1R - 425-2

REPORTS

DATE:

MARCH 8, 2005

Vacuum BO EOL

IR04-25-02

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	B.O. EOL	G	12	18S	34E	Lea	no box--eliminated		

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

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

Date Started 10/12/2004 Date Completed 11/10/2004 NMOCD Witness no

Soil Excavated 12 cubic yards Excavation Length 9 Width 3 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: **Sample Date** 10/13/2004 **Sample Depth** 12 ft

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	17.3	170

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
vertical at junction box	4	419
	5	389
	6	389
	7	419
	8	329
	9	329
	10	299
	11	269
	12	299

General Description of Remedial Action: This junction was eliminated and the Vacuum SWD system is to be abandoned in 2005. The box lumber was removed and a delineation trench was made with a backhoe directly under the junction site. Chloride field tests and PID screenings were performed on samples collected every vertical foot at 4-12 ft BGS. Chloride field test concentrations were low and exhibited a general trend of decline with depth, indicative of non-saturated historical vadose conditions. PID levels were also low and concentrations were 0.0 ppm at every foot at 6-12 ft BGS. Soil observed in the delineation trench was a light tan sand and did not exhibit any signs of contamination. The trench was backfilled with the excavated soil and contoured to the surrounding surface. The disturbed surface 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 Rob Elam SIGNATURE not available COMPANY Curt's Environmental--Odessa, TX

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 3/8/2005 TITLE Project Scientist

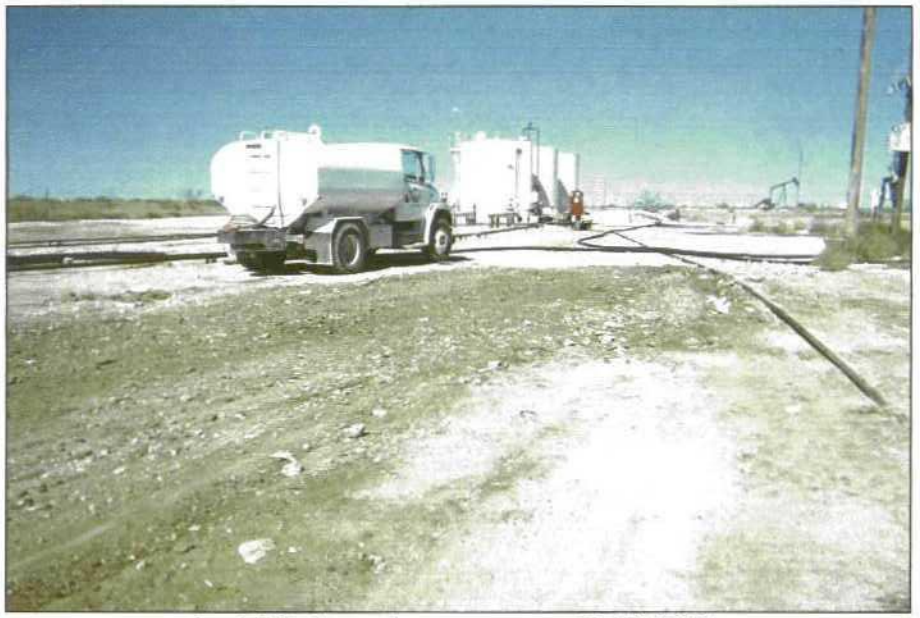
Vacuum B.O. EOL

Unit 'G', Sec. 12, T18S, R34E

undisturbed junction box 4/23/2002

junction box removed; old plumbing 4/25/2002

backfilling delineation trench 11/10/2004



backfilled trench 11/10/2004

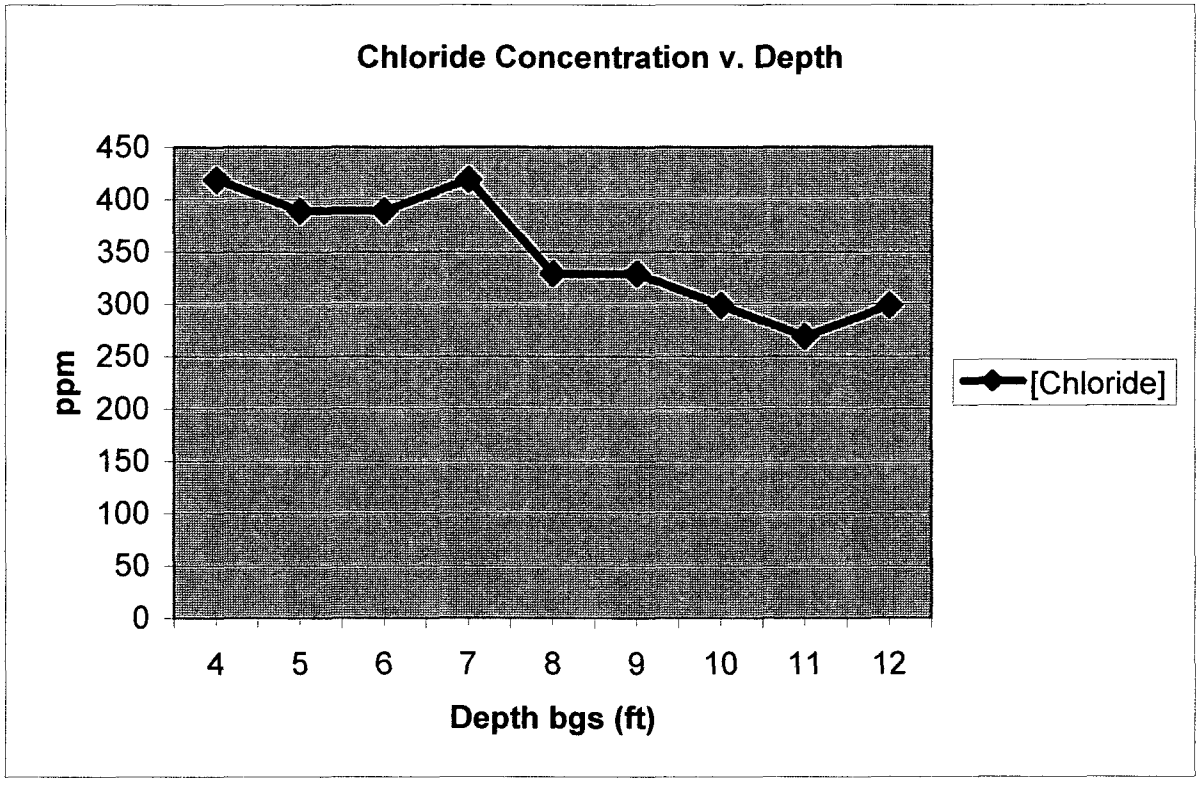
Vacuum B.O. EOL

unit 'G', sec. 12, T18S, R34E

Vertical Delineation at Source

Depth bgs (ft)	[Cl⁻] ppm
4	419
5	389
6	389
7	419
8	329
9	329
10	299
11	269
12	299

Groundwater = 115 ft



ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: VAC. Exxon B.O. EOL
Project Number: None Given
Location: Vacuum

Lab Order Number: 4J15007

Report Date: 10/19/04

Rice Operating Co.	Project: Exxon B.O. EOL	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	10/19/04 07:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
12' Bottom (Grab)	4J15007-01	Soil	10/13/04 08:30	10/14/04 18:45

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Rice Operating Co.	Project: Exxon B.O. EOL	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	10/19/04 07:49

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
12' Bottom (Grab) (4J15007-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ41501	10/15/04	10/16/04	EPA 8015M	
Diesel Range Organics >C12-C35	**17.3**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**17.3**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*95.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*108 %*	*70-130*		"	"	"	"	

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Rice Operating Co.	Project: Exxon B.O. EOL	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	10/19/04 07:49

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
12' Bottom (Grab) (4J15007-01) Soil									
Chloride	**170**	20.0	mg/kg Wet	2	EJ41819	10/15/04	10/18/04	SW 846 9253	
% Moisture	**11.0**		%	1	EJ41811	10/15/04	10/18/04	% 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 EJ41501 - Solvent Extraction (GC)										
Blank (EJ41501-BLK1)				Prepared: 10/15/04 Analyzed: 10/16/04						
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	*35.9*		*mg/kg*	*50.0*		*71.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*39.0*		*"*	*50.0*		*78.0*	*70-130*			
LCS (EJ41501-BS1)				Prepared: 10/15/04 Analyzed: 10/16/04						
Gasoline Range Organics C6-C12	444	10.0	mg/kg wet	500		88.8	75-125			
Diesel Range Organics >C12-C35	460	10.0	"	500		92.0	75-125			
Total Hydrocarbon C6-C35	904	10.0	"	1000		90.4	75-125			
Surrogate: 1-Chlorooctane	*45.6*		*mg/kg*	*50.0*		*91.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.5*		*"*	*50.0*		*81.0*	*70-130*			
Calibration Check (EJ41501-CCV1)				Prepared: 10/15/04 Analyzed: 10/16/04						
Gasoline Range Organics C6-C12	442		mg/kg	500		88.4	80-120			
Diesel Range Organics >C12-C35	483		"	500		96.6	80-120			
Total Hydrocarbon C6-C35	925		"	1000		92.5	80-120			
Surrogate: 1-Chlorooctane	*50.3*		*"*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*56.5*		*"*	*50.0*		*113*	*70-130*			
Matrix Spike (EJ41501-MS1)	**Source: 4J14026-05**			Prepared: 10/15/04 Analyzed: 10/16/04						
Gasoline Range Organics C6-C12	573	10.0	mg/kg dry	549	ND	104	75-125			
Diesel Range Organics >C12-C35	633	10.0	"	549	ND	115	75-125			
Total Hydrocarbon C6-C35	1210	10.0	"	1100	ND	110	75-125			
Surrogate: 1-Chlorooctane	*55.4*		*mg/kg*	*50.0*		*111*	*70-130*			
Surrogate: 1-Chlorooctadecane	*58.1*		*"*	*50.0*		*116*	*70-130*			
Matrix Spike Dup (EJ41501-MSD1)	**Source: 4J14026-05**			Prepared: 10/15/04 Analyzed: 10/16/04						
Gasoline Range Organics C6-C12	591	10.0	mg/kg dry	549	ND	108	75-125	3.09	20	
Diesel Range Organics >C12-C35	623	10.0	"	549	ND	113	75-125	1.59	20	
Total Hydrocarbon C6-C35	1210	10.0	"	1100	ND	110	75-125	0.00	20	
Surrogate: 1-Chlorooctane	*59.3*		*mg/kg*	*50.0*		*119*	*70-130*			
Surrogate: 1-Chlorooctadecane	*60.1*		*"*	*50.0*		*120*	*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 EJ41811 - % Solids										
Blank (EJ41811-BLK1)				Prepared: 10/15/04 Analyzed: 10/18/04						
% Moisture	0.0		%							
Duplicate (EJ41811-DUP1)		**Source: 4J14025-01**		Prepared: 10/15/04 Analyzed: 10/18/04						
% Moisture	9.0		%		9.0			0.00	20	
Batch EJ41819 - Water Extraction										
Blank (EJ41819-BLK1)				Prepared & Analyzed: 10/18/04						
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EJ41819-MS1)		**Source: 4J14026-07**		Prepared: 10/14/04 Analyzed: 10/18/04						
Chloride	478	20.0	mg/kg Wet	500	0.00	95.6	80-120			
Matrix Spike Dup (EJ41819-MSD1)		**Source: 4J14026-07**		Prepared: 10/14/04 Analyzed: 10/18/04						
Chloride	478	20.0	mg/kg Wet	500	0.00	95.6	80-120	0.00	20	
Reference (EJ41819-SRM1)				Prepared & Analyzed: 10/18/04						
Chloride	5000		mg/kg	5000		100	80-120			

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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: 10-19-04

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Biezugbe, 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

Company Address: 122 W. Taylor

City/State/Zip: Hobbs, NM 88240

Telephone No: (505) 393-9174

Fax No: (505) 397-1471

Sampler Signature: [signature]

Project Name: Exxon B.O. EOL

Project #:

Project Loc: Vacuum

PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers (4oz glass)	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	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)	Standard TAT
4J15007 -01	12' Bottom (Grab)	10-13-04	8:30	1	✓									✓		✓			✓						

Special Instructions: Fax Results To ROC.

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	10-13-04	4:45 p			
Relinquished by: [signature]	10/14-04	6:45 p	Received by ELOT: [signature]	10-14-04	1845

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments:
Ice 0°C

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

Client: Rice Operating

Date/Time: 10-15-04 @ 1125

Order #: 4TI5007

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	0.0 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:

_____

_____

_____

_____

_____

_____

_____

_____

RICE OPERATING COMPANY

122 WEST TAYLOR
HOBBS, NEW MEXICO 88240
PHONE: (505) 393-9174 FAX: (505) 397-1471

COPY

VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S
SERIAL NO: ~~104412~~ 104550
CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE
100 PPM
AIR
BALANCE
LOT NO: 03-2475
FILL DATE: 4-19-04
EXP. DATE: 10-19-04
ACCURACY: ± 2%
METER READING
ACCURACY: 100.°

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
VAC	B.O. Exxon ECL	G	12	18	34

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Source 4'	3.3		
5'	1.4		
6'	0		
7'	0		
8'	0		
9'	0		
10'	0		
11'	0		
~~12'~~	~~0~~		

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

Rob Elam
Signature

Title

10-12-04
Date