1R - 425-44

REPORTS

DATE:

3-31-08

Vacuum Jct E-25

IR425-45

44

CLOSURE

3-31-08

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	NEW BOX DIMENSIONS - FEET		
							Length	Width	Depth
Vacuum	jct. E-25	E	25	17S	35E	Lea	no box; SWD System Abandonment		

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

Depth to Groundwater 60 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 6/30/2005 Date Completed 4/25/2006 NMOCD Witness no

Soil Excavated 133 cubic yards Excavation Length 20 Width 15 Depth 12 feet

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

FINAL ANALYTICAL RESULTS:

Sample Date 12/14/2005 **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 laboratory and testing procedures pursuant to NMOCD guidelines.

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.		<10.0	<10.0	429
BOTTOM COMP.		<10.0	<10.0	368
BACKFILL		<10.0	<10.0	427

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
below former junction site	6	1881
	7	997
	8	532
	9	303
	10	262
	11	271
	12	184
5 ft NORTH of former junction site	5	2969
	6	2078
	7	671
	8	917
	9	992
	10	418
	11	539
	12	209
4-wall comp.	n/a	425
bottom comp.	12	304
backfill comp.	n/a	427

General Description of Remedial Action:

This junction box site was addressed as part of the abandonment of the Vacuum SWD System. After the box lumber was removed, a trackhoe was used to collect soil samples at regular intervals to produce a 20 x 15 x 12-ft excavation. Chloride field tests were conducted on each sample and concentrations exhibited a trend of decline with depth. Soil samples were also screened for organic vapors using a PID and yielded very low concentrations. Composite samples from the excavation floor and walls were collected for laboratory analysis which did not detect hydrocarbon concentrations, meeting NMOCD guidelines. The excavated soil was blended on site and returned to the hole and contoured to the surrounding surface. On 9/22/2006, the disturbed surface was seeded with a blend of native vegetation and is expected to return to productive capacity at a normal rate.

enclosures: photos, lab results, chloride graph

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SITE SUPERVISOR Roy Rascon SIGNATURE Roy R. Rascon COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 12/18/2007 TITLE Project Scientist

Vacuum jct. E-25

undisturbed junction box 6/30/2005

box removed; delineation and excavation 8/4/2005

backfilling 20 x 15 x 12-ft excavation 4/25/2006

seeding disturbed area of backfilled site 9/21/2006

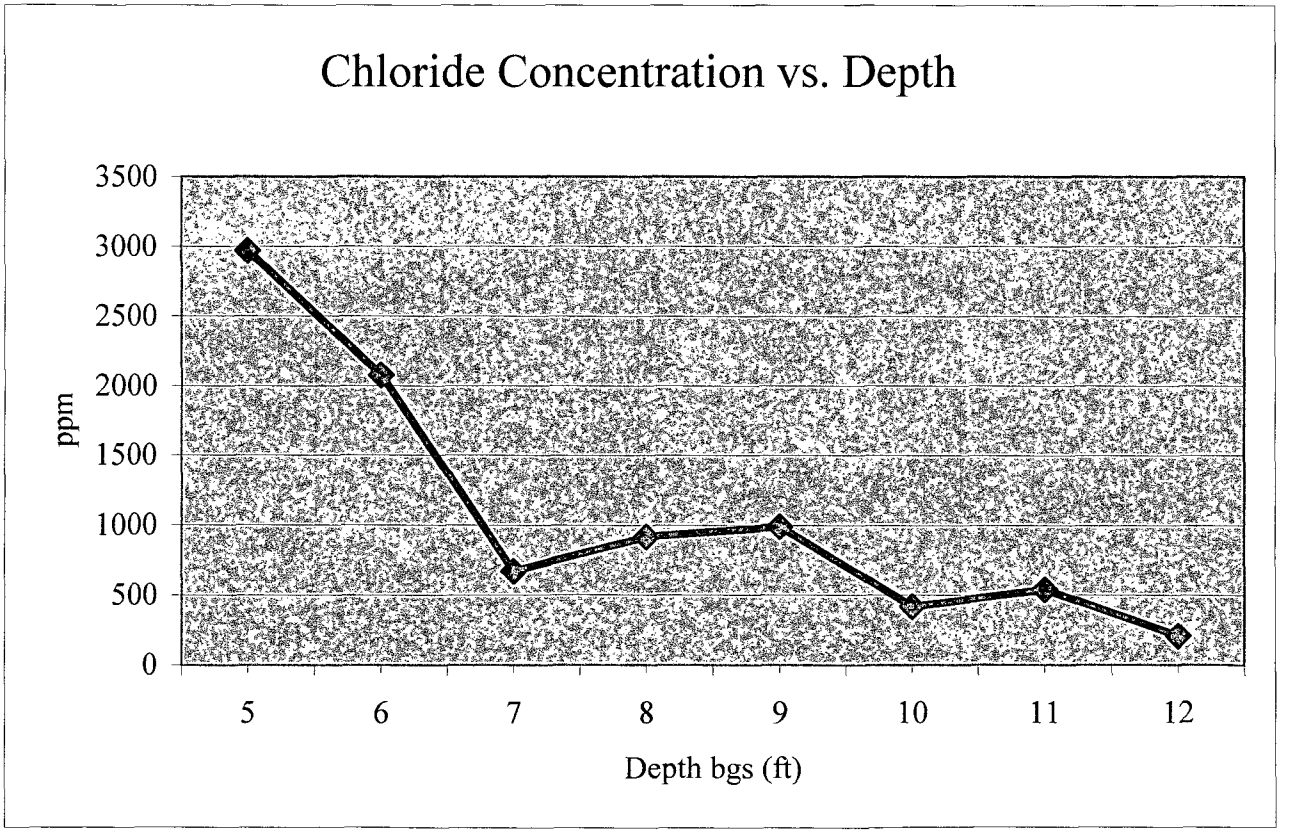
Vacuum jct. E-25

unit 'E', Sec. 25, T17S, R35E

Backhoe samples 5 ft NORTH of junction

Depth bgs (ft)	[Cl-] ppm
5	2969
6	2078
7	671
8	917
9	992
10	418
11	539
12	209

Groundwater = 60 ft



ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

FINAL

20 x 15 x 12'

Analytical Report

Prepared for:

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

Project: Vacuum E-25
Project Number: None Given
Location: None Given

Lab Order Number: 5L15005

Report Date: 12/21/05

Rice Operating Co.	Project: Vacuum E-25	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	12/21/05 08:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Vac. Jct. E-25 Backfill	5L15005-01	Soil	12/14/05 00:00	12/15/05 08:00
Vac. Jct. E-25 Bottom	5L15005-02	Soil	12/14/05 00:00	12/15/05 08:00
Vac. Jct. E-25 4 Wall	5L15005-03	Soil	12/14/05 00:00	12/15/05 08:00

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Rice Operating Co.	Project: Vacuum E-25	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	12/21/05 08:48

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vac. Jct. E-25 Backfill (5L15005-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EL51506	12/15/05	12/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*78.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.8 %*	*70-130*		"	"	"	"	
Vac. Jct. E-25 Bottom (5L15005-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EL51506	12/15/05	12/16/05	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		*71.6 %*	*70-130*		"	"	"	"	
Vac. Jct. E-25 4 Wall (5L15005-03) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EL51508	12/15/05	12/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*85.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*74.8 %*	*70-130*		"	"	"	"	

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Rice Operating Co.	Project: Vacuum E-25	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	12/21/05 08:48

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vac. Jct. E-25 Backfill (5L15005-01) Soil									
Chloride	**427**	10.0	mg/kg	20	EL52102	12/20/05	12/21/05	EPA 300.0	
% Moisture	**6.5**	0.1	%	1	EL51609	12/15/05	12/16/05	% calculation	
Vac. Jct. E-25 Bottom (5L15005-02) Soil									
Chloride	**368**	10.0	mg/kg	20	EL52102	12/20/05	12/21/05	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	EL51609	12/15/05	12/16/05	% calculation	
Vac. Jct. E-25 4 Wall (5L15005-03) Soil									
Chloride	**429**	10.0	mg/kg	20	EL52102	12/20/05	12/21/05	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	EL51609	12/15/05	12/16/05	% 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 EL51506 - Solvent Extraction (GC)										
Blank (EL51506-BLK1)				Prepared & Analyzed: 12/15/05						
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	*56.7*		*mg/kg*	*50.0*		*113*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.3*		"	*50.0*		*92.6*	*70-130*			
LCS (EL51506-BS1)				Prepared & Analyzed: 12/15/05						
Gasoline Range Organics C6-C12	378	10.0	mg/kg wet	500		75.6	75-125			
Diesel Range Organics >C12-C35	468	10.0	"	500		93.6	75-125			
Total Hydrocarbon C6-C35	846	10.0	"	1000		84.6	75-125			
Surrogate: 1-Chlorooctane	*52.5*		*mg/kg*	*50.0*		*105*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.8*		"	*50.0*		*81.6*	*70-130*			
Calibration Check (EL51506-CCV1)				Prepared: 12/15/05 Analyzed: 12/16/05						
Gasoline Range Organics C6-C12	412		mg/kg	500		82.4	80-120			
Diesel Range Organics >C12-C35	504		"	500		101	80-120			
Total Hydrocarbon C6-C35	916		"	1000		91.6	80-120			
Surrogate: 1-Chlorooctane	*52.1*		"	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.5*		"	*50.0*		*85.0*	*70-130*			
Matrix Spike (EL51506-MS1)	**Source: 5L15003-01**			Prepared & Analyzed: 12/15/05						
Gasoline Range Organics C6-C12	496	10.0	mg/kg dry	528	ND	93.9	75-125			
Diesel Range Organics >C12-C35	441	10.0	"	528	ND	83.5	75-125			
Total Hydrocarbon C6-C35	937	10.0	"	1060	ND	88.4	75-125			
Surrogate: 1-Chlorooctane	*50.6*		*mg/kg*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.1*		"	*50.0*		*72.2*	*70-130*			
Matrix Spike Dup (EL51506-MSD1)	**Source: 5L15003-01**			Prepared & Analyzed: 12/15/05						
Gasoline Range Organics C6-C12	502	10.0	mg/kg dry	528	ND	95.1	75-125	1.20	20	
Diesel Range Organics >C12-C35	441	10.0	"	528	ND	83.5	75-125	0.00	20	
Total Hydrocarbon C6-C35	943	10.0	"	1060	ND	89.0	75-125	0.638	20	
Surrogate: 1-Chlorooctane	*51.0*		*mg/kg*	*50.0*		*102*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.9*		"	*50.0*		*71.8*	*70-130*			

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 EL51508 - Solvent Extraction (GC)										
Blank (EL51508-BLK1)				Prepared: 12/15/05 Analyzed: 12/18/05						
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	*56.1*		*mg/kg*	*50.0*		*112*	*70-130*			
Surrogate: 1-Chlorooctadecane	*60.0*		*"*	*50.0*		*120*	*70-130*			
LCS (EL51508-BS1)				Prepared: 12/15/05 Analyzed: 12/18/05						
Gasoline Range Organics C6-C12	450	10.0	mg/kg wet	500		90.0	75-125			
Diesel Range Organics >C12-C35	461	10.0	"	500		92.2	75-125			
Total Hydrocarbon C6-C35	911	10.0	"	1000		91.1	75-125			
Surrogate: 1-Chlorooctane	*56.0*		*mg/kg*	*50.0*		*112*	*70-130*			
Surrogate: 1-Chlorooctadecane	*57.6*		*"*	*50.0*		*115*	*70-130*			
Calibration Check (EL51508-CCV1)				Prepared: 12/15/05 Analyzed: 12/19/05						
Gasoline Range Organics C6-C12	435		mg/kg	500		87.0	80-120			
Diesel Range Organics >C12-C35	476		"	500		95.2	80-120			
Total Hydrocarbon C6-C35	911		"	1000		91.1	80-120			
Surrogate: 1-Chlorooctane	*57.7*		*"*	*50.0*		*115*	*70-130*			
Surrogate: 1-Chlorooctadecane	*62.4*		*"*	*50.0*		*125*	*70-130*			
Matrix Spike (EL51508-MS1)	**Source: 5L15006-01**			Prepared: 12/15/05 Analyzed: 12/18/05						
Gasoline Range Organics C6-C12	496	10.0	mg/kg dry	529	ND	93.8	75-125			
Diesel Range Organics >C12-C35	410	10.0	"	529	ND	77.5	75-125			
Total Hydrocarbon C6-C35	906	10.0	"	1060	ND	85.5	75-125			
Surrogate: 1-Chlorooctane	*53.8*		*mg/kg*	*50.0*		*108*	*70-130*			
Surrogate: 1-Chlorooctadecane	*45.5*		*"*	*50.0*		*91.0*	*70-130*			
Matrix Spike Dup (EL51508-MSD1)	**Source: 5L15006-01**			Prepared: 12/15/05 Analyzed: 12/18/05						
Gasoline Range Organics C6-C12	484	10.0	mg/kg dry	529	ND	91.5	75-125	2.45	20	
Diesel Range Organics >C12-C35	400	10.0	"	529	ND	75.6	75-125	2.47	20	
Total Hydrocarbon C6-C35	884	10.0	"	1060	ND	83.4	75-125	2.46	20	
Surrogate: 1-Chlorooctane	*52.2*		*mg/kg*	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*43.6*		*"*	*50.0*		*87.2*	*70-130*			

