

1R - 425-16

REPORTS

DATE:

SEPT 1, 2005

1R0425-16

Final Report

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Vacuum	F-30	F	30	17S	35E	Lea	Length	Width	Depth
							eliminated (SWD system abandoned)		

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

Depth to Groundwater 130 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 7/14/2005 Date Completed 7/26/2005 NMOCD Witness no

Soil Excavated 7 cubic yards Excavation Length 8 Width 3 Depth 8 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 7/13/2005 Sample Depth 8 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 @ 8 ft BGS	0.2	<10.0	<10.0	172

LOCATION	DEPTH (ft)	ppm
background	0.5	69
vertical trench at junction	2	147
	3	140
	4	142
	5	142
	6	231
	7	253
	8	207

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 8-ft-deep trench at the junction site. Chloride field tests and PID screenings were performed on every vertical foot of soil samples from 2-8 ft. Chloride concentrations were all very low, peaking at 231 ppm on the 6-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 Farris Pope
DATE 9/1/2005 TITLE Project Scientist

Vacuum jct. F-30



undisturbed junction box

6/23/2005



delineation trench at former box site

7/14/2005



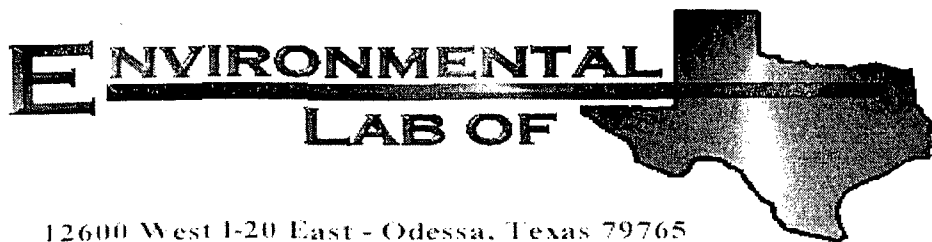
backfilling trench

7/26/2005



seeding backfilled site

12/7/2005



COPY

Analytical Report

Prepared for:

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

Project: Vacuum Jct. F-30
Project Number: None Given
Location: None Given

Lab Order Number: 5G14005

Report Date: 07/19/05

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

Project: Vacuum Jct. F-30
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@ 8"	5G14005-01	Soil	07/13/05 14:35	07/14/05 08:00

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

Project: Vacuum Jct. F-30
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471
Reported:
07/19/05 10:44

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Grab Sample@ 8" (5G14005-01) Soil									
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	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		86.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		87.2 %	70-130		"	"	"	"	

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

Project: Vacuum Jct. F-30
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

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
Grab Sample@ 8" (5G14005-01) Soil									
Chloride	172	5.00	mg/kg	10	EG51904	07/18/05	07/18/05	EPA 300.0	
% Moisture	1.4	0.1	%	1	EG51505	07/14/05	07/15/05	% calculation	

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

Project: Vacuum Jct. F-30
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Reported:
07/19/05 10:44

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
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Batch EG51409 - Solvent Extraction (GC)

Blank (EG51409-BLK1)

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			

LCS (EG51409-BS1)

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			

Calibration Check (EG51409-CCV1)

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			

Matrix Spike (EG51409-MS1)

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			

Matrix Spike Dup (EG51409-MSD1)

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			

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

Project: Vacuum Jct. F-30
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Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
07/19/05 10:44

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
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Batch EG51505 - General Preparation (Prep)

Blank (EG51505-BLK1)

Prepared: 07/14/05 Analyzed: 07/15/05

% Moisture ND 0.1 %

Duplicate (EG51505-DUP1)

Source: 5G14002-01

Prepared: 07/14/05 Analyzed: 07/15/05

% Moisture 11.0 0.1 % 9.5 14.6 20

Batch EG51904 - Water Extraction

Blank (EG51904-BLK1)

Prepared & Analyzed: 07/19/05

Chloride ND 0.500 mg/kg

Blank (EG51904-BLK2)

Prepared & Analyzed: 07/19/05

Chloride ND 0.500 mg/kg

LCS (EG51904-BS1)

Prepared & Analyzed: 07/18/05

Chloride 11.1 mg/L 10.0 111 80-120

LCS (EG51904-BS2)

Prepared & Analyzed: 07/19/05

Chloride 10.5 mg/L 10.0 105 80-120

Calibration Check (EG51904-CCV1)

Prepared & Analyzed: 07/18/05

Chloride 10.9 mg/L 10.0 109 80-120

Calibration Check (EG51904-CCV2)

Prepared & Analyzed: 07/18/05

Chloride 10.9 mg/L 10.0 109 80-120

Duplicate (EG51904-DUP1)

Source: 5G14002-01

Prepared & Analyzed: 07/18/05

Chloride 139 5.00 mg/kg 138 0.722 20

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

Project: Vacuum Jct. F-30
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
07/19/05 10:44

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
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Batch EG51904 - Water Extraction

Duplicate (EG51904-DUP2)

Source: 5G15012-08

Prepared & Analyzed: 07/18/05

Chloride	81.3	5.00	mg/kg		97.5			18.1	20	
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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 6 of 7

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

Project: Vacuum Jct. F-30
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471
Reported:
07/19/05 10:44

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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If you have received this material in error, please notify us immediately at 432-563-1800.

**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:

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:

[illegible]

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Test: Rice Op.
 Date/Time: 7/14/05
 Order #: 5614005
 Initials: CK CK

Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	71.0	2
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Custody Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not present	
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not present	
Chain of custody present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Sample instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Chain of custody agrees with sample labels?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Container labels legible and intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Samples properly preserved?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
100 samples have zero headspace?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable	

Other observations:

Variance Documentation:

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

Corrective Action Taken:

HOBBS, NEW MEXICO 88240
PHONE: (505) 393-9174 FAX: (505) 397-1471
VOC FIELD TEST REPORT FORM

100 PPM
BALANCE
FILL DATE: 2-1-85
ACCURACY: $\pm 2\%$

COPY

[illegible]

Date 7-14-05