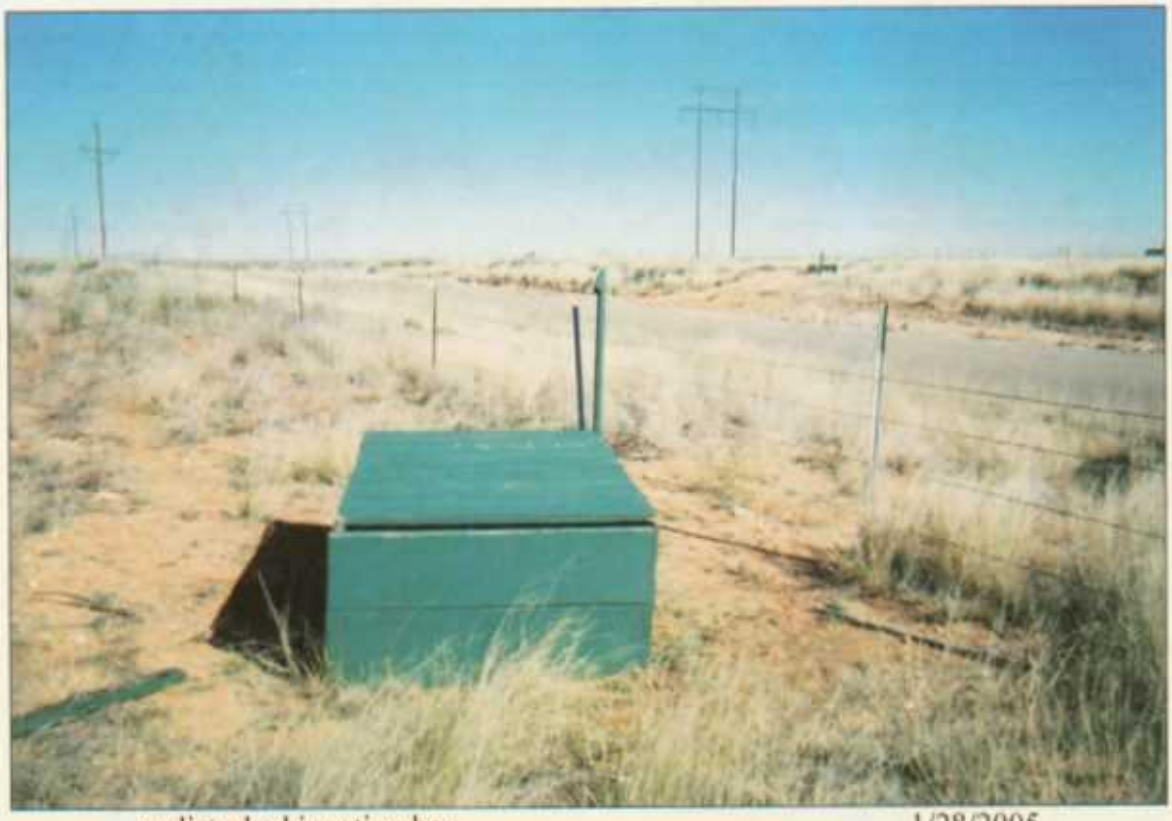
SITE SUPERVISOR Kevin Collins SIGNATURE not available COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

