

1R - 425-19

REPORTS

DATE:

DEC 7, 2005

1R0425-~~20~~19

Final Report

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Vacuum	Southwestern "VC" EOL	L	36	17S	35E	Lea	Length	Width	Depth
							none--System abandonment		

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

Depth to Groundwater 52 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 8/11/2005 Date Completed 11/23/2005 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 8/11/2005 Sample Depth 12 ft

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

CHLORIDE FIELD TESTS

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
GRAB @ 12 ft BGS	0.3	<10.0	<10.0	79.2

LOCATION	DEPTH (ft)	ppm
vertical trench at junction box	1	4391
	2	1721
	3	193
	4	227
	5	257
	6	285
	7	294
	8	446
	9	367
	10	280
	11	357
	12	304

General Description of Remedial Action: This end-of-line (EOL) junction box
was abandoned with the Vacuum SWD System abandonment. After NORM decontamination,
the box lumber was removed and a delineation trench was made at the former junction site using
a backhoe. Chloride field tests and PID screenings were performed on soil samples collected from
the trench every vertical foot of depth to 12 ft BGS. Chloride concentrations exhibited a conclusive
trend of decline with depth and all PID levels were well below 100 ppm. Laboratory analysis on the
12-ft sample yielded TPH concentrations below detection limits (<10 mg/kg), meeting NMOCD
guidelines. The trench was backfilled with the excavated soil and leveled to the surrounding surface. The disturbed surface was seeded with a blend of
native vegetation and is expected to return to productive capacity at a normal rate.

enclosures: chloride graph, 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 12-7-2005 TITLE Project Scientist

