1R - 425-64

REPORTS

DATE:

12-16-08

EP 17

Vacuum Bustamante EOL

1R425-64

DISCLOSURE

RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Vacuum	Bustamante EOL	F	25	17S	35E	Lea	Length 8'	Width 4'	Depth 2'
							no box; system abandonment		

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

Depth to Groundwater 60 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 7/8/2005 Date Completed 9/12/2005 OCD Witness no

3 trenches

Soil Excavated 80 cubic yards Excavation Length _____ Width _____ Depth 12 feet

Soil Disposed 40 cubic yards Offsite Facility Sundance Location Eunice, NM

FINAL ANALYTICAL RESULTS: **Sample Date** 8/9/2005 **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 (field) ppm	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
BOTTOM 12' GRAB	13.8	<10.0	<10.0	1850

General Description of Remedial Action: This junction was eliminated during the Vacuum SWD system abandonment. After the former junction box was removed, an investigation was conducted using a trackhoe to excavated three trenches to 12 ft BGS. Soil samples were taken at regular intervals and field tested for chloride, which yielded elevated concentrations that did not relent with depth. Organic vapors were measured using a PID, which yielded low concentrations. A 12 ft bottom grab sample was sent a commercial laboratory for analysis of chloride and TPH, which confirmed elevated chloride concentrations. Clean soil was imported to backfill the excavation to ground surface and to contour the site to the surrounding area. NMOCD was notified of potential groundwater impact on 12/8/2008.

ADDITIONAL EVALUATION IS HIGH PRIORITY

enclosures: photos, lab results, PID field screenings, chloride curve

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
background	3"	98
vertical delineation trench at the junction (source)	1'	5585
	2'	484
	3'	371
	4'	442
	5'	551
	6'	613
	7'	655
	8'	1167
	9'	1199
	10'	1118
	11'	1468
	12'	2335

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

SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

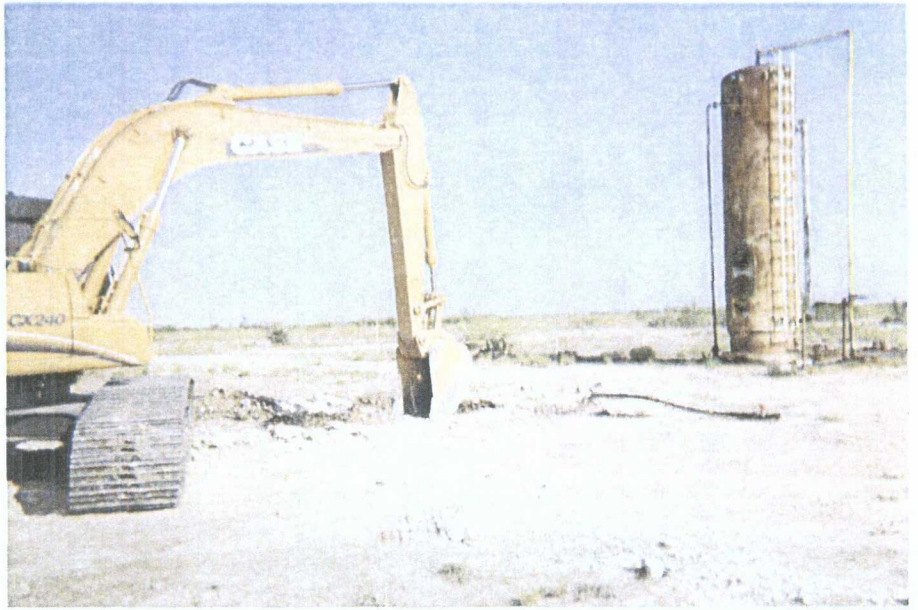
PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 12-16-08

*This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.

Vacuum Bustamante EOL

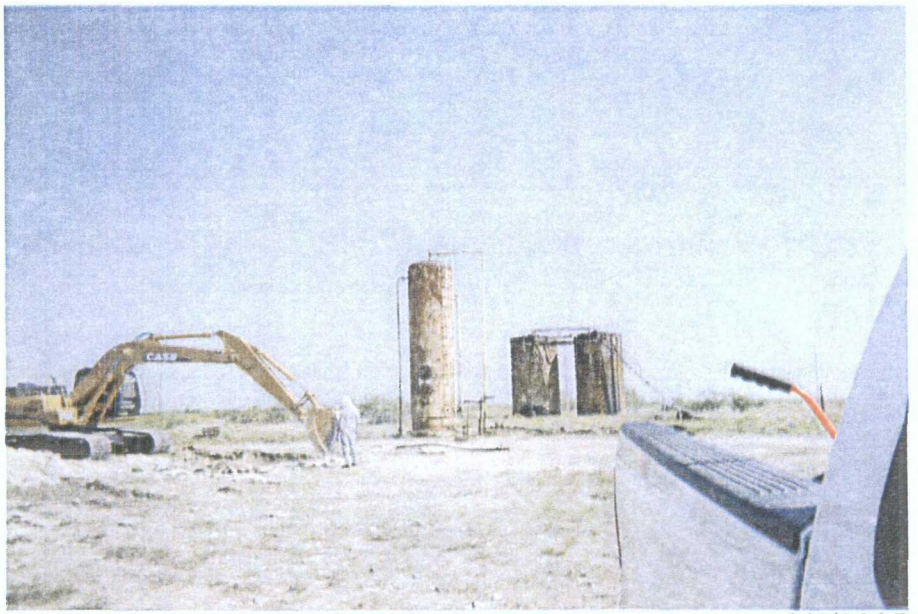
Unit F, Section 25, T17S, R35E

undisturbed junction box 7/11/2005



delineation trench at source 8/2/2005

delineation trench at 5 ft west of source 8/3/2005



delineation trench at 5 ft north of source 8/3/2005

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. Bustamante EOL
Project Number: None Given
Location: None Given

Lab Order Number: 5H09010

Report Date: 08/17/05

Rice Operating Co.	Project: Vac. Bustamante EOL	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
Grab Bottom Sample@ 12'	5H09010-01	Soil	08/09/05 09:20	08/09/05 15:12

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

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

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Grab Bottom Sample@ 12' (5H09010-01) 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		*85.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*97.8 %*	*70-130*		"	"	"	"	

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

Rice Operating Co.	Project: Vac. Bustamante EOL	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
Grab Bottom Sample@ 12' (5H09010-01) Soil									
Chloride	**1850**	25.0	mg/kg	50	EH51714	08/16/05	08/16/05	EPA 300.0	
% Moisture	**9.6**	0.1	%	1	EH51102	08/10/05	08/11/05	% calculation	

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

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*			

Rice Operating Co.	Project: Vac. Bustamante EOL	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 - 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	

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

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: Jose Hernandez

Project Name: Vacuum Bostamunite EOL
Project #:
Project Loc:
PO #:

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: / CL: /	Analyze For: TCLP: TPH 418.1	Analyze For: TCLP: TPH TX 1005/1006	Analyze For: TCLP: TPH 8015M GRO/DRO	Analyze For: TCLP: Metals: As Ag Ba Cd Cr Pb Hg Se	Analyze For: TOTAL: Volatiles	Analyze For: TOTAL: Semivolatiles	Analyze For: TOTAL: BTEX 8021B/5030	Analyze For: EC, CEC, SAR, ESP	Analyze For: Major cations/anions, TDS	RUSH TAT (Pre-Schedule)	Standard TAT
5H09010																											
01	Grab Bottom Sample @ 12'	8-9-05	9:20	1	X									X		X			X								

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt: 0.0
Laboratory Comments: 4oz

Relinquished by:	Date	Time	Received by:	Date	Time
Jose Hernandez	8-9-05	1245	Roy R. Rascon	8-9-05	1245
Roy R. Rascon	8-9-05	1406 MT	Received by ELOT:	8-9-05	1512

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

Client: Rice Dp.

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

Order #: 5+1090

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

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

LOT NO: 04-2747
EXP. DATE: 8-1-06
METER READING
ACCURACY: 100

SERIAL NO: 104412

100 PPM
BALANCE
FILL DATE: 2-1-05
ACCURACY: ± 2%

SYSTEM	JUNCION	UNIT	SECTION	TOWNSHIP	RANGE
Vacuum	Bustamante EOC	F	25	17S	35E

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Source @ 1'	3.4	Trench-N-@ Surf 1'	0.1
2'	1.7	2'	0.7
3'	0.3	3'	0.4
4'	0.5	4'	0.1
5'	0.1	5'	0.4
6'	1.6	6'	0.2
7'	1.3	7'	0.3
8'	1.1	8'	0.6
9'	0.1	9'	0.5
10'	0.7	10'	0.7
11'	0.4	11'	0.7
12'	1.5	12'	0.1

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

Signature _____ Date 8-9-05

Vacuum Bustamante EOC

Bottom Sample @ 12'

					CL	PID	Time
10.6 / 30.2	2.84	.55 / 10	.055		1561	13.8	9:20

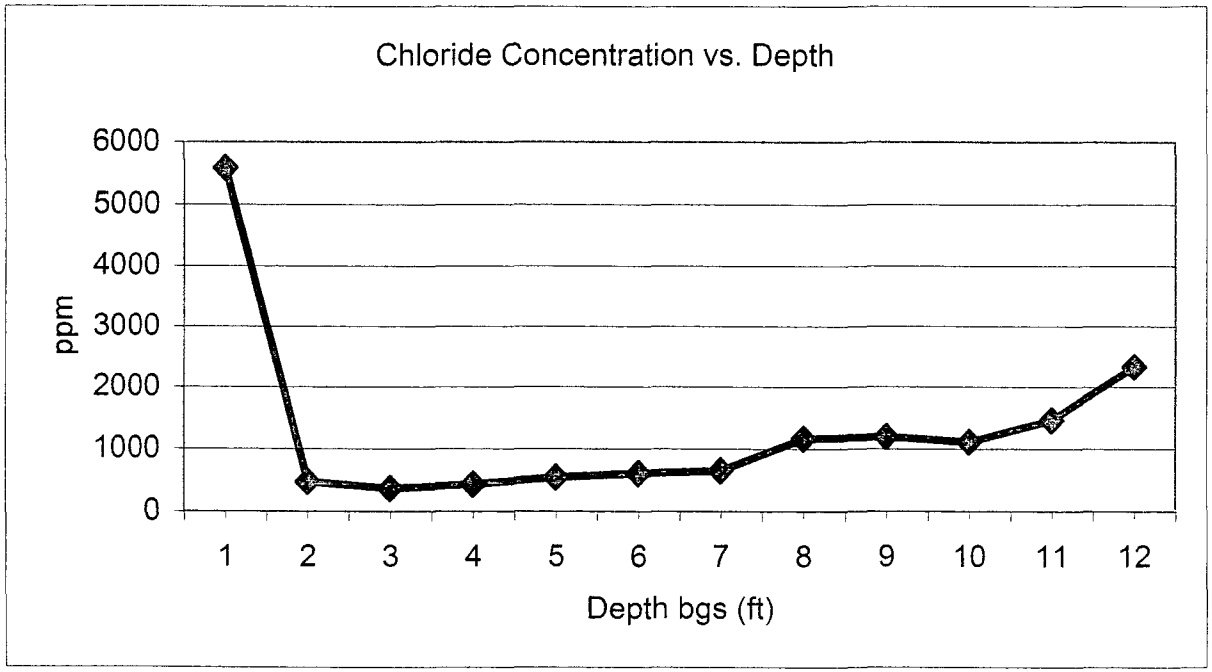
Greg Hernandez 8-9-05

Vacuum Bustamante EOL

Unit 'F', Sec. 25, T17S, R35E

Trackhoe samples at junction (source)

Depth bgs (ft)	[Cl] ppm
1	5585
2	484
3	371
4	442
5	551
6	613
7	655
8	1167
9	1199
10	1118
11	1468
12	2335



Groundwater = 60 ft