

1R - 425-27

REPORTS

DATE:

2006

Vac Jet F-31-1

RECEIVED

APR 2 1974
Environmental Bureau
Oil Conservation Division

Disclosure

RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Vaccum	jct. F-31-1	F	31	17S	35E	Lea			
							box eliminated--System Abandonment		

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

Depth to Groundwater 117 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 7/19/2005 Date Completed 2/17/2006 NMOCD Witness no

Soil Excavated 44 cubic yards Excavation Length 10 Width 10 Depth 12 feet

Soil Disposed 24 cubic yards Offsite Facility Sundance/Parabo Location Eunice, NM

FINAL ANALYTICAL RESULTS: Sample Date 7/21/2005 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.

CHLORIDE FIELD TESTS

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	XXX	<10.0	<10.0	4990
BOTTOM COMP.	1.5	<10.0	<10.0	6170
BACKFILL COMP.	4.6	<10.0	<10.0	3570

LOCATION	DEPTH (ft)	ppm	
vertical delineation trench at junction	3	873	
	4	1481	
	5	231	
	6	198	
	7	458	
	8	1891	
	9	2993	
	10	4112	
	11	4731	
	12	6073	
	4-wall comp.	n/a	4867
	bottom comp.	12	7947
backfill comp.	n/a	3467	

General Description of Remedial Action:

This junction box was addressed as part of the Vacuum SWD System abandonment. After removing the box materials, delineation trenches were excavated at the site using a trackhoe while soil samples were collected at regular intervals. Chloride field tests and PID screenings were conducted on each sample. Chloride concentrations were high at 12 ft while PID concentrations were relatively low throughout. After composite samples from the 10 x 10 x 12-ft excavation were collected for laboratory analysis, the excavation was backfilled with the excavated soil to 6 ft BGS.

At 6 ft BGS, a 1-ft-thick compacted clay barrier was installed in the excavation. The remaining excavated soil was backfilled on top of the clay. Additional topsoil was imported and backfilled on top of the area. The disturbed surface has been seeding with a blend of native vegetation and will be monitored for growth. An identification plate was placed on the surface of this site to mark the former junction box location for future environmental considerations. NMOCD has been notified of potential groundwater impact at this site. A replacement junction box is not required because the Vacuum SWD System has been abandoned.

ADDITIONAL EVALUATION IS LOW PRIORITY

enclosures: chloride graph, photos, lab results, PID field screenings, clay test, clay diagram

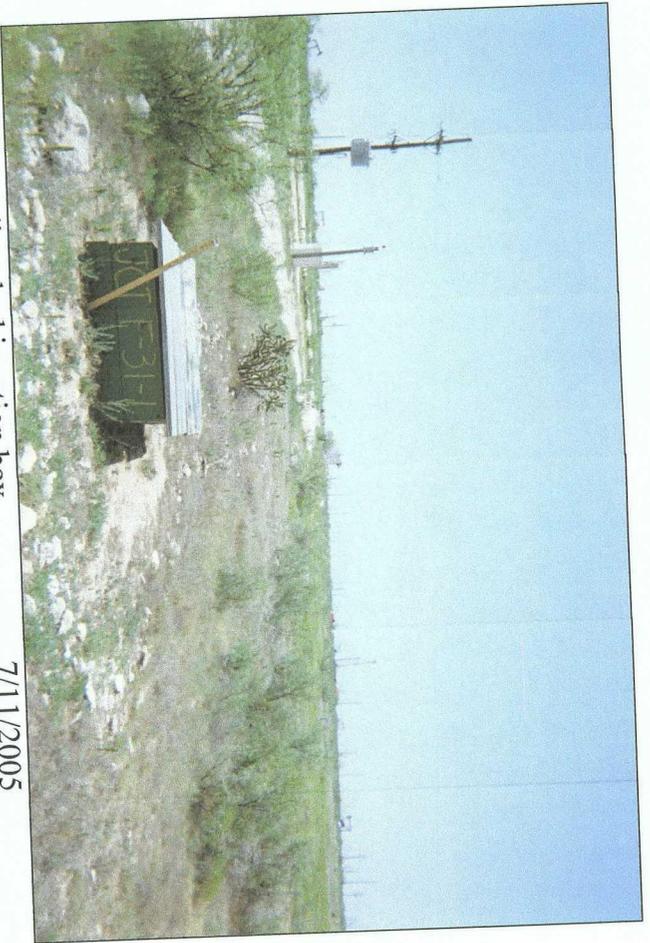
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SITE SUPERVISOR Israel Juarez SIGNATURE *Israel Juarez* COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE *Kristin Farris Pope*
DATE 4/17/2006 TITLE Project Scientist

