

1R - 426-128

# REPORTS

DATE:

2006

1R-426-128

# Final Report

RECEIVED

APR - 3 2007  
Environmental Bureau  
Oil Conservation Division

# Closure

RICE OPERATING COMPANY  
JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
BD	C-4 vent	C	4	22S	37E	Lea	Length	Width	Depth
							junction moved 20 ft East		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Priscilla Brunson Moody OTHER \_\_\_\_\_

Depth to Groundwater 92 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 3/21/2005 Date Completed 5/2/2005 NMOCD Witness no

Soil Excavated 133 cubic yards Excavation Length 20 Width 15 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 3/23/2005, 3/24/2005, 4/15/2005 Sample Depth 12 & 17 ft

Procure 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 lab 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.	0.4	<10.0	<10.0	301
BOTTOM COMP.	8.7	<10.0	<10.0	344
REMEDI. BACKFILL	65.4	26.8	230	219

LOCATION	DEPTH (ft)	ppm
vertical delineation trench at junction	11	728
	12	874
	13	1147
	14	487
	15	424
	16	133
	17	98
4-wall comp.	n/a	281
bottom comp.	12	217
remed. comp.	n/a	210

General Description of Remedial Action:

This junction box was addressed

with the pipeline replacement/upgrade program. A new watertight replacement junction box was built 20 ft east of the old box. After the box was removed from the old junction site, delineation began using a backhoe to collect soil samples at regular intervals. A trench at the center of the junction was advanced to a depth of 17 ft bgs where a conclusive trend of chloride decline was observed. Composite samples were collected for laboratory analysis and field test confirmation from the 20 x 15 x 12 ft excavation. NMOCD TPH guidelines were met on these samples and chloride concentrations were similar to those resulting from field tests. The excavated soil was blended on site and then backfilled into the excavation and contoured to the surrounding terrain. Because the excavation was surrounded by healthy native vegetation, the disturbed surface is expected to return to productive capacity at a normal rate.

enclosures: chloride graph, photos, lab results, PID field screenings, plan-view

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 11/6/2006 TITLE Project Scientist

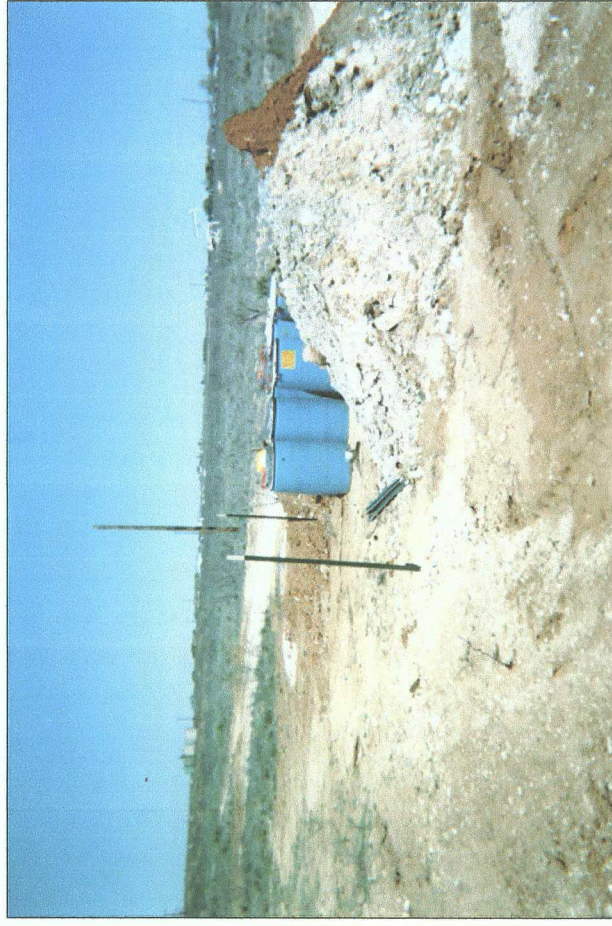


## BD C-4 vent



undisturbed junction box

2/23/2004



NORM decontamination of junction box site

3/15/2004



new replacement junction 20 ft East of former

4/2/2004



completed watertight junction box

4/15/2004





beginning delineation of former box site

3/21/2005



sampling bottom of excavation

3/23/2005



backfilling excavation

5/2/2005



seeded disturbed surface of backfilled site

11/1/2006



## Delineation Excavation 20 x 15 x 12-ft-deep

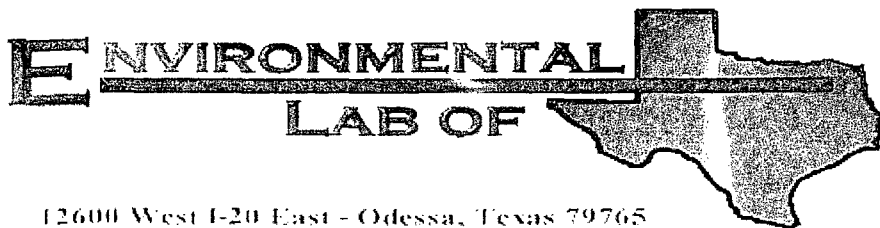


new junction  
box 20 ft  
East

17 ft deep

15 ft

20 ft



12600 West I-20 East - Odessa, Texas 79765

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## Analytical Report

Prepared for:

Roy Rascon

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: BD Vent C-4

Project Number: None Given

Location: None Given

Lab Order Number: 5D22005

Report Date: 04/27/05

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

Project: BD Vent C-4  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

**Reported:**  
04/27/05 11:41

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Remediated Backfill	5D22005-01	Soil	04/15/05 14:40	04/22/05 07:40



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

Project: BD Vent C-4  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
04/27/05 11:41

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Remediated Backfill (5D22005-01) Soil</b>									
<b>Gasoline Range Organics C6-C12</b>	<b>26.8</b>	10.0	mg/kg dry	1	ED52212	04/22/05	04/25/05	EPA 8015M	
<b>Diesel Range Organics &gt;C12-C35</b>	<b>230</b>	10.0	"	"	"	"	"	"	
<b>Total Hydrocarbon C6-C35</b>	<b>257</b>	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		82.6 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		82.4 %	70-130		"	"	"	"	

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

Project: BD Vent C-4  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported: 04/27/05 11:41

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Remediated Backfill (5D22005-01) Soil</b>									
<b>Chloride</b>	<b>219</b>	10.0	mg/kg	20	ED52606	04/25/05	04/25/05	EPA 300.0	
<b>% Moisture</b>	<b>8.1</b>	0.1	%	1	ED52501	04/22/05	04/25/05	% calculation	

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

Project: BD Vent C-4  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
04/27/05 11:41

**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 ED52212 - Solvent Extraction (GC)**

**Blank (ED52212-BLK1)**

Prepared: 04/22/05 Analyzed: 04/25/05

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	36.5		mg/kg	50.0		73.0	70-130			
Surrogate: 1-Chlorooctadecane	36.2		"	50.0		72.4	70-130			

**LCS (ED52212-BS1)**

Prepared: 04/22/05 Analyzed: 04/24/05

Gasoline Range Organics C6-C12	473	10.0	mg/kg wet	500		94.6	75-125			
Diesel Range Organics >C12-C35	514	10.0	"	500		103	75-125			
Total Hydrocarbon C6-C35	987	10.0	"	1000		98.7	75-125			
Surrogate: 1-Chlorooctane	38.2		mg/kg	50.0		76.4	70-130			
Surrogate: 1-Chlorooctadecane	35.8		"	50.0		71.6	70-130			

**Calibration Check (ED52212-CCV1)**

Prepared: 04/22/05 Analyzed: 04/24/05

Gasoline Range Organics C6-C12	434		mg/kg	500		86.8	80-120			
Diesel Range Organics >C12-C35	488		"	500		97.6	80-120			
Total Hydrocarbon C6-C35	922		"	1000		92.2	80-120			
Surrogate: 1-Chlorooctane	49.9		"	50.0		99.8	70-130			
Surrogate: 1-Chlorooctadecane	45.3		"	50.0		90.6	70-130			

**Matrix Spike (ED52212-MS1)**

Source: 5D22003-15

Prepared: 04/22/05 Analyzed: 04/25/05

Gasoline Range Organics C6-C12	480	10.0	mg/kg dry	541	31.7	82.9	75-125			
Diesel Range Organics >C12-C35	559	10.0	"	541	38.5	96.2	75-125			
Total Hydrocarbon C6-C35	1040	10.0	"	1080	70.2	89.8	75-125			
Surrogate: 1-Chlorooctane	55.7		mg/kg	50.0		111	70-130			
Surrogate: 1-Chlorooctadecane	49.7		"	50.0		99.4	70-130			

**Matrix Spike Dup (ED52212-MSD1)**

Source: 5D22003-15

Prepared: 04/22/05 Analyzed: 04/25/05

Gasoline Range Organics C6-C12	480	10.0	mg/kg dry	541	31.7	82.9	75-125	0.00	20	
Diesel Range Organics >C12-C35	547	10.0	"	541	38.5	94.0	75-125	2.17	20	
Total Hydrocarbon C6-C35	1030	10.0	"	1080	70.2	88.9	75-125	0.966	20	
Surrogate: 1-Chlorooctane	54.6		mg/kg	50.0		109	70-130			
Surrogate: 1-Chlorooctadecane	51.1		"	50.0		102	70-130			



Rice Operating Co. 122 W. Taylor Hobbs NM, 88240	Project: BD Vent C-4 Project Number: None Given Project Manager: Roy Rascon	Fax: (505) 397-1471  <b>Reported:</b> 04/27/05 11:41
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### 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 ED52501 - General Preparation (Prep)

##### Blank (ED52501-BLK1)

Prepared: 04/22/05 Analyzed: 04/25/05

% Moisture	ND	0.1	%
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##### Duplicate (ED52501-DUP1)

Source: 5D21010-01

Prepared: 04/22/05 Analyzed: 04/25/05

% Moisture	12.8	0.1	%	13.0	1.55	20
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#### Batch ED52606 - Water Extraction

##### Blank (ED52606-BLK1)

Prepared & Analyzed: 04/25/05

Chloride	ND	0.500	mg/kg
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##### LCS (ED52606-BS1)

Prepared & Analyzed: 04/25/05

Chloride	10.8	mg/L	10.0	108	80-120
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##### Calibration Check (ED52606-CCV1)

Prepared & Analyzed: 04/25/05

Chloride	10.3	mg/L	10.0	103	80-120
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##### Duplicate (ED52606-DUP1)

Source: 5D22004-01

Prepared & Analyzed: 04/25/05

Chloride	176	10.0	mg/kg	179	1.69	20
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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: BD Vent C-4  
Project Number: None Given  
Project Manager: Roy Rascon

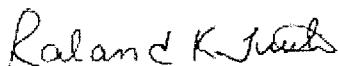
Fax: (505) 397-1471

Reported:  
04/27/05 11:41

### 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:



Date:

4/27/2005

Raland K. Tuttle, Lab Manager  
Celey D. Keene, Lab Director, Org. Tech Director  
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director  
James L. Hawkins, Chemist/Geologist  
Sandra Sanchez, Lab Tech.

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

12600 West I-20 East  
Odessa, Texas 79763  
Phone: 915-563-1800  
Fax: 915-563-1713

# CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: BD Vent C-4

Project #:

**Project Loc:**

我

Fax No: 505-397-1471

12/22/21

[illegible]



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

Client: Eice Operating  
 Date/Time: 4/22/05 11:30  
 Order #: 5D22005  
 Initials: CK

**Sample Receipt Checklist**

Temperature of container/cooler?	Yes	No	3.0	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 labels?	Yes	No		
Container labels legible and intact?	Yes	No		
Sample Matrix and procedures 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:

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**Variance Documentation:**

Contact Person: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_  
 Regarding: \_\_\_\_\_

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Corrective Action Taken:

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COPY

## Rice Operating Company

HOBBS, NEW MEXICO 88240

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

## VOC FIELD TEST REPORT FORM

20 x 15 x 12'

MODEL NO: PGM 76IS

CALIBRATION GAS

GAS COMPOSITION: ISOBUTYLENE AIR

SERIAL NO: 104412

100 PPM

BALANCE

FILL DATE: 7-7-04

ACCURACY:  $\pm 2\%$ 

LOT NO: 03-2475

EXP. DATE: 1-7-06

METER READING

ACCURACY: 100.5

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
BD	Vent C-4	C	4	22	37

All  
Composite  
samples

lab →

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Bottom Comp. @ 12'	43.7		
E. Wall Comp. @ 10'	1.3		
W. Wall Comp. @ 5'	2.7		
W. Wall Comp. @ 10'	2.7		
S. Wall Comp. @ 10'	1.8		
4 Wall Comp.	0.4		
Re-directed Backfill	468		

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

Signature

*Dr. J. J. J.*

Date

3-23-05

HOBBS, NEW MEXICO 88240  
PHONE: (505) 393-9174 FAX: (505) 397-1471  
VOC FIELD TEST REPORT FORM

COPY

MODEL NO: PGM 76IS  
CALIBRATION GAS  
GAS COMPOSITION: ISOBUTYLENE AIR

SERIAL NO: 104412

100 PPM

BALANCE

FILL DATE: 7-7-04

ACCURACY:  $\pm 2\%$

LOT NO: 03-2475

EXP. DATE: 1-7-06

METER READING

ACCURACY: 100.3

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
BD	Vent C-4	C	4	22	37

SAMPLE	PID RESULT	SAMPLE	PID RESULT
At Source 13'	5.3		
14'	6.7		
15'	6.2		
16'	4.2		
17'	4.5		
RTM Comp @ 12' H	8.7		

bottom  
composite

lab

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

Signature

*[Signature]*

Date

3/24/05



Rice Operating Company  
HOBBS, NEW MEXICO 88240  
PHONE: (505) 393-9174 FAX: (505) 397-1471  
VOC FIELD TEST REPORT FORM

COPY

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

SERIAL NO: 104412

100 PPM

BALANCE

FILL DATE: 7-7-08

ACCURACY:  $\pm 2\%$

LOT NO: 03-2475  
EXP. DATE: 1-7-06  
METER READING  
ACCURACY: 99.8

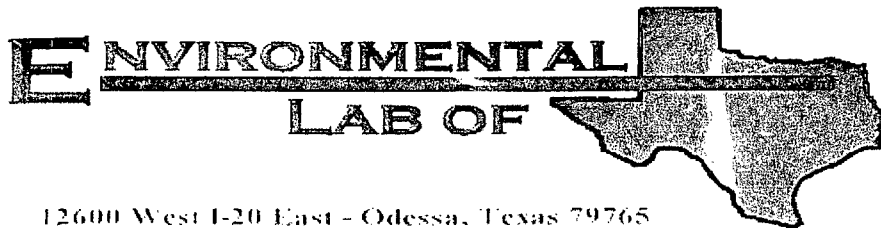
SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
BD	Vent C-4	C	4	22	37

SAMPLE	PID RESULT	SAMPLE	PID RESULT
lab → <del>Rev. Backfill</del>	<del>23.87</del>		

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

Signature *[Signature]*

Date 4/15/05



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: ~~BD Vent C-4~~

Project Number: None Given

Location: None Given

Lab Order Number: 5C28009

Report Date: 04/07/05

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

Project: BD Vent C-4  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
04/07/05 14:25

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
4 Wall Comp.	5C28009-01	Soil	03/23/05 08:46	03/28/05 15:33
Bottom Comp.	5C28009-02	Soil	03/24/05 11:15	03/28/05 15:33

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

Project: BD Vent C-4  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported: . . .  
04/07/05 14:25

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>4 Wall Comp. (5C28009-01) Soil</b>									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EC52903	03/29/05	03/31/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		91.2 %	67.6-140		"	"	"	"	
Surrogate: 1-Chlorooctadecane		124 %	70-130		"	"	"	"	
<b>Bottom Comp. (5C28009-02) Soil</b>									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EC52903	03/29/05	03/31/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		92.8 %	67.6-140		"	"	"	"	
Surrogate: 1-Chlorooctadecane		127 %	70-130		"	"	"	"	



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

Project: BD Vent C-4  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
04/07/05 14:25

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

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
4 Wall Comp. (5C28009-01) Soil									
Chloride	301	5.00	mg/kg	10	EC53104	03/30/05	03/30/05	EPA 300.0	
% Moisture	12.6	0.1	%	1	EC53015	03/29/05	03/30/05	% calculation	
Bottom Comp. (5C28009-02) Soil									
Chloride	344	5.00	mg/kg	10	EC53104	03/30/05	03/30/05	EPA 300.0	
% Moisture	15.7	0.1	%	1	EC53015	03/29/05	03/30/05	% calculation	

Environmental Lab of Texas

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

Page 3 of 6

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

Project: BD Vent C-4  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported: 04/07/05 14:25

**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 EC52903 - Solvent Extraction (GC)**

**Blank (EC52903-BLK1)**

Prepared: 03/29/05 Analyzed: 03/30/05

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	37.7		mg/kg	50.0		75.4	67.6-140			
Surrogate: 1-Chlorooctadecane	36.5		"	50.0		73.0	70-130			

**LCS (EC52903-BS1)**

Prepared: 03/29/05 Analyzed: 03/30/05

Gasoline Range Organics C6-C12	430	10.0	mg/kg wet	500		86.0	76.3-104			
Diesel Range Organics >C12-C35	518	10.0	"	500		104	76.1-118			
Total Hydrocarbon C6-C35	948	10.0	"	1000		94.8	81.8-105			
Surrogate: 1-Chlorooctane	37.7		mg/kg	50.0		75.4	67.6-140			
Surrogate: 1-Chlorooctadecane	44.8		"	50.0		89.6	70-130			

**Calibration Check (EC52903-CCV1)**

Prepared: 03/29/05 Analyzed: 03/30/05

Gasoline Range Organics C6-C12	433		mg/kg	500		86.6	80-120			
Diesel Range Organics >C12-C35	516		"	500		103	80-120			
Total Hydrocarbon C6-C35	949		"	1000		94.9	80-120			
Surrogate: 1-Chlorooctane	52.5		"	50.0		105	67.6-140			
Surrogate: 1-Chlorooctadecane	64.4		"	50.0		129	70-130			

**Matrix Spike (EC52903-MS1)**

Source: 5C28008-07

Prepared: 03/29/05 Analyzed: 03/30/05

Gasoline Range Organics C6-C12	511	10.0	mg/kg dry	543	ND	94.1	75.9-114			
Diesel Range Organics >C12-C35	631	10.0	"	543	57.2	106	85.3-122			
Total Hydrocarbon C6-C35	1140	10.0	"	1090	57.2	99.3	84.4-115			
Surrogate: 1-Chlorooctane	52.1		mg/kg	50.0		104	67.6-140			
Surrogate: 1-Chlorooctadecane	64.9		"	50.0		130	70-130			

**Matrix Spike Dup (EC52903-MSD1)**

Source: 5C28008-07

Prepared: 03/29/05 Analyzed: 03/30/05

Gasoline Range Organics C6-C12	488	10.0	mg/kg dry	543	ND	89.9	75.9-114	4.60	10.4	
Diesel Range Organics >C12-C35	619	10.0	"	543	57.2	103	85.3-122	1.92	10.4	
Total Hydrocarbon C6-C35	1110	10.0	"	1090	57.2	96.6	84.4-115	2.67	7.6	
Surrogate: 1-Chlorooctane	50.3		mg/kg	50.0		101	67.6-140			
Surrogate: 1-Chlorooctadecane	64.1		"	50.0		128	70-130			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 4 of 6

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

Project: BD Vent C-4  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
04/07/05 14:25

**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 EC53015 - General Preparation (Prep)**

**Blank (EC53015-BLK1)**

Prepared: 03/29/05 Analyzed: 03/30/05

% Moisture ND 0.1 %

**Duplicate (EC53015-DUP1)**

Source: 5C28009-01

Prepared: 03/29/05 Analyzed: 03/30/05

% Moisture 12.3 0.1 % 12.6 2.41 20

**Batch EC53104 - Water Extraction**

**Blank (EC53104-BLK1)**

Prepared & Analyzed: 03/30/05

Chloride ND 0.500 mg/kg

**LCS (EC53104-BS1)**

Prepared & Analyzed: 03/30/05

Chloride 10.4 mg/L 10.0 104 80-120

**Calibration Check (EC53104-CCV1)**

Prepared & Analyzed: 03/30/05

Chloride 10.5 mg/L 10.0 105 80-120

**Duplicate (EC53104-DUP1)**

Source: 5C30002-01

Prepared & Analyzed: 03/30/05

Chloride 13600 1000 mg/kg 13700 0.733 20

Environmental Lab of Texas

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Page 5 of 6

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

Project: BD Vent C-4  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
04/07/05 14:25

### 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:

4/7/2005

Raland K. Tuttle, Lab Manager  
Celey D. Keene, Lab Director, Org. Tech Director  
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director  
James L. Hawkins, Chemist/Geologist  
Sandra Sanchez, 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, Inc.**

**12800 West I-20 East  
Odessa, Texas 79763**

### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**Project Manager:** Roy Rascon

Project Name: BD Vent c-4

**Company Name** Rice Operating Company

**Project #:**

**Company Address:** 122 W Taylor

**Project Loc:**

City/State/Zip: Hobbs, NM 88240

PO#:

**Telephone No: 505-393-9174**

Fax No: 505-397-1471

**Sampler Signature:**

Wardlaw

[illegible]

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

Client: Pice operating  
 Date/Time: 3/22/05 3:30  
 Order #: SC28009  
 Initials: CH

**Sample Receipt Checklist**

Temperature of container/cooler?	Yes	No	-1.0 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	No	
Custody Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/> Yes	No	Not present
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/> 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	<input checked="" type="checkbox"/> 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?	Yes	<input checked="" type="checkbox"/> 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:

\* Sample date on COC 3/24/5 For 4wall Comp Label on container is 3/23/5

**Variance Documentation:**

Contact Person: - Roy Rascon Date/Time: 03-28-05 Contacted by: Jeanne McHany  
 Regarding:

Correct sample date

**Corrective Action Taken:**

sample date 3/23/5 as per attached email 3-28-5



**Jeanne McMurrey**

---

**From:** "Roy Rascon" <rroyriceswd@leaco.net>  
**To:** "Jeanne McMurrey" <jeanne@elabtexas.com>  
**Sent:** Tuesday, March 29, 2005 9:00 AM  
**Subject:** BD Vent C-4 COC label and sample label dates

Hi Jeanne,

In reference to the COC label date and the sample label date please use the sample label date 03-23-05. I did contact our Environ. Tech. on this matter and he did verify the sampling date. Thanks for bringing this to my attention, and we will try to prevent this from happening again. Thank you very much.

Roy R. Rascon  
RICE Operating Company  
122 W. Taylor  
Hobbs, NM 88240  
505-393-9174

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This message has been scanned for viruses and dangerous content by MailScanner at [BasinBroadBand.com](http://BasinBroadBand.com), and is believed to be clean.

3/29/2005

# BD C-4 vent

T22S, R37E

10 ft WEST of junction

Depth bgs (ft)	[Cl] ppm
11	728
12	874
13	1147
14	487
15	424
16	133
17	98

Groundwater = 92 ft

