

1R - 425-17

# REPORTS

DATE:

SEPT 7, 2005

Vac. Exxon State J  
EOL

1R0425-17

# 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
Vacuum	Exxon St. 'J' EOL	L	19	17S	35E	Lea	eliminated	(SWD system abandoned)	

LAND TYPE: BLM \_\_\_\_\_ STATE X FEE LANDOWNER \_\_\_\_\_ OTHER \_\_\_\_\_

Depth to Groundwater 115 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 7/13/2005 Date Completed 7/26/2005 NMOCD Witness no

Soil Excavated 8 cubic yards Excavation Length 8 Width 3 Depth 9 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 7/13/2005 Sample Depth 9 ft

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

**CHLORIDE FIELD TESTS**

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
GRAB @ 9 ft BGS	2.6	<10.0	<10.0	231

LOCATION	DEPTH (ft)	ppm
background	0.5	107
vertical trench at junction	4	182
	5	236
	6	193
	7	269
	8	148
	9	231

General Description of Remedial Action:

This junction was eliminated with the

Vacuum SWD System Abandonment. The box was removed and the location was delineated using

a backhoe to excavate an 9-ft-deep trench at the junction site. Chloride field tests and PID

screenings were performed on every vertical foot of soil samples from 4-9 ft. Chloride concentrations were all very low, peaking at 269 ppm on the 7-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.

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.

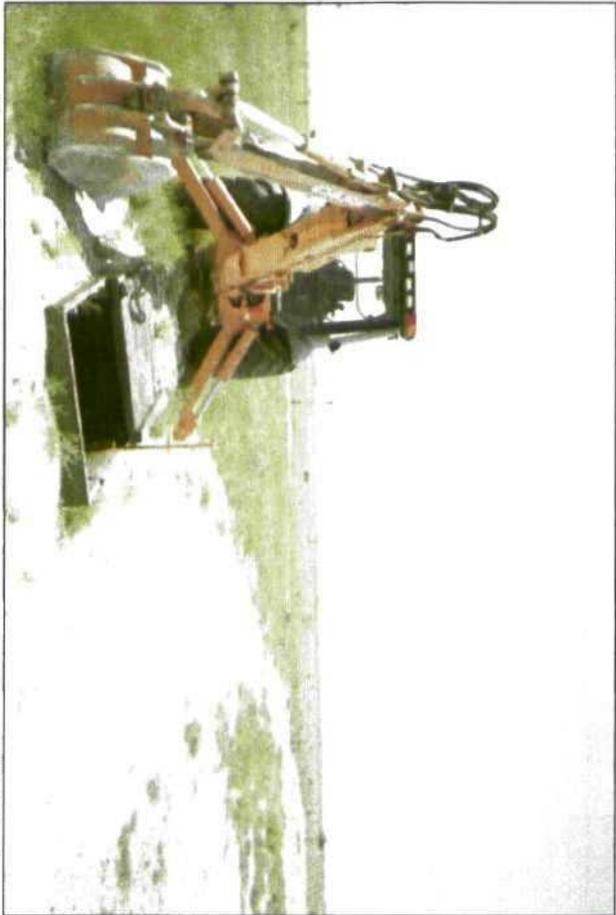
SITE SUPERVISOR Jorge Hernandez SIGNATURE not available COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Pope

DATE 9/7/2005 TITLE Project Scientist

**Vacuum Exxon St. 'J' EOL**

Unit 'L', Sec. 19, T17S, R35E



undisturbed box prior to excavation

7/13/2005



delineation trench at former box site

7/13/2005



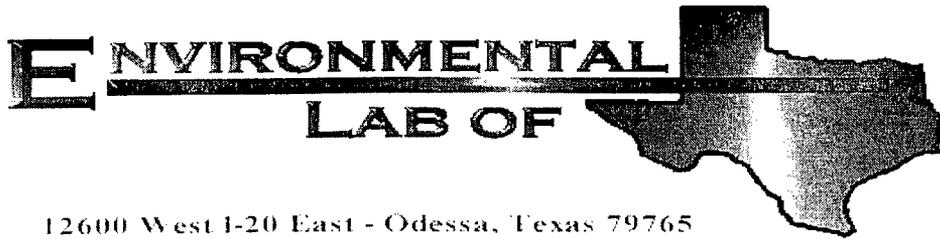
backfilling

7/26/2005



seeding backfilled site

12/7/2005



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: Vacuum Exxon St. J EOL  
Project Number: None Given  
Location: None Given

Lab Order Number: 5G14004

Report Date: 07/19/05

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

Project: Vacuum Exxon St. J EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

**Reported:**  
07/19/05 10:44

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Grab Sample@ 9'	5G14004-01	Soil	07/13/05 13:10	07/14/05 08:00

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**Reported:**  
07/19/05 10:44

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Grab Sample@ 9' (5G14004-01) Soil</b>									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG51409	07/14/05	07/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		79.2 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		83.2 %	70-130		"	"	"	"	

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Reported:  
07/19/05 10:44

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Grab Sample@ 9' (5G14004-01) Soil</b>									
Chloride	231	5.00	mg/kg	10	EG51904	07/18/05	07/18/05	EPA.300.0	
% Moisture	1.1	0.1	%	1	EG51505	07/14/05	07/15/05	% 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
<b>Batch EG51409 - Solvent Extraction (GC)</b>										
<b>Blank (EG51409-BLK1)</b> Prepared & Analyzed: 07/14/05										
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	36.0		mg/kg	50.0		72.0	70-130			
Surrogate: 1-Chlorooctadecane	35.6		"	50.0		71.2	70-130			
<b>LCS (EG51409-BS1)</b> Prepared & Analyzed: 07/14/05										
Gasoline Range Organics C6-C12	381	10.0	mg/kg wet	500		76.2	75-125			
Diesel Range Organics >C12-C35	389	10.0	"	500		77.8	75-125			
Total Hydrocarbon C6-C35	770	10.0	"	1000		77.0	75-125			
Surrogate: 1-Chlorooctane	39.6		mg/kg	50.0		79.2	70-130			
Surrogate: 1-Chlorooctadecane	35.4		"	50.0		70.8	70-130			
<b>Calibration Check (EG51409-CCV1)</b> Prepared & Analyzed: 07/14/05										
Gasoline Range Organics C6-C12	421		mg/kg	500		84.2	80-120			
Diesel Range Organics >C12-C35	445		"	500		89.0	80-120			
Total Hydrocarbon C6-C35	866		"	1000		86.6	80-120			
Surrogate: 1-Chlorooctane	57.5		"	50.0		115	70-130			
Surrogate: 1-Chlorooctadecane	50.2		"	50.0		100	70-130			
<b>Matrix Spike (EG51409-MS1)</b> Source: 5G13011-08 Prepared & Analyzed: 07/14/05										
Gasoline Range Organics C6-C12	486	10.0	mg/kg dry	548	ND	88.7	75-125			
Diesel Range Organics >C12-C35	573	10.0	"	548	43.2	96.7	75-125			
Total Hydrocarbon C6-C35	1060	10.0	"	1100	43.2	92.4	75-125			
Surrogate: 1-Chlorooctane	44.6		mg/kg	50.0		89.2	70-130			
Surrogate: 1-Chlorooctadecane	43.9		"	50.0		87.8	70-130			
<b>Matrix Spike Dup (EG51409-MSD1)</b> Source: 5G13011-08 Prepared & Analyzed: 07/14/05										
Gasoline Range Organics C6-C12	551	10.0	mg/kg dry	548	ND	101	75-125	12.5	20	
Diesel Range Organics >C12-C35	538	10.0	"	548	43.2	90.3	75-125	6.30	20	
Total Hydrocarbon C6-C35	1090	10.0	"	1100	43.2	95.2	75-125	2.79	20	
Surrogate: 1-Chlorooctane	52.8		mg/kg	50.0		106	70-130			
Surrogate: 1-Chlorooctadecane	41.6		"	50.0		83.2	70-130			

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**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 EG51505 - General Preparation (Prep)</b>										
<b>Blank (EG51505-BLK1)</b> Prepared: 07/14/05 Analyzed: 07/15/05										
% Moisture	ND	0.1	%							
<b>Duplicate (EG51505-DUP1)</b> Source: 5G14002-01 Prepared: 07/14/05 Analyzed: 07/15/05										
% Moisture	11.0	0.1	%		9.5			14.6	20	
<b>Batch EG51904 - Water Extraction</b>										
<b>Blank (EG51904-BLK1)</b> Prepared & Analyzed: 07/19/05										
Chloride	ND	0.500	mg/kg							
<b>Blank (EG51904-BLK2)</b> Prepared & Analyzed: 07/19/05										
Chloride	ND	0.500	mg/kg							
<b>LCS (EG51904-BS1)</b> Prepared & Analyzed: 07/18/05										
Chloride	11.1		mg/L	10.0		111	80-120			
<b>LCS (EG51904-BS2)</b> Prepared & Analyzed: 07/19/05										
Chloride	10.5		mg/L	10.0		105	80-120			
<b>Calibration Check (EG51904-CCV1)</b> Prepared & Analyzed: 07/18/05										
Chloride	10.9		mg/L	10.0		109	80-120			
<b>Calibration Check (EG51904-CCV2)</b> Prepared & Analyzed: 07/18/05										
Chloride	10.9		mg/L	10.0		109	80-120			
<b>Duplicate (EG51904-DUP1)</b> Source: 5G14002-01 Prepared & Analyzed: 07/18/05										
Chloride	139	5.00	mg/kg		138			0.722	20	

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**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 EG51904 - Water Extraction</b>										
<b>Duplicate (EG51904-DUP2)</b>										
Source: 5G15012-08      Prepared & Analyzed: 07/18/05										
Chloride	81.3	5.00	mg/kg		97.5			18.1	20	

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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  
LCS Laboratory Control Spike  
MS Matrix Spike  
Dup Duplicate

Report Approved By: Raland K. Tuttle Date: 7-19-05

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.

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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.*

Page 7 of 7



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

Vendor: Rice Op.  
 Date/Time: 7/14/05  
 Order #: 5614004  
 Initials: CK CK

Sample Receipt Checklist

	Yes	No	
Temperature of container/cooler?			-1.0 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	No	
Custody Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/>	No	Not present
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/>	No	Not present
Chain of custody present?	<input checked="" type="checkbox"/>	No	
Sample instructions complete on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/>	No	
Chain of custody address with sample labels?	<input checked="" type="checkbox"/>	No	
Container labels visible and intact?	<input checked="" type="checkbox"/>	No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/>	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/>	No	
Samples properly preserved?	<input checked="" type="checkbox"/>	No	
Sample bottles intact?	<input checked="" type="checkbox"/>	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/>	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	No	
COO samples have zero headspace?	<input checked="" type="checkbox"/>	No	Not Applicable

Other observations:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Variance Documentation:

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

Corrective Action Taken:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