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

Vacuum jct. F-31-1



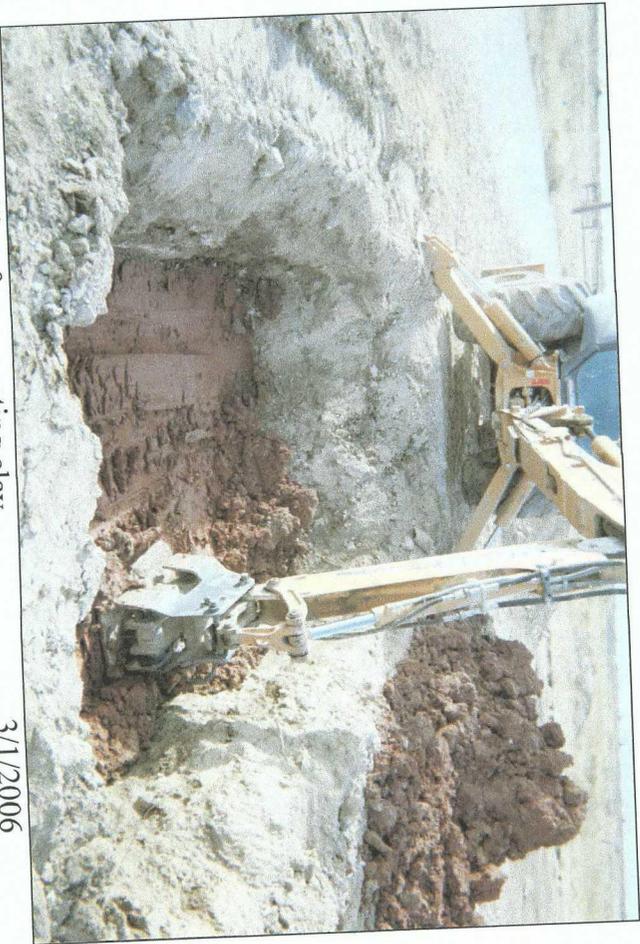
undisturbed junction box

7/11/2005



beginning delineation & excavation

7/20/2005



installing & compacting clay

3/1/2006



identification plate at backfilled site marking former junction

Rice Operating Company

HOBBS, NEW MEXICO 88240

PHONE: (505) 393-9174 FAX: (505) 397-1471

VOC FIELD TEST REPORT FORM

MODEL NO: PGM 761S
 CALIBRATION GAS
 GAS COMPOSITION: ISOBUTYLENE AIR

SERIAL NO: 104412

100 PPM
 BALANCE
 FILL DATE: 2-1-05
 ACCURACY: $\pm 2\%$

LOT NO: 04-2747
 EXP. DATE: 8-1-06
 METER READING
 ACCURACY: 101.1

COPY

SYSTEM	JUNCION	UNIT	SECTION	TOWNSHIP	RANGE
Vacuum	F-31-1	F	31	17	35

5x10'x12'

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Bottom Comp. @ 12'	1.5		
Remediated Backfill	4.6		
North Wall Comp.	1.7		
South Wall Comp.	0.7		
East Wall Comp.	20.6		
West Wall Comp.	1.0		

