

1R - 426-114

## REPORTS

DATE:

12/16/2005

BD Jct L-33

1R0426-119

# Final Report

**RICE OPERATING COMPANY  
JUNCTION BOX FINAL REPORT**

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
BD	jct. L-33	L	33	21S	37E	Lea	Length	Width	Depth
							no box (eliminated)		

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

Depth to Groundwater 93 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 3/23/2005 Date Completed 7/11/2005 NMOCD Witness no

Soil Excavated 67 cubic yards Excavation Length 10 Width 15 Depth 12 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 4/12/2005, 6/22/2005 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 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.	79.1	77.3	486	231
BOTTOM COMP.	78.4	155	907	276
REMEDI. BACKFILL	XXX	14.5	720	151

LOCATION	DEPTH (ft)	ppm
background	0.25	92
vertical trench at junction	4	98
	5	82
	6	112
	7	172
	8	99
	9	138
	10	140
	11	160
	12	257
5 ft SOUTH of junction	5	160
	6	119
	7	97
	8	103
	9	116
	10	75
	11	95
	12	107
	13	69
4-wall comp.	n/a	209
bottom comp.	12	201
backfill comp.	n/a	150

General Description of Remedial Action: This junction has been eliminated during the pipeline replacement program. The former junction box site was delineated using a backhoe while PID screenings and chloride field tests were performed on soil samples at regular intervals. Several delineation trenches were excavated to 12 ft BGS to collect soil samples and one trench at 5 ft South of the junction, was extended to 13 ft BGS. Chloride concentrations were very low throughout the 10 x 15 x 12 ft deep excavation, although field indications suggested hydrocarbon impact. The excavated soils were blended on site for about 2 months to degrade hydrocarbon in the soils before backfilling. On 7/11/05 the spoils were backfilled into the excavation. An identification plate has been placed on the surface of this site to mark the location of the former box and to aid in identifying this site for further environmental considerations. NMOCD was notified of potential groundwater impact at this location but further excavation and soil remediation warrants a closure of this file. Remaining TPH will naturally attenuate.

enclosures: photos, lab results, PID field screenings, 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 not available COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 12/16/2005 TITLE Project Scientist

# BD jct. L-33

Unit 'L', Sec. 33, T21S, R37E

junction box delineation  
and excavation



former junction box prior to excavation 7/28/2003



box removed, pipeline exposed with vent 8/30/2003



delineation and excavation at former box site 3/23/2005



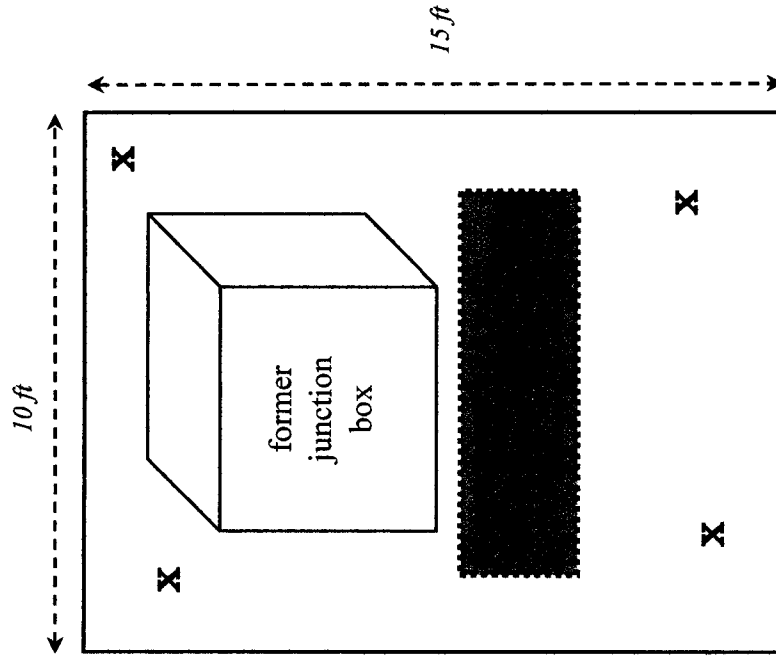
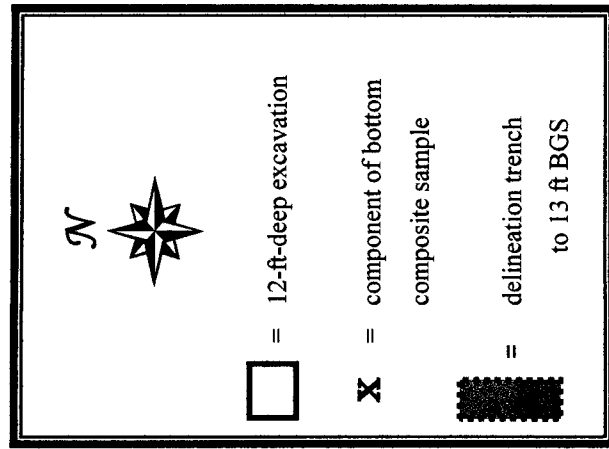
final 15 x 10 x 12-ft-deep excavation 4/12/2005

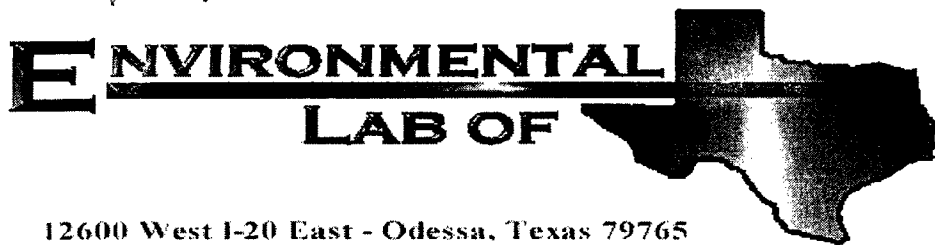


backfilled excavation with ID plate at site of former box

# BD jct. L-33

15 x 10 x 12 ft Excavation Plan View





Final remediated  
backfill (after  
(and farming))

COPY

## Analytical Report

**Prepared for:**

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

Project: BD Jct. L-33  
Project Number: None Given  
Location: None Given

Lab Order Number: 5F23006

Report Date: 06/27/05

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

Project: BD Jct. L-33  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471  
Reported:  
06/27/05 13:04

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Backfill 5pt Composite	5F23006-01	Soil	06/22/05 14:20	06/23/05 15:00

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

Project: BD Jct. L-33  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
06/27/05 13:04

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Backfill 5pt Composite (5F23006-01) Soil</b>									
<b>Gasoline Range Organics C6-C12</b>	<b>14.5</b>	10.0	mg/kg dry	1	EF52415	06/24/05	06/25/05	EPA 8015M	
<b>Diesel Range Organics &gt;C12-C35</b>	<b>720</b>	10.0	"	"	"	"	"	"	
<b>Total Hydrocarbon C6-C35</b>	<b>734</b>	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		75.0 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		88.8 %	70-130		"	"	"	"	

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

Project: BD Jct. L-33  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471  
Reported:  
06/27/05 13:04

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Backfill 5pt Composite (5F23006-01) Soil</b>									
% Moisture	2.2	0.1	%	1	EF52701	06/24/05	06/27/05	% calculation	

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

Project: BD Jct. L-33  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471  
Reported:  
06/27/05 13:04

**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 EF52415 - Solvent Extraction (GC)**

**Blank (EF52415-BLK1)**

Prepared: 06/24/05 Analyzed: 06/25/05

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	38.6		mg/kg	50.0		77.2	70-130			
Surrogate: 1-Chlorooctadecane	39.4		"	50.0		78.8	70-130			

**LCS (EF52415-BS1)**

Prepared: 06/24/05 Analyzed: 06/25/05

Gasoline Range Organics C6-C12	425	10.0	mg/kg wet	500		85.0	75-125			
Diesel Range Organics >C12-C35	588	10.0	"	500		118	75-125			
Total Hydrocarbon C6-C35	1010	10.0	"	1000		101	75-125			
Surrogate: 1-Chlorooctane	46.9		mg/kg	50.0		93.8	70-130			
Surrogate: 1-Chlorooctadecane	42.9		"	50.0		85.8	70-130			

**Calibration Check (EF52415-CCV1)**

Prepared: 06/24/05 Analyzed: 06/25/05

Gasoline Range Organics C6-C12	458		mg/kg	500		91.6	80-120			
Diesel Range Organics >C12-C35	560		"	500		112	80-120			
Total Hydrocarbon C6-C35	1020		"	1000		102	80-120			
Surrogate: 1-Chlorooctane	63.1		"	50.0		126	70-130			
Surrogate: 1-Chlorooctadecane	64.2		"	50.0		128	70-130			

**Matrix Spike (EF52415-MS1)**

Source: 5F23005-01

Prepared: 06/24/05 Analyzed: 06/25/05

Gasoline Range Organics C6-C12	445	10.0	mg/kg dry	524	ND	84.9	75-125			
Diesel Range Organics >C12-C35	525	10.0	"	524	ND	100	75-125			
Total Hydrocarbon C6-C35	969	10.0	"	1050	ND	92.3	75-125			
Surrogate: 1-Chlorooctane	51.3		mg/kg	50.0		103	70-130			
Surrogate: 1-Chlorooctadecane	45.3		"	50.0		90.6	70-130			

**Matrix Spike Dup (EF52415-MSD1)**

Source: 5F23005-01

Prepared: 06/24/05 Analyzed: 06/25/05

Gasoline Range Organics C6-C12	441	10.0	mg/kg dry	524	ND	84.2	75-125	0.903	20	
Diesel Range Organics >C12-C35	530	10.0	"	524	ND	101	75-125	0.948	20	
Total Hydrocarbon C6-C35	972	10.0	"	1050	ND	92.6	75-125	0.309	20	
Surrogate: 1-Chlorooctane	50.9		mg/kg	50.0		102	70-130			
Surrogate: 1-Chlorooctadecane	45.5		"	50.0		91.0	70-130			

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

Project: BD Jct. L-33  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471  
Reported:  
06/27/05 13:04

**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 EF52701 - General Preparation (Prep)**

**Blank (EF52701-BLK1)**

Prepared: 06/24/05 Analyzed: 06/27/05

% Moisture	ND	0.1	%
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**Duplicate (EF52701-DUP1)**

Source: 5F23005-01

Prepared: 06/24/05 Analyzed: 06/27/05

% Moisture	5.2	0.1	%	4.5	14.4	20
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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: BD Jct. L-33  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

**Reported:**  
06/27/05 13:04

### 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: 6-27-05

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.

**12600 West I-20 East  
Odessa, Texas 79763**

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**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:**

[illegible]

# Environmental Lab of Texas

## Variance / Corrective Action Report – Sample Log-In

Client: Rice Op.

Date/Time: 6/23/05

Order #: SF23006

Initials: OK

### Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	1.5	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	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:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

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

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

100 PPM  
 BALANCE  
 FILL DATE: 7-7-04  
 ACCURACY: ± 2%

SYSTEM	JUNCION	UNIT	SECTION	TOWNSHIP	RANGE
BD	1-33	L	33	21	37

SAMPLE	PID RESULT	SAMPLE	PID RESULT
5' North of Source 9'	4.3		
10'	28.0		
11'	4.9		
12'	2.6		
N Well Comp.	3.3		
S Well Comp.	19.2		
E Well Comp.	6.4		
W Well Comp.	88.4		
4 Well Comp.	79.1		
Bottoms Comp.	78.4		
Rem. Backfill	58.9		

All  
 composite  
 samples  
 from final  
 0 x 15 x 12 ft  
 excavation

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

Signature Israffury

Date 4-12-05