

1R - 426-126

# REPORTS

DATE:

2006

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BD 219 "M" EOL

IR-426-126

# FINAL REPORT

RECEIVED

APP - 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		
							Length	Width	Depth
BD	Zia 'M' EOL	I	18	22S	37E	Lea	8	9	6

LAND TYPE: BLM \_\_\_\_\_ STATE X FEE LANDOWNER \_\_\_\_\_ OTHER \_\_\_\_\_

Depth to Groundwater 127 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 9/22/2005 Date Completed 2/28/2006 NMOCD Witness no

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

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

**FINAL ANALYTICAL RESULTS:** Sample Date 9/22/2005 Sample Depth 13 ft

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
GRAB @ 13 ft BGS	0.1	136	2010	684

LOCATION	DEPTH (ft)	ppm
vertical delineation trench at junction	5	493
	6	320
	7	286
	8	112
	9	382
	10	299
	11	385
	12	372
	13	423

**General Description of Remedial Action:**

This junction box site was upgraded

with the pipeline replacement program. After the box was removed, a delineation trench was made at the junction using a backhoe while soil samples were collected at regular intervals to

13 ft BGS. Chloride field tests were conducted on all of the samples and yielded relatively low

concentrations that generally declined with depth. PID screenings were also conducted in the field and the deepest sample (13 ft) yielded 0.1 ppm.

The 13-ft sample was analyzed at a laboratory as confirmation of the field tests. TPH concentrations met NMOCD guidelines. The excavated soil was

blended on site and then backfilled into the excavation and leveled to the surrounding terrain. A new watertight junction box has been built at this junction.

These activities are not threatening to groundwater, human health, or the environment.

enclosures: photos, lab results, PID field screenings

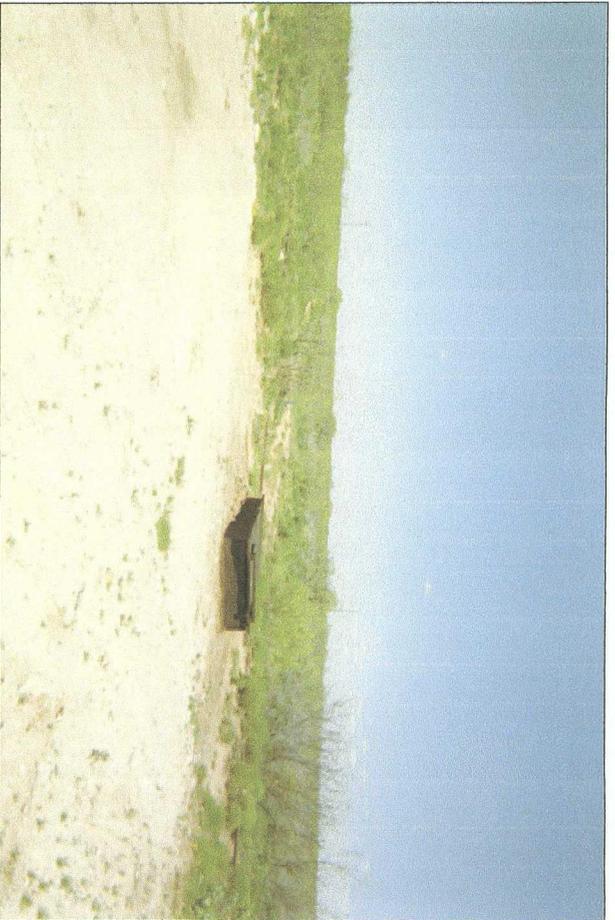
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SITE SUPERVISOR Roy Rascon SIGNATURE *Roy Rascon* COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE *Kristin Farris Pope*

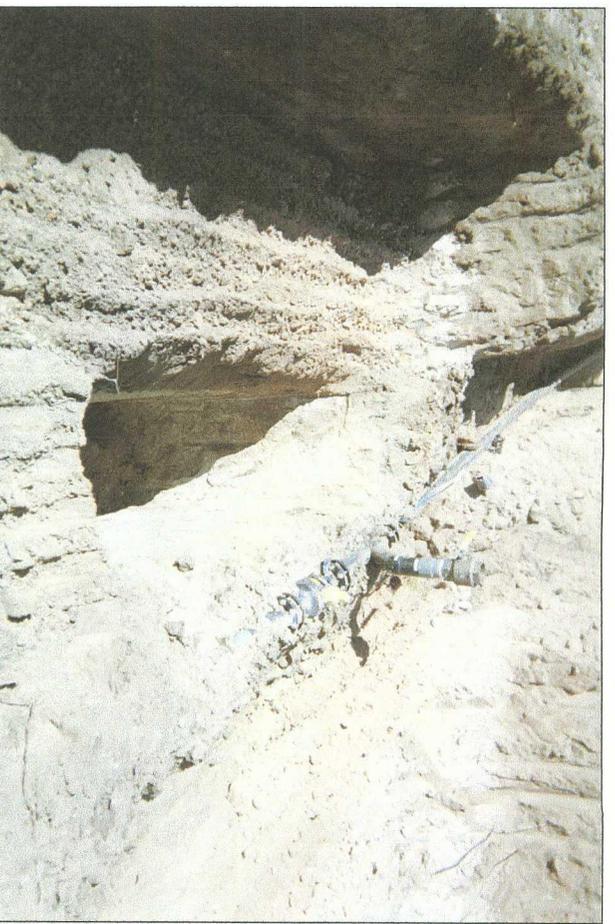
DATE 4/11/2006 TITLE Project Scientist

# BD Zia 'M' EOL



undisturbed junction box

4/25/2005



delineation trench at junction to 13 ft BGS

9/22/2005



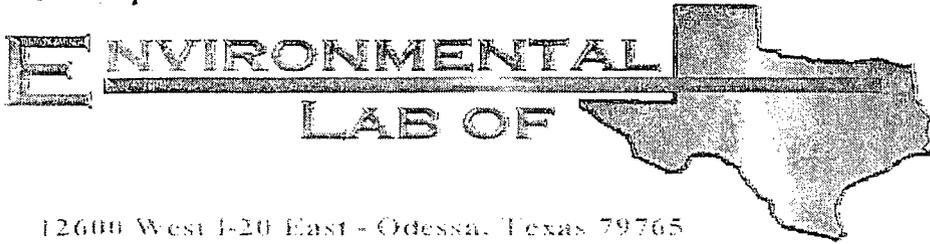
backfilling hole; preparing for new junction box

2/282/006



floor of new junction box with poly liner

3/20/2006



12600 West I-20 East - Odessa, Texas 79765

## Analytical Report

Prepared for:

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

COPY

Project: BD ZIA M EOL  
Project Number: None Given  
Location: None Given

Lab Order Number: 5I26002

Report Date: 10/05/05

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

Project: BD ZIA M EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
10/05/05 15:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Vert. @ 13'	5126002-01	Soil	09/22/05 12:29	09/23/05 17:45

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

Project: BD ZIA M EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
10/05/05 15:49

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Vert.@ 13' (5126002-01) Soil</b>									
Gasoline Range Organics C6-C12	136	10.0	mg/kg dry	1	E152710	09/27/05	09/27/05	EPA 8015M	
Diesel Range Organics >C12-C35	2010	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	2150	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		91.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		98.6 %	70-130		"	"	"	"	

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

Project: BD ZIA M EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
10/05/05 15:49

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vert.@ 13' (5126002-01) Soil									
Chloride	684	10.0	mg/kg	20	E152902	09/28/05	09/28/05	EPA 300.0	
% Moisture	14.3	0.1	%	1	E152805	09/28/05	09/28/05	% calculation	

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

Project: BD ZIA MEOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
10/05/05 15:49

**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 EI52710 - Solvent Extraction (GC)**

**Blank (EI52710-BLK1)**

Prepared & Analyzed: 09/27/05

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	45.1		mg/kg	50.0		90.2	70-130			
Surrogate: 1-Chlorooctadecane	36.4		"	50.0		72.8	70-130			

**LCS (EI52710-BS1)**

Prepared & Analyzed: 09/27/05

Gasoline Range Organics C6-C12	412	10.0	mg/kg wet	500		82.4	75-125			
Diesel Range Organics >C12-C35	403	10.0	"	500		80.6	75-125			
Total Hydrocarbon C6-C35	815	10.0	"	1000		81.5	75-125			
Surrogate: 1-Chlorooctane	43.6		mg/kg	50.0		87.2	70-130			
Surrogate: 1-Chlorooctadecane	38.1		"	50.0		76.2	70-130			

**Calibration Check (EI52710-CCV1)**

Prepared: 09/27/05 Analyzed: 09/28/05

Gasoline Range Organics C6-C12	401		mg/kg	500		80.2	80-120			
Diesel Range Organics >C12-C35	406		"	500		81.2	80-120			
Total Hydrocarbon C6-C35	807		"	1000		80.7	80-120			
Surrogate: 1-Chlorooctane	46.6		"	50.0		93.2	0-200			
Surrogate: 1-Chlorooctadecane	45.9		"	50.0		91.8	0-200			

**Matrix Spike (EI52710-MS1)**

Source: 5126001-01

Prepared & Analyzed: 09/27/05

Gasoline Range Organics C6-C12	463	10.0	mg/kg dry	571	ND	81.1	75-125			
Diesel Range Organics >C12-C35	492	10.0	"	571	ND	86.2	75-125			
Total Hydrocarbon C6-C35	955	10.0	"	1140	ND	83.8	75-125			
Surrogate: 1-Chlorooctane	47.6		mg/kg	50.0		95.2	70-130			
Surrogate: 1-Chlorooctadecane	40.1		"	50.0		80.2	70-130			

**Matrix Spike Dup (EI52710-MSD1)**

Source: 5126001-01

Prepared & Analyzed: 09/27/05

Gasoline Range Organics C6-C12	465	10.0	mg/kg dry	571	ND	81.4	75-125	0.431	20	
Diesel Range Organics >C12-C35	484	10.0	"	571	ND	84.8	75-125	1.64	20	
Total Hydrocarbon C6-C35	949	10.0	"	1140	ND	83.2	75-125	0.630	20	
Surrogate: 1-Chlorooctane	46.9		mg/kg	50.0		93.8	70-130			
Surrogate: 1-Chlorooctadecane	39.4		"	50.0		78.8	70-130			

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

Project: BD ZIA M EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
10/05/05 15:49

**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 EI52805 - General Preparation (Pren)**

<b>Blank (EI52805-BLK1)</b>				Prepared & Analyzed: 09/28/05						
% Solids	100		%							
<b>Duplicate (EI52805-DUP1)</b>				Source: 5I26007-01 Prepared & Analyzed: 09/28/05						
% Solids	99.7		%		99.7			0.00	20	
<b>Duplicate (EI52805-DUP2)</b>				Source: 5I23015-03 Prepared & Analyzed: 09/28/05						
% Solids	89.1		%		87.3			2.04	20	
<b>Duplicate (EI52805-DUP3)</b>				Source: 5I27006-01 Prepared & Analyzed: 09/28/05						
% Solids	98.0		%		98.2			0.204	20	
<b>Duplicate (EI52805-DUP5)</b>				Source: 5I27012-03 Prepared & Analyzed: 09/28/05						
% Solids	90.8		%		90.4			0.442	20	
<b>Duplicate (EI52805-DUP6)</b>				Source: 5I27013-09 Prepared & Analyzed: 09/28/05						
% Solids	92.1		%		92.5			0.433	20	

**Batch EI52902 - Water Extraction**

<b>Blank (EI52902-BLK1)</b>				Prepared & Analyzed: 09/28/05						
Chloride	ND	0.500	mg/kg							
<b>Blank (EI52902-BLK2)</b>				Prepared & Analyzed: 09/28/05						
Chloride	ND	0.500	mg/kg							
<b>LCS (EI52902-BS1)</b>				Prepared & Analyzed: 09/28/05						
Chloride	8.18		mg/L	10.0		81.8	80-120			

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

Project: BD ZIA M EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
10/05/05 15:49

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>Batch EI52902 - Water Extraction</b>									
<b>LCS (EI52902-BS2)</b>									
Chloride	8.69		mg/L	10.0		86.9 80-120			Prepared & Analyzed: 09/28/05
<b>Calibration Check (EI52902-CCV1)</b>									
Chloride	8.47		mg/L	10.0		84.7 80-120			Prepared & Analyzed: 09/28/05
<b>Calibration Check (EI52902-CCV2)</b>									
Chloride	8.61		mg/L	10.0		86.1 80-120			Prepared & Analyzed: 09/28/05
<b>Duplicate (EI52902-DUP1)</b>									
Chloride	6860	100	mg/kg		7100		3.44	20	Source: 5I24001-03 Prepared & Analyzed: 09/28/05
<b>Duplicate (EI52902-DUP2)</b>									
Chloride	87.2	5.00	mg/kg		86.8		0.460	20	Source: 5I27012-03 Prepared & Analyzed: 09/28/05

**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: *Sandra Mc Murrey* Date: 10-05-05

Raland K. Tuttle, Lab Manager	Jeanne Mc Murrey, Inorg. Tech Director
Celey D. Keene, Lab Director, Org. Tech Director	LaTasha Cornish, Chemist
Peggy Allen, QA Officer	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

Date/Time: 9/23/05 17:45

Order #: SI20002

Initials: OK

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:

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Variance Documentation:

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

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Corrective Action Taken