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

Signature *R. Paul Gray*

Date 7/2/05

= Lab samples



LABORATORY TEST REPORT
PETTIGREW & ASSOCIATES, P.A.
 1110 N. GRIMES
 HOBBS, NM 88240
 (505) 393-9827

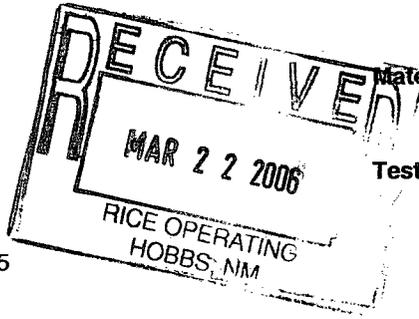


DEBRA P. HICKS, P.E./L.S.I.
 WILLIAM M. HICKS, III, P.E./P.S.

To: Rice Operating
 Attn: Carolyn Haynes
 122 W. Taylor
 Hobbs, NM 88240

Project: VAC. JCT. F 31-4
 Project No. 2006.1005

Date of Test: March 1, 2006



Material: Red Clay

Test Method: ASTM: D 2922

Depth: 5' Below Finished Subgrade

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
SG-1	10' x 10' Pit - 5' W. & 5' S. of the NE Corner Centerline	101.4	21.2	

COPY

Control Density: 98.7
 ASTM: D 698

Optimum Moisture: 23.0

Required Compaction: 95%

Lab No.: 06 1727-1729

PETTIGREW & ASSOCIATES

Copies To: Rice

BY: Debra Hicks P.E.

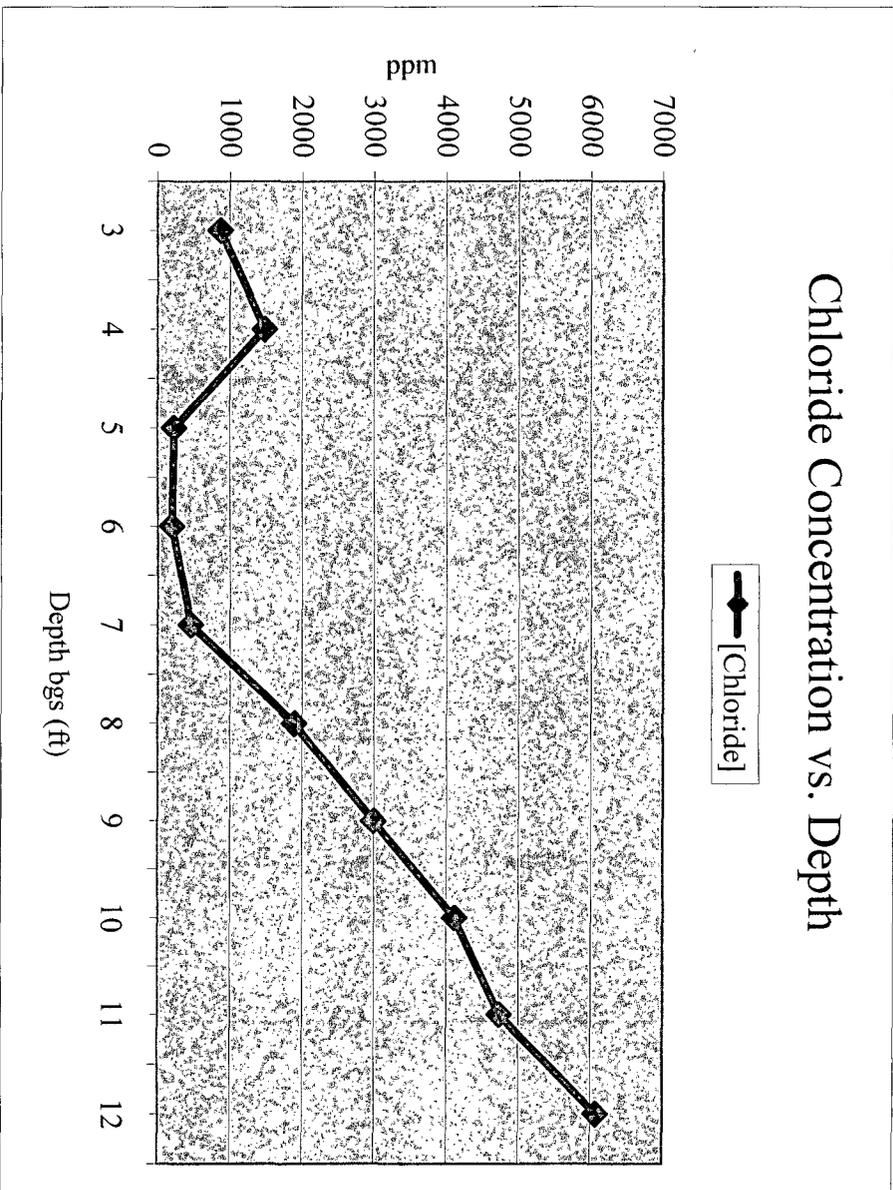
Vacuum jct. F-31-1

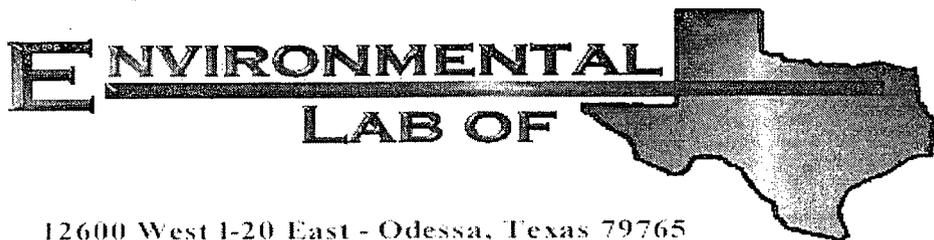
T17S, R35E

Vertical Delineation at Junction

Depth bgs. (ft)	[Cl] ppm
3	873
4	1481
5	231
6	198
7	458
8	1891
9	2993
10	4112
11	4731
12	6073

Groundwater = 117 ft





12600 West 1-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Roy Rascon

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

COPY

Project: Vacuum Jct. F-31-1

Project Number: None Given

Location: None Given

Lab Order Number: 5G25007

Report Date: 07/28/05

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

Project: Vacuum Jct. F-31-1
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471
Reported:
07/28/05 13:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Remediated Backfill	5G25007-01	Soil	07/21/05 09:20	07/22/05 18:15
Bottom Comp.@ 12'	5G25007-02	Soil	07/21/05 09:15	07/22/05 18:15
4 Wall Comp.	5G25007-03	Soil	07/21/05 09:55	07/22/05 18:15

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

Project: Vacuum Jct. F-31-1
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
07/28/05 13:37

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Remediated Backfill (5G25007-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG52514	07/25/05	07/26/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		81.6 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		89.8 %	70-130		"	"	"	"	
Bottom Comp.@ 12' (5G25007-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG52513	07/25/05	07/26/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		74.4 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		92.4 %	70-130		"	"	"	"	
4 Wall Comp. (5G25007-03) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG52514	07/25/05	07/26/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		74.8 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		82.8 %	70-130		"	"	"	"	

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

Project: Vacuum Jct. F-31-1
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
07/28/05 13:37

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Remediated Backfill (5G25007-01) Soil									
Chloride	3570	50.0	mg/kg	100	EG52811	07/27/05	07/27/05	EPA 300.0	
% Moisture	5.5	0.1	%	1	EG52601	07/25/05	07/26/05	% calculation	
Bottom Comp.@ 12' (5G25007-02) Soil									
Chloride	6170	100	mg/kg	200	EG52811	07/27/05	07/27/05	EPA 300.0	
% Moisture	7.0	0.1	%	1	EG52601	07/25/05	07/26/05	% calculation	
4 Wall Comp. (5G25007-03) Soil									
Chloride	4990	50.0	mg/kg	100	EG52811	07/27/05	07/27/05	EPA 300.0	
% Moisture	7.1	0.1	%	1	EG52601	07/25/05	07/26/05	% calculation	