Vacuum Southwestern VCEOL

Unit 'L', Sec. 36, T17S, R35E



undisturbed junction box

6/30/2005



delineation trench at former junction box site

8/11/2005



backfilling delineation trench

11/21/2005



seeding disturbed surface after backfill

11/23/2005

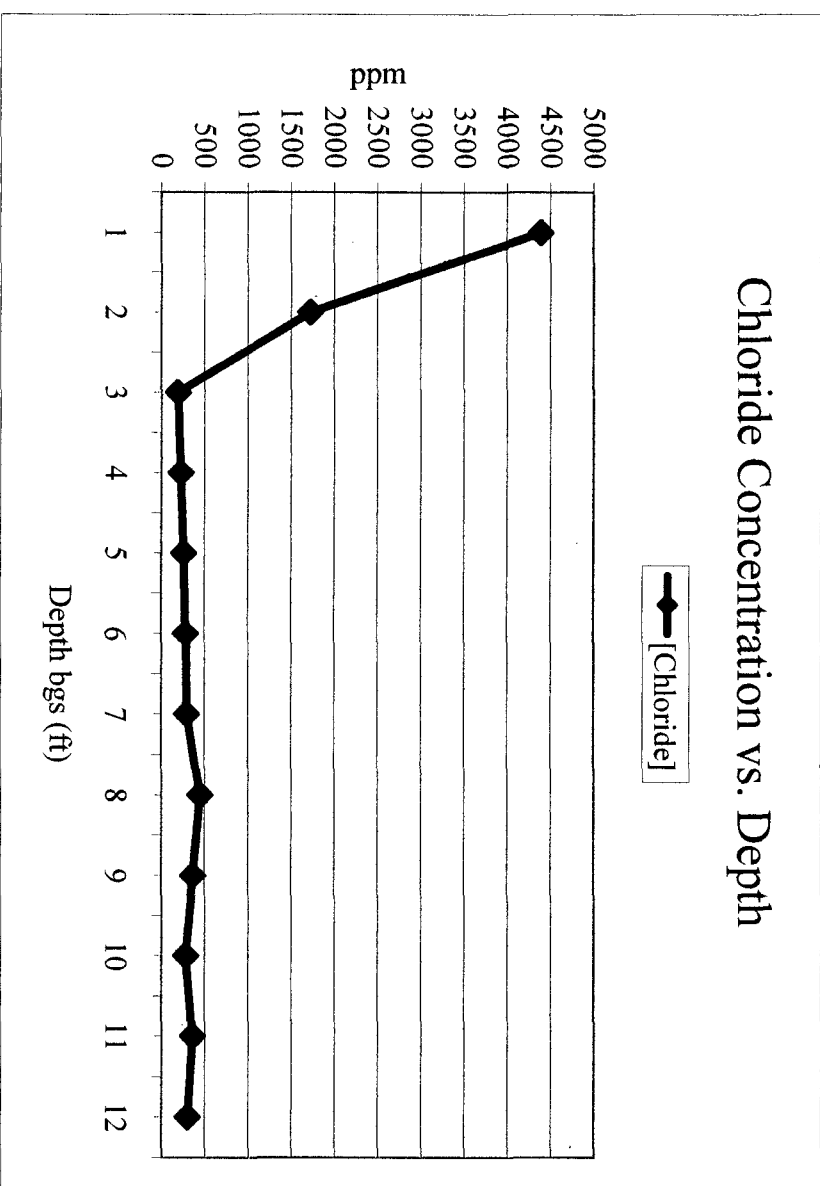
Vacuum Southwestern "VC" EOL

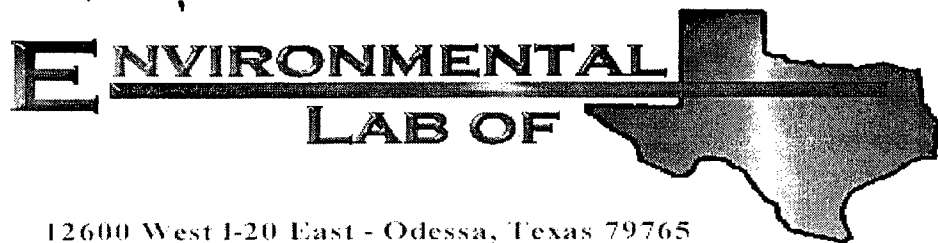
Unit 'L', Sec. 36, T17S, R35E

Vertical Delineation at Junction

Depth bgs (ft)	[Cl] ppm
1	4391
2	1721
3	193
4	227
5	257
6	285
7	294
8	446
9	367
10	280
11	357
12	304

Groundwater = 52 ft





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 Southwestern VC EOL

Project Number: None Given

Location: None Given

Lab Order Number: 5H15003

Report Date: 08/19/05

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

Project: Vacuum Southwestern VC EOL
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
08/19/05 09:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Grab Sample @ 12'	5H15003-01	Soil	08/11/05 14:45	08/12/05 17:45

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

Project: Vacuum Southwestern VC EOL
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
08/19/05 09:49

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom Grab Sample @ 12' (5H15003-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH51502	08/15/05	08/15/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		94.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		111 %	70-130		"	"	"	"	

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.

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

Project: Vacuum Southwestern VC EOL
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
08/19/05 09:49

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom Grab Sample @ 12' (5H15003-01) Soil									
Chloride	79.2	5.00	mg/kg	10	EH51905	08/19/05	08/19/05	EPA 300.0	
% Moisture	8.2	0.1	%	1	EH51504	08/15/05	08/15/05	% calculation	

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

Project: Vacuum Southwestern VC EOL
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
08/19/05 09:49

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 EH51502 - Solvent Extraction (GC)

Blank (EH51502-BLK1)

Prepared & Analyzed: 08/15/05

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	48.4		mg/kg	50.0		96.8	70-130			
Surrogate: 1-Chlorooctadecane	55.4		"	50.0		111	70-130			

LCS (EH51502-BS1)

Prepared & Analyzed: 08/15/05

Gasoline Range Organics C6-C12	420	10.0	mg/kg wet	500		84.0	75-125			
Diesel Range Organics >C12-C35	457	10.0	"	500		91.4	75-125			
Total Hydrocarbon C6-C35	877	10.0	"	1000		87.7	75-125			
Surrogate: 1-Chlorooctane	49.1		mg/kg	50.0		98.2	70-130			
Surrogate: 1-Chlorooctadecane	49.6		"	50.0		99.2	70-130			

Calibration Check (EH51502-CCV1)

Prepared & Analyzed: 08/15/05

Gasoline Range Organics C6-C12	453		mg/kg	500		90.6	80-120			
Diesel Range Organics >C12-C35	472		"	500		94.4	80-120			
Total Hydrocarbon C6-C35	925		"	1000		92.5	80-120			
Surrogate: 1-Chlorooctane	52.6		"	50.0		105	0-200			
Surrogate: 1-Chlorooctadecane	56.1		"	50.0		112	0-200			

Matrix Spike (EH51502-MS1)

Source: 5H15006-01

Prepared & Analyzed: 08/15/05

Gasoline Range Organics C6-C12	527	10.0	mg/kg dry	613	ND	86.0	75-125			
Diesel Range Organics >C12-C35	660	10.0	"	613	90.0	93.0	75-125			
Total Hydrocarbon C6-C35	1190	10.0	"	1230	90.0	89.4	75-125			
Surrogate: 1-Chlorooctane	51.3		mg/kg	50.0		103	70-130			
Surrogate: 1-Chlorooctadecane	52.0		"	50.0		104	70-130			

Matrix Spike Dup (EH51502-MSD1)

Source: 5H15006-01

Prepared & Analyzed: 08/15/05

Gasoline Range Organics C6-C12	511	10.0	mg/kg dry	613	ND	83.4	75-125	3.08	20	
Diesel Range Organics >C12-C35	627	10.0	"	613	90.0	87.6	75-125	5.13	20	
Total Hydrocarbon C6-C35	1140	10.0	"	1230	90.0	85.4	75-125	4.29	20	
Surrogate: 1-Chlorooctane	51.2		mg/kg	50.0		102	70-130			
Surrogate: 1-Chlorooctadecane	57.6		"	50.0		115	70-130			

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

Project: Vacuum Southwestern VC EOL
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
08/19/05 09:49

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 EH51504 - General Preparation (Prep)

Blank (EH51504-BLK1)				Prepared & Analyzed: 08/15/05						
% Solids	100		%							
Duplicate (EH51504-DUP1)				Source: 5H12003-01		Prepared & Analyzed: 08/15/05				
% Solids	70.6		%		72.0			1.96	20	
Duplicate (EH51504-DUP2)				Source: 5H15007-01		Prepared & Analyzed: 08/15/05				
% Solids	96.8		%		96.9			0.103	20	

Batch EH51905 - Water Extraction

Blank (EH51905-BLK1)				Prepared & Analyzed: 08/19/05						
Chloride	ND	0.500	mg/kg							
LCS (EH51905-BS1)				Prepared & Analyzed: 08/19/05						
Chloride	8.49		mg/L	10.0		84.9	80-120			
Calibration Check (EH51905-CCV1)				Prepared & Analyzed: 08/19/05						
Chloride	8.88		mg/L	10.0		88.8	80-120			
Duplicate (EH51905-DUP1)				Source: 5H15002-01		Prepared & Analyzed: 08/19/05				
Chloride	203	5.00	mg/kg		194			4.53	20	

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

Project: Vacuum Southwestern VC EOL
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
08/19/05 09:49

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: 8-19-05

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

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12600 West I-20 East
Odessa, Texas 79763

Project Name: Vergeth Southwestern Vc Eol

Company Name Rice Operating Company

City/State/Zip: Hobbs, NM 88240

Telephone No: 505-393-9174

Fax No: 505-397-1471

Sampler Signature:

Special Instructions:

Relinquished by:

Relinquished by:

Received by:

Received by EL0T:

Date	Time
------	------

Date	Time
------	------

Date Date

Time

Time

Sample Containers Intact?

Temperature Upon Receipt:

Laboratory Comments: 0.5°C

4oz glass on ice w/ labels + seats
Seal on cooler

Seal on cooter

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Rice Op.

Date/Time: 8/12/05 17:45

Order #: SH15003

Initials: CR

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	0.5	C
Shipping container/cooler in good condition?	<u>Yes</u>	No		
Custody Seals intact on shipping container/cooler?	<u>Yes</u>	No	Not present	
Custody Seals intact on sample bottles?	<u>Yes</u>	No	Not present	
Chain of custody present?	<u>Yes</u>	No		
Sample Instructions complete on Chain of Custody?	<u>Yes</u>	No		
Chain of Custody signed when relinquished and received?	<u>Yes</u>	No		
Chain of custody agrees with sample label(s)	<u>Yes</u>	No		
Container labels legible and intact?	<u>Yes</u>	No		
Sample Matrix and properties same as on chain of custody?	<u>Yes</u>	No		
Samples in proper container/bottle?	<u>Yes</u>	No		
Samples properly preserved?	<u>Yes</u>	No		
Sample bottles intact?	<u>Yes</u>	No		
Preservations documented on Chain of Custody?	<u>Yes</u>	No	-	-
Containers documented on Chain of Custody?	<u>Yes</u>	No		
Sufficient sample amount for indicated test?	<u>Yes</u>	No		
All samples received within sufficient hold time?	<u>Yes</u>	No		
VOC samples have zero headspace?	<u>Yes</u>	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

SERIAL NO: 104412

100 PPM

BALANCE

LOT NO: 04-2747

EXP. DATE: 8-1-06

METER READING

ACCURACY: 10%

FILL DATE: 2-1-05

ACCURACY: ± 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
<u>Valuum</u>	<u>Southwestern</u> <u>VC EOL</u>	<u>L</u>	<u>36</u>	<u>17S</u>	<u>35E</u>

SAMPLE	PID RESULT	SAMPLE	PID RESULT
<u>@ Service 1'</u>	<u>41.4</u>	<u>Grab Bottom Sample @ 12'</u>	<u>0.3</u>
<u>2'</u>	<u>43.0</u>		
<u>3'</u>	<u>48.0</u>		
<u>4'</u>	<u>36.1</u>		
<u>5'</u>	<u>27.2</u>		
<u>6'</u>	<u>20.6</u>		
<u>7'</u>	<u>11.0</u>		
<u>8'</u>	<u>0.9</u>		
<u>9'</u>	<u>0.1</u>		
<u>10'</u>	<u>0.7</u>		
<u>11'</u>	<u>0.3</u>		
<u>12'</u>	<u>0.1</u>		

← lab sample

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

Signature



Date

8-11-05