1R - 425-8

REPORTS

DATE:

DEC 13, 2005

Vac. Jct J-26-2

IR0425-08

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	jct. J-26-2	J	26	17S	35E	Lea	no box--System abandonment		

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

Depth to Groundwater 55 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 8/4/2005 Date Completed 11/23/2005 NMOCD Witness no

Soil Excavated 6 cubic yards Excavation Length 8 Width 3 Depth 7 feet

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

FINAL ANALYTICAL RESULTS:

Sample Date 8/8/2005 **Sample Depth** 7 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 ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
GRAB @ 7 ft BGS	0.1	<10.0	<10.0	79.1

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
vertical delineation trench at junction	1	464
	2	152
	3	285
	4	142
	5	146
	6	144
	7	117

General Description of Remedial Action:

This junction box was addressed as part of the Vacuum SWD System abandonment. After the box was removed, a delineation trench was made at the former junction site using a backhoe while soil samples were collected every ft of depth from 1 to 7 ft BGS. Chloride field tests yielded low concentrations and exhibited a conclusive trend of decline with depth. The soil samples did not exhibit any physical indications of hydrocarbon or chloride impact and PID screenings were also very low. A grab sample from 7 ft BGS was analyzed at a laboratory for confirmation of field tests. TPH concentrations were not present within the lab's detection limits (<10.0 ppm), meeting NMOCD guidelines. The excavated soil was blended on site and then backfilled into the trench and contoured 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. Since the Vacuum SWD System is no longer active, a new junction box is not required.

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 12/13/2005 TITLE Project Scientist

Vacuum jct. J-26-2

undisturbed junction box 7/1/2005

delineation trench at former junction site 8/4/2005

backfilling trench 11/21/2005

seeding backfilled site 11/23/2005

Vacuum jct. J-26-2

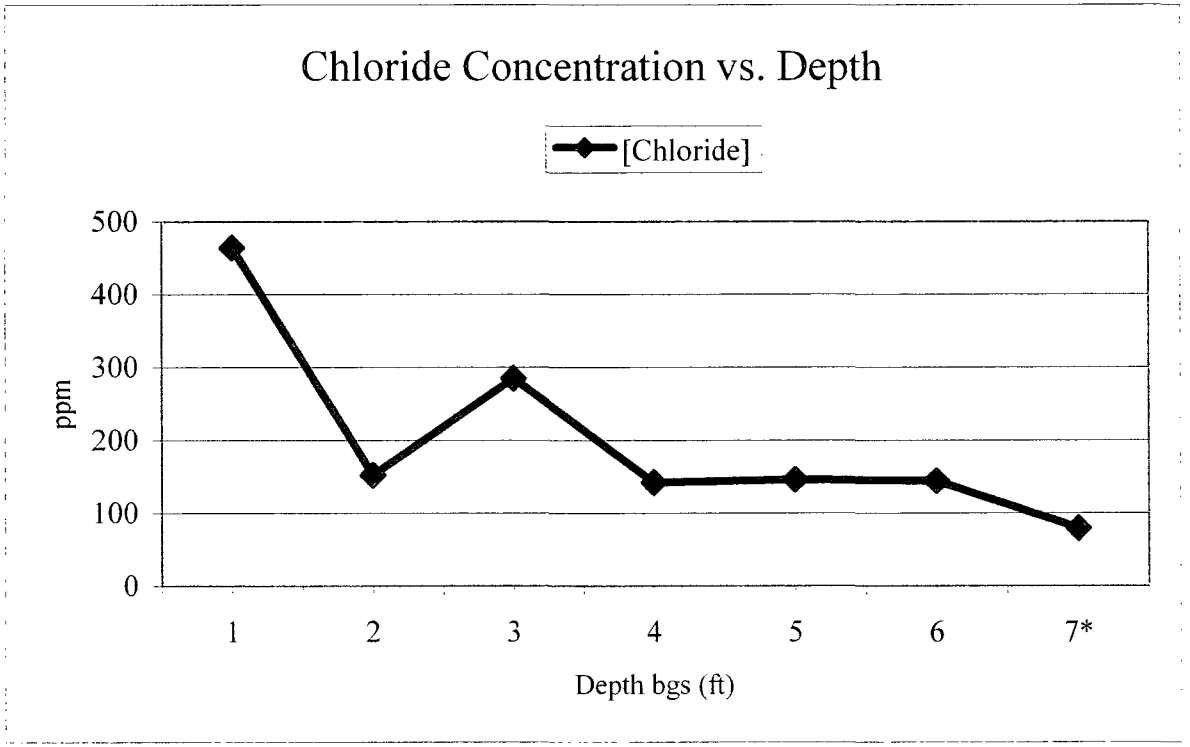
T17S, R35E

Vertical Delineation at Junction

Depth bgs (ft)	[Cl⁻] ppm
1	464
2	152
3	285
4	142
5	146
6	144
7*	79.1

Groundwater = 55 ft

*Laboratory analysis



ENVIRONMENTAL LAB OF

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 Jct. J-26-2

Project Number: None Given

Location: None Given

Lab Order Number: 5H09009

Report Date: 08/17/05

Rice Operating Co.	Project: Vacuum Jct. J-26-2	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	08/17/05 15:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Grab Sample@ 7'	5H09009-01	Soil	08/08/05 14:35	08/09/05 15:12

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom Grab Sample@ 7' (5H09009-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH51018	08/10/05	08/10/05	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		*97.6 %*	*70-130*		"	"	"	"	

Rice Operating Co.	Project: Vacuum Jct. J-26-2	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	08/17/05 15:33

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@ 7' (5H09009-01) Soil									
Chloride	**79.1**	5.00	mg/kg	10	EH51714	08/16/05	08/16/05	EPA 300.0	
% Moisture	**5.7**	0.1	%	1	EH51102	08/10/05	08/11/05	% 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 EH51018 - Solvent Extraction (GC)										
Blank (EH51018-BLK1)				Prepared & Analyzed: 08/10/05						
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	*42.5*		*mg/kg*	*50.0*		*85.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*47.5*		*"*	*50.0*		*95.0*	*70-130*			
LCS (EH51018-BS1)				Prepared & Analyzed: 08/10/05						
Gasoline Range Organics C6-C12	445	10.0	mg/kg wet	500		89.0	75-125			
Diesel Range Organics >C12-C35	458	10.0	"	500		91.6	75-125			
Total Hydrocarbon C6-C35	903	10.0	"	1000		90.3	75-125			
Surrogate: 1-Chlorooctane	*45.7*		*mg/kg*	*50.0*		*91.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.0*		*"*	*50.0*		*108*	*70-130*			
Calibration Check (EH51018-CCV1)				Prepared: 08/10/05 Analyzed: 08/11/05						
Gasoline Range Organics C6-C12	427		mg/kg	500		85.4	80-120			
Diesel Range Organics >C12-C35	447		"	500		89.4	80-120			
Total Hydrocarbon C6-C35	874		"	1000		87.4	80-120			
Surrogate: 1-Chlorooctane	*48.3*		*"*	*50.0*		*96.6*	*0-200*			
Surrogate: 1-Chlorooctadecane	*55.5*		*"*	*50.0*		*111*	*0-200*			
Matrix Spike (EH51018-MS1)	**Source: 5H09008-01**			Prepared & Analyzed: 08/10/05						
Gasoline Range Organics C6-C12	450	10.0	mg/kg dry	518	ND	86.9	75-125			
Diesel Range Organics >C12-C35	452	10.0	"	518	ND	87.3	75-125			
Total Hydrocarbon C6-C35	902	10.0	"	1040	ND	86.7	75-125			
Surrogate: 1-Chlorooctane	*46.0*		*mg/kg*	*50.0*		*92.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.4*		*"*	*50.0*		*109*	*70-130*			
Matrix Spike Dup (EH51018-MSD1)	**Source: 5H09008-01**			Prepared & Analyzed: 08/10/05						
Gasoline Range Organics C6-C12	464	10.0	mg/kg dry	518	ND	89.6	75-125	3.06	20	
Diesel Range Organics >C12-C35	469	10.0	"	518	ND	90.5	75-125	3.69	20	
Total Hydrocarbon C6-C35	933	10.0	"	1040	ND	89.7	75-125	3.38	20	
Surrogate: 1-Chlorooctane	*47.1*		*mg/kg*	*50.0*		*94.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*56.5*		*"*	*50.0*		*113*	*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 EH51102 - General Preparation (Prep)										
Blank (EH51102-BLK1)				Prepared & Analyzed: 08/11/05						
% Solids	100		%							
Duplicate (EH51102-DUP1)		**Source: 5H09008-01**		Prepared & Analyzed: 08/11/05						
% Solids	95.5		%		96.5			1.04	20	
Batch EH51714 - Water Extraction										
Blank (EH51714-BLK1)				Prepared & Analyzed: 08/16/05						
Chloride	ND	0.500	mg/kg							
LCS (EH51714-BS1)				Prepared & Analyzed: 08/16/05						
Chloride	11.6		mg/L	10.0		116	80-120			
Calibration Check (EH51714-CCV1)				Prepared & Analyzed: 08/16/05						
Chloride	10.3		mg/L	10.0		103	80-120			
Duplicate (EH51714-DUP1)		**Source: 5H09002-01**		Prepared & Analyzed: 08/16/05						
Chloride	5040	50.0	mg/kg		5060			0.396	20	

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: 8-17-05

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 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 Name: VACuum Jct J-26-2
Project #:
Project Loc: ~~VACuum Jct J-26-2~~ RRR
PO #:

5H09009

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: TCLP: / TOTAL: /GL /	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	EC, CEC, SAR, ESP	Major cations/anions, TDS				RUSH TAT (Pre-Schedule)	Standard TAT
01	Bottom Grab Sample @ 7'	8/8/05	3:35	1	X									X		X			X											

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments: 4oz 6.0

Relinquished by:	Date	Time	Received by:	Date	Time
Roy Rascon	8/8/05	1245	Fly K. Rascon	8-8-05	1245
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
Roy K. Rascon	8-9-05	MT 1405		8-9-05	1512

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

Client: Rice, Dr.

Date/Time: 8/9/05 15:12

Order #: 5+109009

Initials: CR

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

VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S
CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE
AIR
LOT NO: _____
EXP. DATE: _____
METER READING
ACCURACY: _____

SERIAL NO: 104412

100 PPM
BALANCE
FILL DATE: _____
ACCURACY: _____

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
VAC	J-26-2	J	26	17S	35E

Vertical @ Source @ 7'

SAMPLE	PID RESULT	SAMPLE	PID RESULT
1'	48.4		
2'	3.4		
3'	2.8		
4'	5.1		
5'	0.4		
6'	0.9		
7'	0.1		

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

*Note: PID Readings copied From Field Notes, Employee No Longer w/ ROC. Roy R. Rascon 9-27-05

Signature

Date