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

Project: Vacuum Jct. F-31-1
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
07/28/05 13:37

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
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Batch EG52513 - Solvent Extraction (GC)

Blank (EG52513-BLK1)

Prepared & Analyzed: 07/25/05

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	35.6		mg/kg	50.0		71.2	70-130			
Surrogate: 1-Chlorooctadecane	38.0		"	50.0		76.0	70-130			

LCS (EG52513-BS1)

Prepared & Analyzed: 07/25/05

Gasoline Range Organics C6-C12	441	10.0	mg/kg wet	500		88.2	75-125			
Diesel Range Organics >C12-C35	445	10.0	"	500		89.0	75-125			
Total Hydrocarbon C6-C35	886	10.0	"	1000		88.6	75-125			
Surrogate: 1-Chlorooctane	41.4		mg/kg	50.0		82.8	70-130			
Surrogate: 1-Chlorooctadecane	38.5		"	50.0		77.0	70-130			

Calibration Check (EG52513-CCV1)

Prepared: 07/25/05 Analyzed: 07/26/05

Gasoline Range Organics C6-C12	467		mg/kg	500		93.4	80-120			
Diesel Range Organics >C12-C35	486		"	500		97.2	80-120			
Total Hydrocarbon C6-C35	953		"	1000		95.3	80-120			
Surrogate: 1-Chlorooctane	47.7		"	50.0		95.4	70-130			
Surrogate: 1-Chlorooctadecane	35.0		"	50.0		70.0	70-130			

Matrix Spike (EG52513-MS1)

Source: 5G25007-02

Prepared & Analyzed: 07/25/05

Gasoline Range Organics C6-C12	517	10.0	mg/kg dry	538	ND	96.1	75-125			
Diesel Range Organics >C12-C35	486	10.0	"	538	ND	90.3	75-125			
Total Hydrocarbon C6-C35	1000	10.0	"	1080	ND	92.6	75-125			
Surrogate: 1-Chlorooctane	45.7		mg/kg	50.0		91.4	70-130			
Surrogate: 1-Chlorooctadecane	35.3		"	50.0		70.6	70-130			

Matrix Spike Dup (EG52513-MSD1)

Source: 5G25007-02

Prepared & Analyzed: 07/25/05

Gasoline Range Organics C6-C12	481	10.0	mg/kg dry	538	ND	89.4	75-125	7.21	20	
Diesel Range Organics >C12-C35	504	10.0	"	538	ND	93.7	75-125	3.64	20	
Total Hydrocarbon C6-C35	985	10.0	"	1080	ND	91.2	75-125	1.51	20	
Surrogate: 1-Chlorooctane	45.2		mg/kg	50.0		90.4	70-130			
Surrogate: 1-Chlorooctadecane	35.1		"	50.0		70.2	70-130			

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

Project: Vacuum Jct. F-31-1
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
07/28/05 13:37

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
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Batch EG52514 - Solvent Extraction (GC)

Blank (EG52514-BLK1)

Prepared: 07/25/05 Analyzed: 07/26/05

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	47.1		mg/kg	50.0		94.2	70-130			
Surrogate: 1-Chlorooctadecane	63.0		"	50.0		126	70-130			

LCS (EG52514-BS1)

Prepared: 07/25/05 Analyzed: 07/26/05

Gasoline Range Organics C6-C12	449	10.0	mg/kg wet	500		89.8	75-125			
Diesel Range Organics >C12-C35	461	10.0	"	500		92.2	75-125			
Total Hydrocarbon C6-C35	910	10.0	"	1000		91.0	75-125			
Surrogate: 1-Chlorooctane	51.0		mg/kg	50.0		102	70-130			
Surrogate: 1-Chlorooctadecane	62.6		"	50.0		125	70-130			

Calibration Check (EG52514-CCV1)

Prepared: 07/25/05 Analyzed: 07/26/05

Gasoline Range Organics C6-C12	425		mg/kg	500		85.0	80-120			
Diesel Range Organics >C12-C35	450		"	500		90.0	80-120			
Total Hydrocarbon C6-C35	875		"	1000		87.5	80-120			
Surrogate: 1-Chlorooctane	42.6		"	50.0		85.2	70-130			
Surrogate: 1-Chlorooctadecane	55.9		"	50.0		112	70-130			

Matrix Spike (EG52514-MS1)

Source: 5G25007-03

Prepared: 07/25/05 Analyzed: 07/26/05

Gasoline Range Organics C6-C12	519	10.0	mg/kg dry	538	ND	96.5	75-125			
Diesel Range Organics >C12-C35	523	10.0	"	538	ND	97.2	75-125			
Total Hydrocarbon C6-C35	1040	10.0	"	1080	ND	96.3	75-125			
Surrogate: 1-Chlorooctane	46.7		mg/kg	50.0		93.4	70-130			
Surrogate: 1-Chlorooctadecane	52.1		"	50.0		104	70-130			

Matrix Spike Dup (EG52514-MSD1)

Source: 5G25007-03

Prepared: 07/25/05 Analyzed: 07/26/05

Gasoline Range Organics C6-C12	533	10.0	mg/kg dry	538	ND	99.1	75-125	2.66	20	
Diesel Range Organics >C12-C35	534	10.0	"	538	ND	99.3	75-125	2.08	20	
Total Hydrocarbon C6-C35	1070	10.0	"	1080	ND	99.1	75-125	2.84	20	
Surrogate: 1-Chlorooctane	47.1		mg/kg	50.0		94.2	70-130			
Surrogate: 1-Chlorooctadecane	53.1		"	50.0		106	70-130			

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

Project: Vacuum Jct. F-31-1
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
07/28/05 13:37

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
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Batch EG52601 - General Preparation (Prep)

Blank (EG52601-BLK1)		Prepared: 07/25/05 Analyzed: 07/26/05								
% Moisture	ND	0.1	%							
Duplicate (EG52601-DUP1)		Source: 5G22016-01 Prepared: 07/25/05 Analyzed: 07/26/05								
% Moisture	0.7	0.1	%		0.8			13.3	20	

Batch EG52811 - Water Extraction

Blank (EG52811-BLK1)		Prepared & Analyzed: 07/27/05								
Chloride	ND	0.500	mg/kg							
LCS (EG52811-BS1)		Prepared & Analyzed: 07/27/05								
Chloride	10.8		mg/L	10.0		108	80-120			
Calibration Check (EG52811-CCV1)		Prepared & Analyzed: 07/27/05								
Chloride	10.4		mg/L	10.0		104	80-120			
Duplicate (EG52811-DUP1)		Source: 5G25007-02 Prepared & Analyzed: 07/27/05								
Chloride	6010	100	mg/kg		6170			2.63	20	

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

Project: Vacuum Jct. F-31-1
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
07/28/05 13:37

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: 7-29-05

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.

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If you have received this material in error, please notify us immediately at 432-563-1800.

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

Client: Rice Op.
 Date/Time: 7/25/05
 Order #: 5625007
 Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	0.5	C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	No		
Custody Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/>	No	Not present	
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/>	No	Not present	
Chain of custody present?	<input checked="" type="checkbox"/>	No		
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/>	No		
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/>	No		
Container labels legible and intact?	<input checked="" type="checkbox"/>	No		
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/>	No		
Samples in proper container/bottle?	<input checked="" type="checkbox"/>	No		
Samples properly preserved?	<input checked="" type="checkbox"/>	No		
Sample bottles intact?	<input checked="" type="checkbox"/>	No		
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/>	No		
All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	No		
VOC samples have zero headspace?	<input checked="" type="checkbox"/>	No	Not Applicable	

Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____
 Regarding: _____

Corrective Action Taken:

Clay Barrier Configuration

Location: Vacuum Jct. F-31-1
Legal Description: Unit 'F', Section 31, T17S, R35E
Dimensions of excavation: 10' L x 10' W x 12' D

Date: 3-1-06