Rice Operating Co.	Project: Vacuum E-25	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	12/21/05 08:48

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 EL51609 - General Preparation (Prep)										
Blank (EL51609-BLK1)				Prepared: 12/15/05 Analyzed: 12/16/05						
% Solids	100		%							
Duplicate (EL51609-DUP1)		**Source: 5L14008-01**		Prepared: 12/15/05 Analyzed: 12/16/05						
% Solids	94.3		%		95.6			1.37	20	
Duplicate (EL51609-DUP2)		**Source: 5L15001-09**		Prepared: 12/15/05 Analyzed: 12/16/05						
% Solids	90.7		%		91.0			0.330	20	
Duplicate (EL51609-DUP3)		**Source: 5L15014-01**		Prepared: 12/15/05 Analyzed: 12/16/05						
% Solids	98.0		%		98.5			0.509	20	
Batch EL52102 - Water Extraction										
Blank (EL52102-BLK1)				Prepared: 12/20/05 Analyzed: 12/21/05						
Chloride	ND	0.500	mg/kg							
LCS (EL52102-BS1)				Prepared: 12/20/05 Analyzed: 12/21/05						
Chloride	8.33		mg/L	10.0		83.3	80-120			
Calibration Check (EL52102-CCV1)				Prepared: 12/20/05 Analyzed: 12/21/05						
Chloride	8.46		mg/L	10.0		84.6	80-120			
Duplicate (EL52102-DUP1)		**Source: 5L15002-01**		Prepared: 12/20/05 Analyzed: 12/21/05						
Chloride	94.9	5.00	mg/kg		92.0			3.10	20	

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Rice Operating Co.	Project: Vacuum E-25	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	12/21/05 08:48

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: Raland K Tuttle Date: 12-23-05

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
Company Address: 122 W taylor
City/State/Zip: Hobbs NM 88240
Telephone No: 393 9174
Fax No:
Sampler Signature: [signature]

Project Name: Vac E-25
Project #:
Project Loc:
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Water	Sludge	Soil	Other (specify)	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)
SL15005 -01	Vac Jct E-25 Backfill	12/14/05		1	X									X		X			X											
-02	Vac Jct E-25 bottom			1	X									X		X			X											
-03	Vac Jct E 25 4 wall			1	X									X		X			X											

Analyze For: TCLP: / TOTAL:

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12-14-05	5:00pm	[signature]	12/14	1800
Relinquished by: [signature]	12/15	8:00	Received by ELOT: [signature]	12/15/05	8:00

Sample Containers Intact? (Y) N
Temperature Upon Receipt:
Laboratory Comments: 1.5
Ace
Cells/label

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

Client: Rice Op.

Date/Time: 12/15/05 8:00

Order #: 5L15005

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: