1R - 425-22

REPORTS

DATE:

FEB 13, 2006

Vac Jct n-30

IR0425-22

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. N-30	N	30	17S	35E	Lea	System Abandonment--no box		

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

Depth to Groundwater 96 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 9/6/2005 Date Completed 12/21/2005 NMOCD Witness no

Soil Excavated 12 cubic yards Excavation Length 8 Width 3 Depth 13 feet

Soil Disposed 12 cubic yards Offsite Facility Sundance Location Eunice, NM

FINAL ANALYTICAL RESULTS: **Sample Date** 9/6/2005 **Sample Depth** 13 ft

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 @ 13 ft BGS	0.0	<10.0	<10.0	26.3

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
vertical trench at junction	2	3314
	3	2758
	4	5361
	5	4658
	6	4573
	7	4558
	8	4143
	9	2016
	10	2417
	11	1687
	12	351
	13	145

General Description of Remedial Action:

This junction box was addressed as part of the Vacuum System Abandonment. After removing the junction box, a delineation trench was made at the site using a backhoe while soil samples were collected at regular depth intervals to 13 ft BGS. Chloride field tests performed on the samples yielded concentrations that exhibited a conclusive trend of decline with depth (see graph), indicative of unsaturated historical vadose conditions. PID screenings conducted on the samples yielded very low concentrations as well, either 0.0 or 0.1 ppm. A grab sample at 13 ft BGS was collected for laboratory analysis to confirm field tests. TPH was not present within the lab's detection limits (<10.0 ppm), meeting NMOCD guidelines. The excavated soil was disposed of at a permitted facility and clean, imported soil was backfilled into the trench. The disturbed area 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 in service, a new box is not required.

enclosures: chloride graph, photos, lab results, PID field screenings, disposal manifest

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

SITE SUPERVISOR Roy Rascon SIGNATURE _____ COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 2/13/2006 TITLE Project Scientist

Vacuum jct. N-30

Unit 'N', Sec. 30, T17S, R35E

undisturbed junction box 6/13/2005

box removed; before delineation 8/25/2005

box removed; before delineation 7/12/2005

seeding disturbed surface 1/5/2006

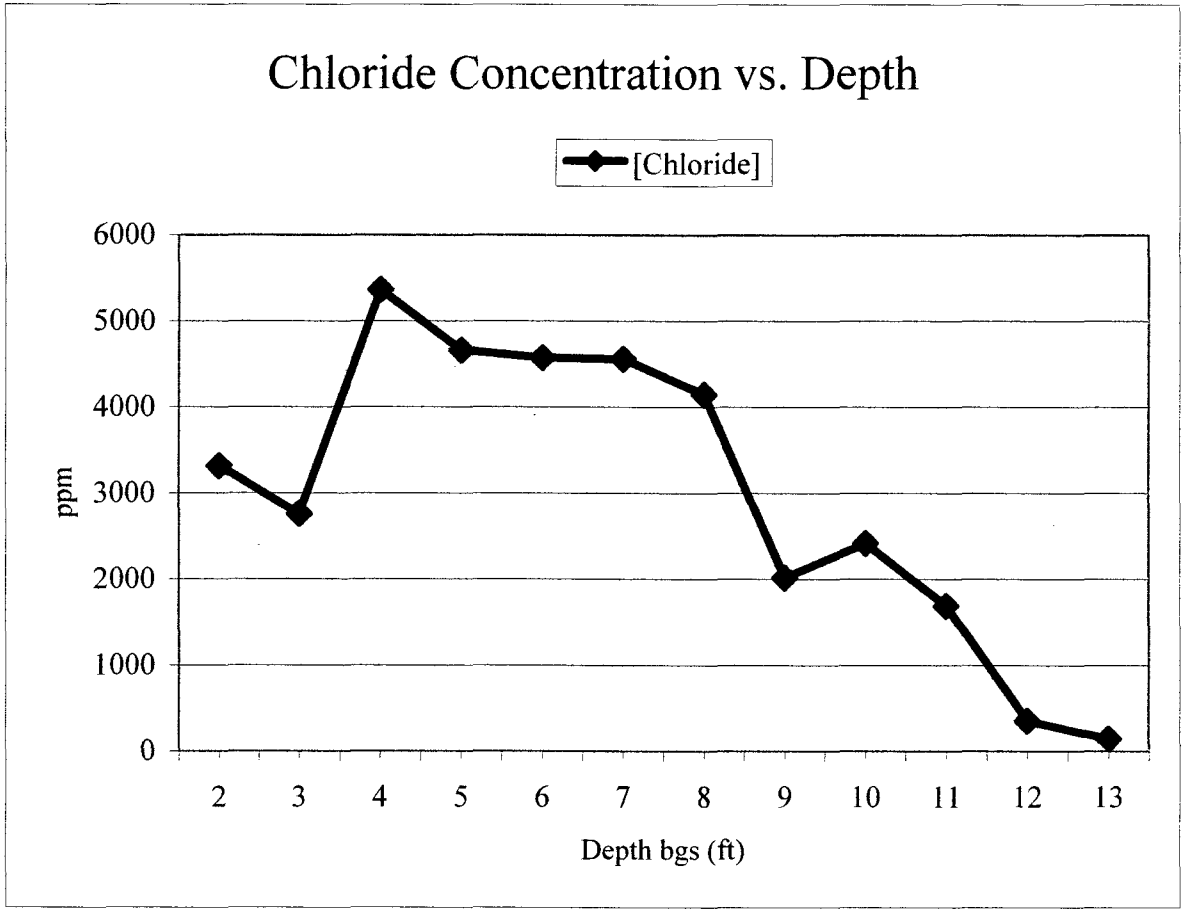
Vacuum jct. N-30

T17S, R35E

Vertical Delineation at Junction
Field Tests

Depth bgs (ft)	[Cl⁻] ppm
2	3314
3	2758
4	5361
5	4658
6	4573
7	4558
8	4143
9	2016
10	2417
11	1687
12	351
13	145

Groundwater = 96 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: Vacuum Jct. N-30

Project Number: None Given

Location: None Given

Lab Order Number: 5I09003

Report Date: 09/19/05

Rice Operating Co.	Project: Vacuum Jct. N-30	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	09/19/05 10:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Vert.@ 13ft bgs	5I09003-01	Soil	09/06/05 13:15	09/09/05 07:30
Blended Soil/ Remediate Backfill	5I09003-02	Soil	09/07/05 13:30	09/09/05 07:30

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Rice Operating Co.	Project: Vacuum Jct. N-30	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	09/19/05 10:23

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vert.@ 13ft bgs (5I09003-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI50912	09/09/05	09/11/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*91.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*81.6 %*	*70-130*		"	"	"	"	
Blended Soil/ Remediate Backfill (5I09003-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI50912	09/09/05	09/11/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*84.8 %*	*70-130*		"	"	"	"	

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Rice Operating Co.	Project: Vacuum Jct. N-30	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	09/19/05 10:23

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vert.@ 13ft bgs (5I09003-01) Soil									
Chloride	**26.3**	5.00	mg/kg	10	EI51507	09/14/05	09/14/05	EPA 300.0	
% Moisture	**11.5**	0.1	%	1	EI51214	09/09/05	09/13/05	% calculation	
Blended Soil/ Remediate Backfill (5I09003-02) Soil									
Chloride	**3050**	50.0	mg/kg	100	EI51507	09/14/05	09/14/05	EPA 300.0	
% Moisture	**9.7**	0.1	%	1	EI51214	09/09/05	09/13/05	% calculation	

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122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	09/19/05 10:23

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 EI50912 - Solvent Extraction (GC)										
Blank (EI50912-BLK1)				Prepared: 09/09/05 Analyzed: 09/11/05						
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	*50.7*		*mg/kg*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.8*		*"*	*50.0*		*93.6*	*70-130*			
LCS (EI50912-BS1)				Prepared: 09/09/05 Analyzed: 09/11/05						
Gasoline Range Organics C6-C12	398	10.0	mg/kg wet	500		79.6	75-125			
Diesel Range Organics >C12-C35	379	10.0	"	500		75.8	75-125			
Total Hydrocarbon C6-C35	777	10.0	"	1000		77.7	75-125			
Surrogate: 1-Chlorooctane	*48.3*		*mg/kg*	*50.0*		*96.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.3*		*"*	*50.0*		*96.6*	*70-130*			
Calibration Check (EI50912-CCV1)				Prepared: 09/09/05 Analyzed: 09/12/05						
Gasoline Range Organics C6-C12	425		mg/kg	500		85.0	80-120			
Diesel Range Organics >C12-C35	412		"	500		82.4	80-120			
Total Hydrocarbon C6-C35	837		"	1000		83.7	80-120			
Surrogate: 1-Chlorooctane	*51.0*		*"*	*50.0*		*102*	*0-200*			
Surrogate: 1-Chlorooctadecane	*61.1*		*"*	*50.0*		*122*	*0-200*			
Matrix Spike (EI50912-MS1)	**Source: 5I09001-01**			Prepared: 09/09/05 Analyzed: 09/11/05						
Gasoline Range Organics C6-C12	403	10.0	mg/kg dry	533	ND	75.6	75-125			
Diesel Range Organics >C12-C35	406	10.0	"	533	ND	76.2	75-125			
Total Hydrocarbon C6-C35	809	10.0	"	1070	ND	75.6	75-125			
Surrogate: 1-Chlorooctane	*43.1*		*mg/kg*	*50.0*		*86.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.0*		*"*	*50.0*		*80.0*	*70-130*			
Matrix Spike Dup (EI50912-MSD1)	**Source: 5I09001-01**			Prepared: 09/09/05 Analyzed: 09/11/05						
Gasoline Range Organics C6-C12	403	10.0	mg/kg dry	533	ND	75.6	75-125	0.00	20	
Diesel Range Organics >C12-C35	402	10.0	"	533	ND	75.4	75-125	0.990	20	
Total Hydrocarbon C6-C35	805	10.0	"	1070	ND	75.2	75-125	0.496	20	
Surrogate: 1-Chlorooctane	*44.9*		*mg/kg*	*50.0*		*89.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.4*		*"*	*50.0*		*88.8*	*70-130*			

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Rice Operating Co.	Project: Vacuum Jct. N-30	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	09/19/05 10:23

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 EI51214 - General Preparation (Prep)										
Blank (EI51214-BLK1)				Prepared: 09/09/05 Analyzed: 09/13/05						
% Solids	100		%							
Duplicate (EI51214-DUP1)	**Source: 5I08021-02**			Prepared: 09/09/05 Analyzed: 09/13/05						
% Solids	95.3		%		95.5			0.210	20	
Duplicate (EI51214-DUP2)	**Source: 5I09013-05**			Prepared: 09/09/05 Analyzed: 09/13/05						
% Solids	99.2		%		99.0			0.202	20	
Duplicate (EI51214-DUP3)	**Source: 5I09010-03**			Prepared: 09/09/05 Analyzed: 09/13/05						
% Solids	90.9		%		90.2			0.773	20	
Batch EI51507 - Water Extraction										
Blank (EI51507-BLK1)				Prepared & Analyzed: 09/14/05						
Chloride	ND	0.500	mg/kg							
LCS (EI51507-BS1)				Prepared & Analyzed: 09/14/05						
Chloride	8.62		mg/L	10.0		86.2	80-120			
Calibration Check (EI51507-CCV1)				Prepared & Analyzed: 09/14/05						
Chloride	9.06		mg/L	10.0		90.6	80-120			
Duplicate (EI51507-DUP1)	**Source: 5I09001-01**			Prepared & Analyzed: 09/14/05						
Chloride	801	10.0	mg/kg		796			0.626	20	

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122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	09/19/05 10:23

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: 9/19/05

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.

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: Roy R. Rascon

Project Name: Vacuum Jct -N-3C
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	Chlorides (RRR 9-7-05)	RUSH TAT (Pre-Schedule)
-01	Vent @ 13ft bgs?	9/6/05	13:15	1	X									X		X			X					X	
-02	Remediate Backfill (Blended Soil)	9/7/05	1330	1	X									X		X			X						

Analyze For: TCLP: / TOTAL:

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Roy R. Rascon	9-7-05	1623	[signature]	9/8	18:00
Relinquished by: [signature]	9/9	7:00	Received by ELOT: Drop Box [signature]	9-9-5	0730

Sample Containers Intact? (Y) N
Temperature Upon Receipt: 0.5°C
Laboratory Comments: 4oz glass on ice w/ labels + seals Seal on cooler

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

Client: Rice Op.

Date/Time: 9/9/05 7:30

Order #: 5I09003

Initials: UK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	0.5 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:

_____

_____

_____

_____

_____

_____

_____

_____

BD VENT P-35
UL/P Sec 35 – T21S – R37E
GPS Lat. & Lon. NAD27
32*25.795N / 103*07.864W
From the intersection of Hwy 18 and Jct 234 go W. 0.1 mi, turn S. go 0.2 mi turn W. go 0.1 mi thru cattle guard to first battery on S. side of rd. turn S. go concrete box follow ROC R-O-W to fenced open hole. Spot 100' radius from flagged stake IDed BD Vent P-35

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
SERIAL NO: 104412
CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE 100 PPM
AIR BALANCE
LOT NO: 04-2747
FILL DATE: 2-1-05
EXP. DATE: 8-1-06
ACCURACY: +/- 2%
METER READING
ACCURACY: 100.4

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
VAC	N-30	N	30	17S	35E

Vert. @ Source Only

SAMPLE	PID RESULT	SAMPLE	PID RESULT
2'	0.1		
3'	0.1		
4'	0.0		
5'	0.0		
6'	0.0		
7'	0.0		
8'	0.0		
9'	0.0		
10'	0.0		
11'	0.0		
12'	0.0		
13'	0.0		

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

Roy L Rasco
Signature

9-6-05
Date

SUNDANCE SERVICES INC.
P.O. BOX 1737
EUNICE, NM 88231
505-394-2511

Ticket # 105212

Lease Operator/Shipper/ Company: RICE

Lease Name: M-30

Transporter Company: R/M Time: AM/PM

Date: 12/21/2005 Vehicle No. 79 Driver No.

Charge To: RICE

Type of Material

☐ Produced Water	☐ Drilling Fluids	☐ Completion Fluids
☐ Tank Bottoms	☒ Contaminated Soil	☐ C-117 No
☐ Other Materials	☐ BS&W Content:	

Description: O/O

☐ JETOUT
☐ CALLOUT

COPY

VOLUME OF MATERIAL BBLS. 12 YARDS

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. 6901, ET SEQ. THE NM HEALTH AND SAF. CODE 361.001 ET SEQ. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER:

FACILITY REPRESENTATIVE: