

1R - 423-08

REPORTS

DATE:

1/2 4/2 005

Justis D. Vent

1R0423-08

DISCLOSURE REPORT

**RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Justis	D-1 vent	D	1	25S	37E	Lea	moved 80 ft south		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Joyce Marie Willis OTHER _____

Depth to Groundwater 75 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 7/16/2004 Date Completed 7/30/2004 OCD Witness No

Soil Excavated 400 cubic yards Excavation Length 30 Width 30 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 7/21/2004, 7/22/2004 Sample Depth 12 ft

Procure 5-point composite sample of bottom and 4-point composite sample of excavation sidewalls.
TPH, BTEX, and Chloride laboratory test results completed by using an approved lab and testing
procedures pursuant to NMOCD guidelines.

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
SOURCE GRAB @ 16 ft	<0.025	0.0358	0.0751	0.402	191	5800	2130
4-WALL COMP.	<0.025	<0.025	<0.025	<0.025	<10.0	68.6	936
BOTTOM COMP.	<0.025	<0.025	<0.025	<0.025	20.1	478	3080
BACKFILL	PID = 76.0				60.5	1990	2450

General Description of Remedial Action: This junction box contained a vent. This former box site was re-plumbed straight through with a new 6-in. PVC pipeline and the box lumber was removed. A new watertight replacement box was built 80 ft south of this location. The former box site was delineated using a backhoe while PID screenings and chloride field tests were performed at regular intervals. Chloride concentrations were elevated and remained consistent with depth and breadth throughout the 30 x 30 x 12-ft-deep excavation. PID readings were also elevated directly below the former junction and to 15 ft south. Lab results confirmed elevated TPH concentrations directly below the former junction location. The excavation was backfilled with the excavated soil that was blended on site. An identification plate has been placed on the surface to the mark the former box site for future environmental considerations. NMOCD has been notified of potential groundwater impact at this site.

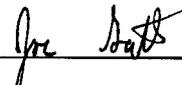
CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
vertical at junction box	8	661
	9	1315
	10	1727
	11	1775
	12	2109
	13	1888
	14	1621
	15	2655
4-wall comp.	n/a	3598
bottom comp.	12	3339
backfill	n/a	2634

ADDITIONAL EVALUATION IS MEDIUM PRIORITY

enclosures: chloride graph, photos, lab results, PID screenings, cross-section

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

SITE SUPERVISOR Joe Gatts SIGNATURE  COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE 
DATE 1/24/2005 TITLE Project Scientist

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

Justis D-1 vent

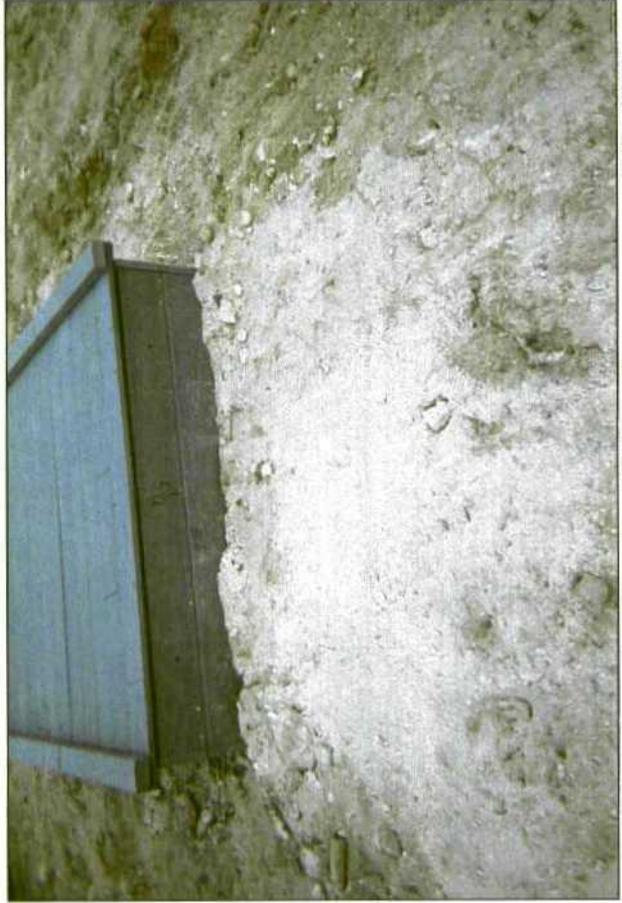
unit 'D', sec. 1, T25S, R37E



undisturbed junction box 9/5/2003



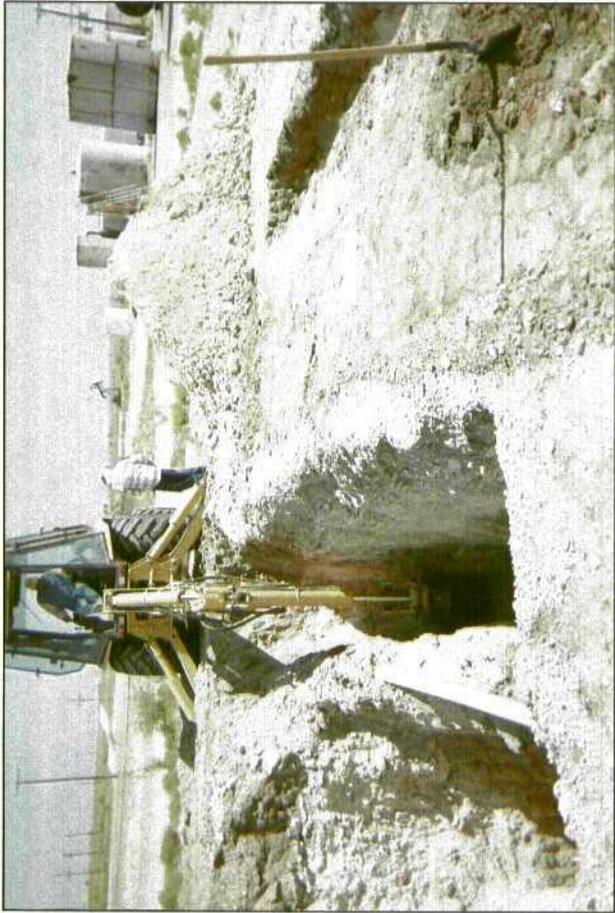
new pipeline and plumbing moved 80 ft north of old box 12/11/2003



completed new junction box 80 ft north 12/24/2003



box removed from former location and re-plumbed straight through (before excavation) 7/16/2004



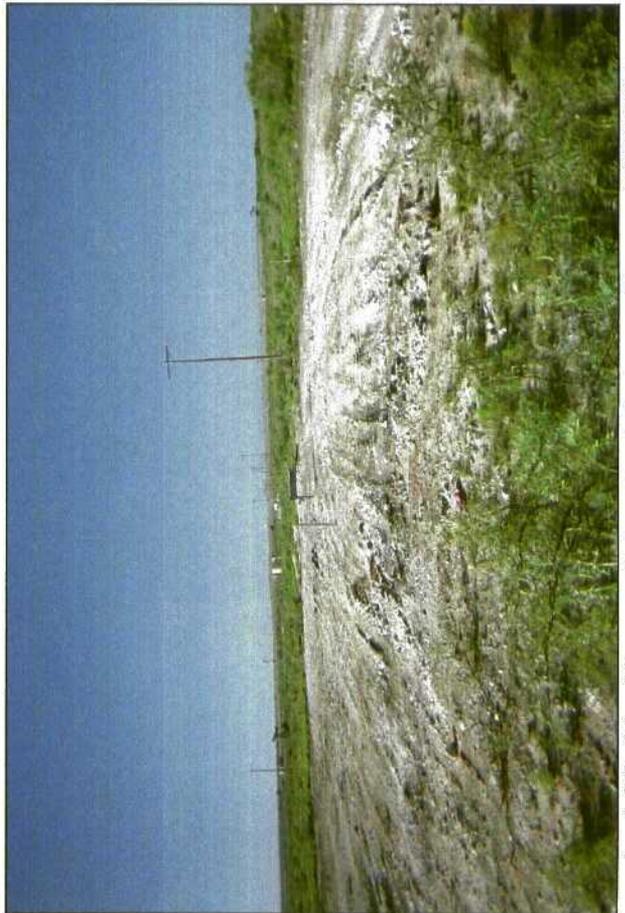
delineation & excavation

7/19/2004



sampling final 30 x 30 x 12 ft excavation

7/22/2004



backfilled looking south (new box in background)

7/30/2004



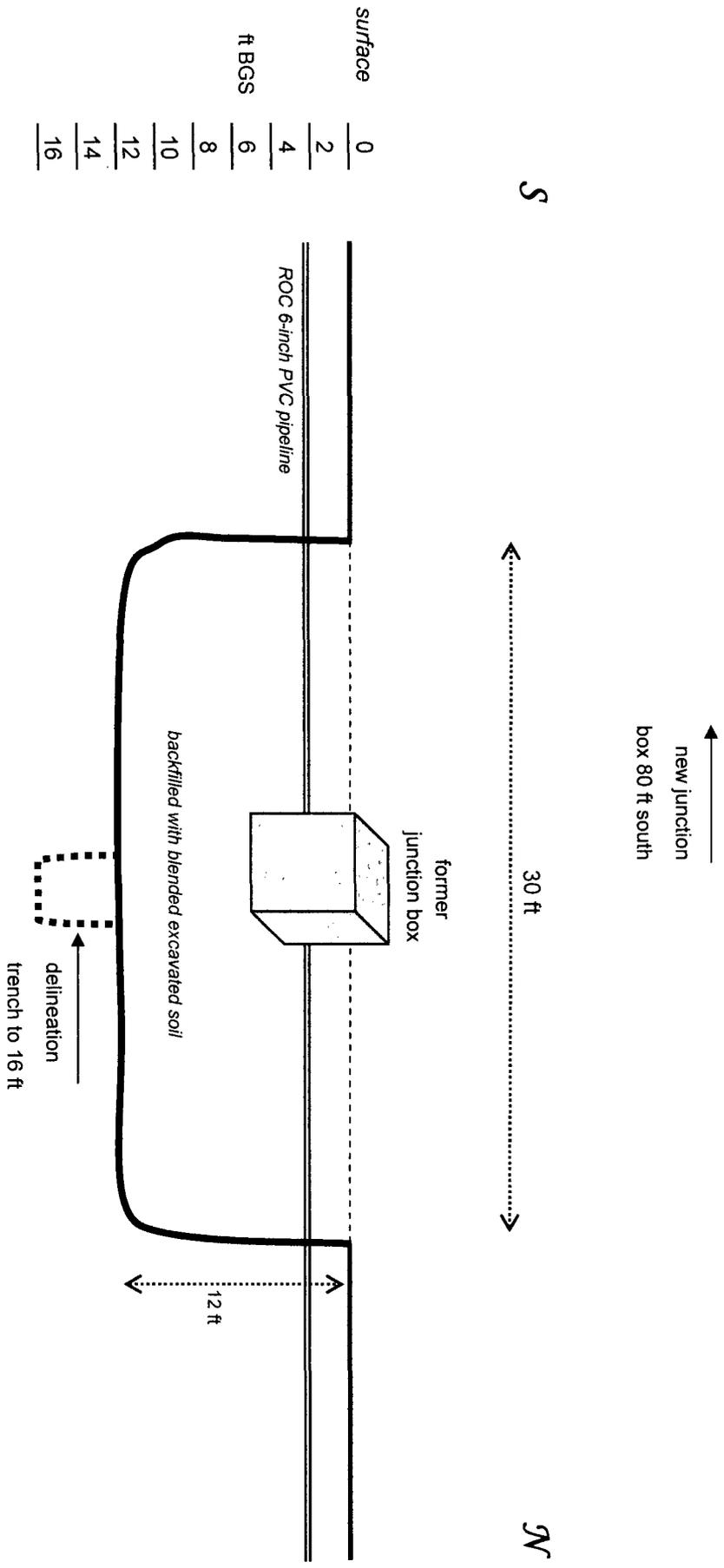
identification plate on backfilled surface

1/13/2005

Justis D-1 vent

30 x 30 x 12 ft

Excavation Cross-Section



surface	0
	2
	4
	6
ft BGS	8
	10
	12
	14
	16

Justis D-1 vent

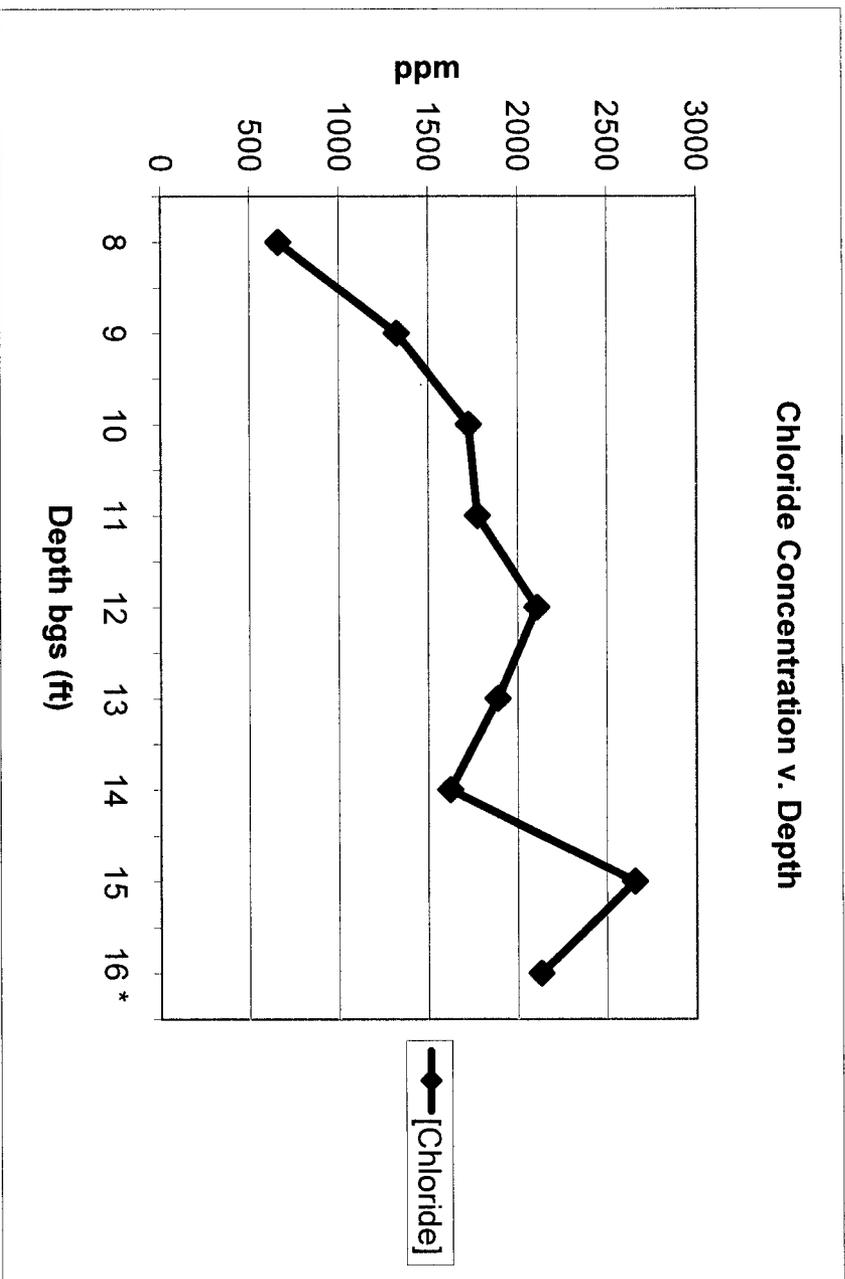
T25S, R37E

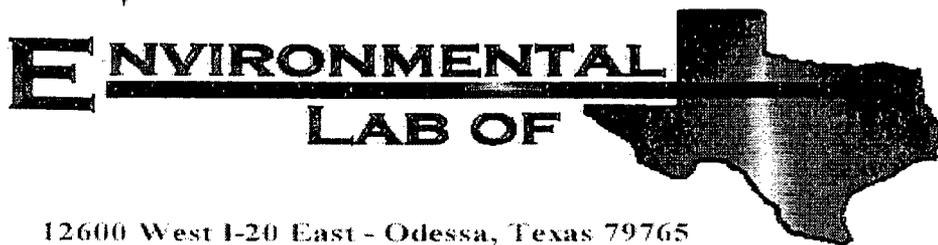
Vertical Delineation at Source

Depth bgs (ft)	[Cl ⁻] ppm
8	661
9	1325
10	1727
11	1775
12	2109
13	1888
14	1621
15	2655
16 *	2130

* Lab result

Groundwater = 75 ft





12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

D-1

Project: Vent ~~0-1~~

Project Number: [none]

Location: Justis

Lab Order Number: 4G26002

Report Date: 07/29/04

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

Project: Vent 0-1
Project Number: [none]
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
07/29/04 08:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bott. Comp @ 12' bgs	4G26002-01	Soil	07/22/04 13:30	07/23/04 17:30
REMD BACKFILL	4G26002-02	Soil	07/22/04 14:00	07/23/04 17:30
4 Wall Comp	4G26002-03	Soil	07/22/04 13:45	07/23/04 17:30
Source @ 16' bgs	4G26002-04	Soil	07/21/04 12:00	07/23/04 17:30

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

Project: Vent 0-1
Project Number: [none]
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
07/29/04 08:26

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bott. Comp @ 12' bgs (4G26002-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG42810	07/27/04	07/28/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		82.7 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.9 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	20.1	10.0	mg/kg dry	1	EG42611	07/26/04	07/26/04	EPA 8015M	
Diesel Range Organics >C12-C35	478	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	498	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		82.8 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		72.8 %	70-130		"	"	"	"	
REMD BACKFILL (4G26002-02) Soil									
Gasoline Range Organics C6-C12	60.5	10.0	mg/kg dry	1	EG42611	07/26/04	07/26/04	EPA 8015M	
Diesel Range Organics >C12-C35	1990	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	2050	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		78.2 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		73.6 %	70-130		"	"	"	"	
4 Wall Comp (4G26002-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG42810	07/27/04	07/28/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		84.4 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.1 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG42611	07/26/04	07/26/04	EPA 8015M	
Diesel Range Organics >C12-C35	68.6	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	68.6	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		82.4 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		75.0 %	70-130		"	"	"	"	

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

Project: Vent 0-1
Project Number: [none]
Project Manager: Roy Rascon

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Reported:
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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Source @ 16' bgs (4G26002-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG42810	07/27/04	07/28/04	EPA 8021B	
Toluene	0.0358	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.0751	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.323	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0790	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		83.7 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	191	10.0	mg/kg dry	1	EG42611	07/26/04	07/26/04	EPA 8015M	
Diesel Range Organics >C12-C35	5800	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	5990	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		71.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		115 %	70-130		"	"	"	"	

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

Project: Vent 0-1
Project Number: [none]
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
07/29/04 08:26

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bott. Comp @ 12' bgs (4G26002-01) Soil									
Chloride	3080	20.0 mg/kg Wet		2	EG42701	07/26/04	07/26/04	SW 846 9253	
% Solids	91.0		%	1	EG42706	07/26/04	07/26/04	% calculation	
REMD BACKFILL (4G26002-02) Soil									
Chloride	2450	20.0 mg/kg Wet		2	EG42701	07/26/04	07/26/04	SW 846 9253	
% Solids	94.0		%	1	EG42706	07/26/04	07/26/04	% calculation	
4 Wall Comp (4G26002-03) Soil									
Chloride	936	20.0 mg/kg Wet		2	EG42701	07/26/04	07/26/04	SW 846 9253	
% Solids	70.0		%	1	EG42706	07/26/04	07/26/04	% calculation	
Source @ 16' bgs (4G26002-04) Soil									
Chloride	2130	20.0 mg/kg Wet		2	EG42701	07/26/04	07/26/04	SW 846 9253	
% Solids	85.0		%	1	EG42706	07/26/04	07/26/04	% calculation	

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Reported:
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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
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Batch EG42611 - Solvent Extraction (GC)

Blank (EG42611-BLK1)

Prepared & Analyzed: 07/26/04

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	40.7		mg/kg	50.0		81.4	70-130			
Surrogate: 1-Chlorooctadecane	38.4		"	50.0		76.8	70-130			

LCS (EG42611-BS1)

Prepared & Analyzed: 07/26/04

Gasoline Range Organics C6-C12	429		mg/kg	500		85.8	75-125			
Diesel Range Organics >C12-C35	455		"	500		91.0	75-125			
Total Hydrocarbon C6-C35	884		"	1000		88.4	75-125			
Surrogate: 1-Chlorooctane	53.5		"	50.0		107	70-130			
Surrogate: 1-Chlorooctadecane	36.9		"	50.0		73.8	70-130			

LCS Dup (EG42611-BSD1)

Prepared & Analyzed: 07/26/04

Gasoline Range Organics C6-C12	425		mg/kg	500		85.0	75-125	0.937	20	
Diesel Range Organics >C12-C35	463		"	500		92.6	75-125	1.74	20	
Total Hydrocarbon C6-C35	888		"	1000		88.8	75-125	0.451	20	
Surrogate: 1-Chlorooctane	53.2		"	50.0		106	70-130			
Surrogate: 1-Chlorooctadecane	38.3		"	50.0		76.6	70-130			

Calibration Check (EG42611-CCV1)

Prepared & Analyzed: 07/26/04

Gasoline Range Organics C6-C12	413		mg/kg	500		82.6	80-120			
Diesel Range Organics >C12-C35	493		"	500		98.6	80-120			
Total Hydrocarbon C6-C35	906		"	1000		90.6	80-120			
Surrogate: 1-Chlorooctane	50.4		"	50.0		101	70-130			
Surrogate: 1-Chlorooctadecane	37.1		"	50.0		74.2	70-130			

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

Project: Vent 0-1
Project Number: [none]
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Fax: (505) 397-1471

Reported:
07/29/04 08:26

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 EG42810 - EPA 5030C (GC)

Blank (EG42810-BLK1)

Prepared & Analyzed: 07/27/04

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	82.8		ug/kg	100		82.8	80-120			
Surrogate: 4-Bromofluorobenzene	91.3		"	100		91.3	80-120			

LCS (EG42810-BS1)

Prepared & Analyzed: 07/27/04

Benzene	115		ug/kg	100		115	80-120			
Toluene	106		"	100		106	80-120			
Ethylbenzene	96.7		"	100		96.7	80-120			
Xylene (p/m)	196		"	200		98.0	80-120			
Xylene (o)	99.3		"	100		99.3	80-120			
Surrogate: a,a,a-Trifluorotoluene	96.7		"	100		96.7	80-120			
Surrogate: 4-Bromofluorobenzene	106		"	100		106	80-120			

Calibration Check (EG42810-CCV1)

Prepared: 07/27/04 Analyzed: 07/28/04

Benzene	108		ug/kg	100		108	80-120			
Toluene	99.8		"	100		99.8	80-120			
Ethylbenzene	96.2		"	100		96.2	80-120			
Xylene (p/m)	206		"	200		103	80-120			
Xylene (o)	105		"	100		105	80-120			
Surrogate: a,a,a-Trifluorotoluene	98.0		"	100		98.0	80-120			
Surrogate: 4-Bromofluorobenzene	103		"	100		103	80-120			

Matrix Spike (EG42810-MS1)

Source: 4G26002-03

Prepared: 07/27/04 Analyzed: 07/28/04

Benzene	110		ug/kg	100	ND	110	80-120			
Toluene	101		"	100	ND	101	80-120			
Ethylbenzene	99.3		"	100	ND	99.3	80-120			
Xylene (p/m)	211		"	200	ND	106	80-120			
Xylene (o)	106		"	100	ND	106	80-120			
Surrogate: a,a,a-Trifluorotoluene	98.4		"	100		98.4	80-120			
Surrogate: 4-Bromofluorobenzene	102		"	100		102	80-120			

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

Project: Vent 0-1
Project Number: [none]
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
07/29/04 08:26

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 EG42810 - EPA 5030C (GC)

Matrix Spike Dup (EG42810-MSD1)

Source: 4G26002-03

Prepared: 07/27/04

Analyzed: 07/28/04

Benzene	107		ug/kg	100	ND	107	80-120	2.76	20	
Toluene	97.8		"	100	ND	97.8	80-120	3.22	20	
Ethylbenzene	96.3		"	100	ND	96.3	80-120	3.07	20	
Xylene (p/m)	206		"	200	ND	103	80-120	2.87	20	
Xylene (o)	104		"	100	ND	104	80-120	1.90	20	
Surrogate: a,a,a-Trifluorotoluene	93.1		"	100		93.1	80-120			
Surrogate: 4-Bromofluorobenzene	100		"	100		100	80-120			

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

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07/29/04 08:26

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Notes
Batch EG42701 - Water Extraction										
Blank (EG42701-BLK1)					Prepared & Analyzed: 07/26/04					
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EG42701-MS1)					Source: 4G22008-01 Prepared: 07/23/04 Analyzed: 07/26/04					
Chloride	532	20.0	mg/kg Wet	500	0.00	106	80-120			
Matrix Spike Dup (EG42701-MSD1)					Source: 4G22008-01 Prepared: 07/23/04 Analyzed: 07/26/04					
Chloride	510	20.0	mg/kg Wet	500	0.00	102	80-120	4.22	20	
Reference (EG42701-SRM1)					Prepared & Analyzed: 07/26/04					
Chloride	4940		mg/kg	5000		98.8	80-120			
Batch EG42706 - General Preparation (Prep)										
Blank (EG42706-BLK1)					Prepared & Analyzed: 07/26/04					
% Solids	100		%							
Duplicate (EG42706-DUP1)					Source: 4G23016-01 Prepared & Analyzed: 07/26/04					
% Solids	97.0		%		97.0			0.00	20	

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

Project: Vent 0-1
Project Number: [none]
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Reported:
07/29/04 08:26

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:

Coley D. Keene

Date:

07/29/04

Raland K. Tuttle, QA Officer
Coley D. Keene, Lab Director, Org. Tech Director
Jeanne Mc Murrey, Inorg. Tech Director

James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

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 Operations

Date/Time: 7-26-07

Order #: 4G 26002.

Initials: RS

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	0.5 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> 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?	<input checked="" type="checkbox"/> Yes	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/> Yes	No	
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/> Yes	No	
Container labels legible and intact?	<input checked="" type="checkbox"/> Yes	No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	No	
Samples properly preserved?	<input checked="" type="checkbox"/> Yes	No	
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/> 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

SERIAL NO: 104412

100 PPM

BALANCE

LOT NO: 02-22-30

FILL DATE: 5/20/03

EXP. DATE: 11/20/04

ACCURACY: + or - 2%

METER READING

ACCURACY: 100.1

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
Justis	Vent. D-1	D	1	T255	R37E

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Boat Comp 12'bg	35.4		
4 WALL Comp	0.1		
REMP. Backfill	76.0		
15 South WALL	0.1		
15 North WALL	0.1		
15 East WALL	0.1		
15 WEST WALL	0.1		

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

Joe Smith
 Signature

Environmental Tech.
 Title

7/20/03
 Date