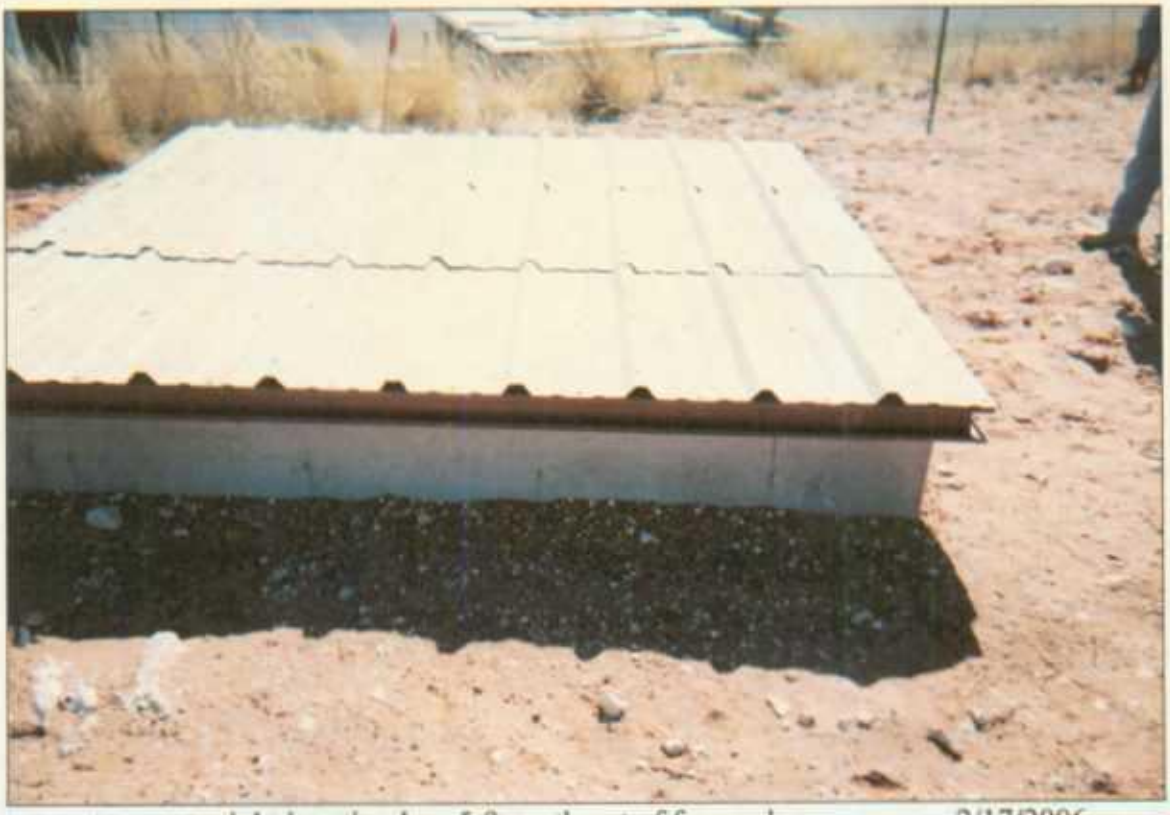
DATE 12/9/2005 TITLE Project Scientist

EME jct. P-31

Unit 'P', Section 31, T21S, R36E



undisturbed junction box 1/28/2005



new watertight junction box 5 ft southeast of former box 2/17/2006

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. P-31

Project Number: None Given

Location: None Given

Lab Order Number: 5K14013

Report Date: 11/18/05

Rice Operating Co.	Project: EME Jct. P-31	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	11/18/05 10:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Vert@ Source@ 12'	5K14013-01	Soil	11/09/05 13:45	11/11/05 17:30
Backfill COmp.	5K14013-02	Soil	11/09/05 13:50	11/11/05 17:30

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

Rice Operating Co.	Project: EME Jct. P-31	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	11/18/05 10:48

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vert@ Source@ 12' (5K14013-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK51508	11/15/05	11/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*109 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*89.0 %*	*70-130*		"	"	"	"	
Backfill COmp. (5K14013-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK51508	11/15/05	11/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*130 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*120 %*	*70-130*		"	"	"	"	

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Rice Operating Co.	Project: EME Jct. P-31	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	11/18/05 10:48

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vert@ Source@ 12' (5K14013-01) Soil									
Chloride	**162**	10.0	mg/kg	20	EK51809	11/17/05	11/18/05	EPA 300.0	
% Moisture	**10.3**	0.1	%	1	EK51501	11/14/05	11/15/05	% calculation	
Backfill COmp. (5K14013-02) Soil									
Chloride	**65.1**	5.00	mg/kg	10	EK51809	11/17/05	11/18/05	EPA 300.0	
% Moisture	**1.9**	0.1	%	1	EK51501	11/14/05	11/15/05	% calculation	

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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 EK51508 - Solvent Extraction (GC)										
Blank (EK51508-BLK1)				Prepared: 11/15/05 Analyzed: 11/16/05						
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	*49.8*		*mg/kg*	*50.0*		*99.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.0*		*"*	*50.0*		*96.0*	*70-130*			
LCS (EK51508-BS1)				Prepared: 11/15/05 Analyzed: 11/16/05						
Gasoline Range Organics C6-C12	400	10.0	mg/kg wet	500		80.0	75-125			
Diesel Range Organics >C12-C35	514	10.0	"	500		103	75-125			
Total Hydrocarbon C6-C35	914	10.0	"	1000		91.4	75-125			
Surrogate: 1-Chlorooctane	*53.7*		*mg/kg*	*50.0*		*107*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.5*		*"*	*50.0*		*105*	*70-130*			
Calibration Check (EK51508-CCV1)				Prepared: 11/15/05 Analyzed: 11/16/05						
Gasoline Range Organics C6-C12	524		mg/kg	500		105	80-120			
Diesel Range Organics >C12-C35	587		"	500		117	80-120			
Total Hydrocarbon C6-C35	1110		"	1000		111	80-120			
Surrogate: 1-Chlorooctane	*64.4*		*"*	*50.0*		*129*	*70-130*			
Surrogate: 1-Chlorooctadecane	*61.1*		*"*	*50.0*		*122*	*70-130*			
Matrix Spike (EK51508-MS1)	**Source: 5K14011-04**			Prepared: 11/15/05 Analyzed: 11/16/05						
Gasoline Range Organics C6-C12	432	10.0	mg/kg dry	571	ND	75.7	75-125			
Diesel Range Organics >C12-C35	557	10.0	"	571	ND	97.5	75-125			
Total Hydrocarbon C6-C35	989	10.0	"	1140	ND	86.8	75-125			
Surrogate: 1-Chlorooctane	*56.0*		*mg/kg*	*50.0*		*112*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.9*		*"*	*50.0*		*106*	*70-130*			
Matrix Spike Dup (EK51508-MSD1)	**Source: 5K14011-04**			Prepared: 11/15/05 Analyzed: 11/16/05						
Gasoline Range Organics C6-C12	454	10.0	mg/kg dry	571	ND	79.5	75-125	4.97	20	
Diesel Range Organics >C12-C35	583	10.0	"	571	ND	102	75-125	4.56	20	
Total Hydrocarbon C6-C35	1040	10.0	"	1140	ND	91.2	75-125	5.03	20	
Surrogate: 1-Chlorooctane	*57.9*		*mg/kg*	*50.0*		*116*	*70-130*			
Surrogate: 1-Chlorooctadecane	*53.9*		*"*	*50.0*		*108*	*70-130*			

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 EK51501 - General Preparation (Prep)										
Blank (EK51501-BLK1)				Prepared: 11/14/05 Analyzed: 11/15/05						
% Solids	100		%							
Duplicate (EK51501-DUP1)		**Source: 5K14002-01**		Prepared: 11/14/05 Analyzed: 11/15/05						
% Solids	78.8		%		79.9			1.39	20	
Batch EK51809 - Water Extraction										
Blank (EK51809-BLK1)				Prepared: 11/17/05 Analyzed: 11/18/05						
Chloride	ND	0.500	mg/kg							
LCS (EK51809-BS1)				Prepared: 11/17/05 Analyzed: 11/18/05						
Chloride	8.17		mg/L	10.0		81.7	80-120			
Calibration Check (EK51809-CCV1)				Prepared: 11/17/05 Analyzed: 11/18/05						
Chloride	8.38		mg/L	10.0		83.8	80-120			
Duplicate (EK51809-DUP1)		**Source: 5K14010-01**		Prepared: 11/17/05 Analyzed: 11/18/05						
Chloride	135	5.00	mg/kg		133			1.49	20	

Rice Operating Co.	Project: EME Jct. P-31	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	11/18/05 10:48

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: Celey D. Keene Date: 11/18/05

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 Co.
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: EMU JCT P-31
Project #:
Project Loc:
PO #:

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: 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)
5K1005				402																				
-01	Vert @ Source @ 12'	11-9-05	1:45P	1	✓									✓		✓			✓					
-02	Backfill Comp	11-9-05	1:50P	1	✓									✓		✓			✓					

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt: -2.0
Laboratory Comments: Sealed labels

Relinquished by:	Date	Time	Received by:	Date	Time
	11-9-05	5:30P		11/11	15:00
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	11/11	17:30		11/11/05	11:20

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

Client: Rice Op.

Date/Time: 11/11/05 17:30

Order #: 5K14013

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	-2.0 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

COPY

MODEL NO: PGM 761S
SERIAL NO: 104412
CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE 100 PPM
AIR BALANCE
LOT NO: 05-2859 FILL DATE: 7/19/05
EXP. DATE: 11/04/07 ACCURACY: ± 2%
METER READING
ACCURACY: 100.0

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	P-31	P	31	21	36

vertical delineation trench at jct.

SAMPLE	PID RESULT	SAMPLE	PID RESULT
8'	1.6		
9	0.1		
10	0.0		
11	0.0		
12	0.0		
Bottom @ Source 12' Grab			
	0.0		
Backfill Comp 5pt			
	0.0		

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

Signature

11/9/05
Date