

1R - 426-115

REPORTS

DATE:

5/23/2005

BD Jct D-4

1R0 926-115

**FINAL
REPORT**

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
BD	D-4	D	4	22S	37E	Lea	no box-junction eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Priscilla West OTHER _____

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

Date Started 3/11/2005 Date Completed 4/1/2005 NMOCD Witness no

Soil Excavated 178 cubic yards Excavation Length 20 Width 20 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 3/14/2005 Sample Depth 12 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.	6.5	<10.0	<10.0	28.3
BOTTOM COMP.	2.4	<10.0	<10.0	35.1
REMED. BACKFILL	4.8	<10.0	<10.0	77.2

LOCATION	DEPTH (ft)	ppm
10 ft SOUTH of junction	3	365
	4	329
	5	211
	6	121
	7	107
	8	116
	9	103
	10	74
	11	105
	12	132
4-wall comp.	n/a	84
bottom comp.	12	218
remed. comp.	n/a	318

General Description of Remedial Action: This junction was eliminated as part of the pipeline replacement program. The PVC pipeline was replaced with a new poly pipeline and the box lumber was removed. The former box site was delineated using a backhoe while PID screenings and chloride field tests were performed at regular intervals, producing a 20 x 20 x 12-ft-deep excavation. PID readings were very low and lab results on the final excavation samples yielded non-detect (<10.0 ppm) TPH concentrations. Chloride concentrations from the final excavation were similar to background level. The excavated soil was blended on site and then backfilled back in to the excavation. The disturbed surface was seeded with a blend of native vegetation on 5/9/2005 and is expected to return to productive capacity at a normal rate.

enclosures: chloride graph, photos, lab results, PID field screenings, excavation 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 5/23/2005 TITLE Project Scientist

BD jct. D-4

unit 'D', sec. 4, T22S, R37E



undisturbed junction box

2/22/2004



box removed; beginning delineation

3/11/2005



backfilling 20 x 20 x 12-ft excavation

4/1/2005

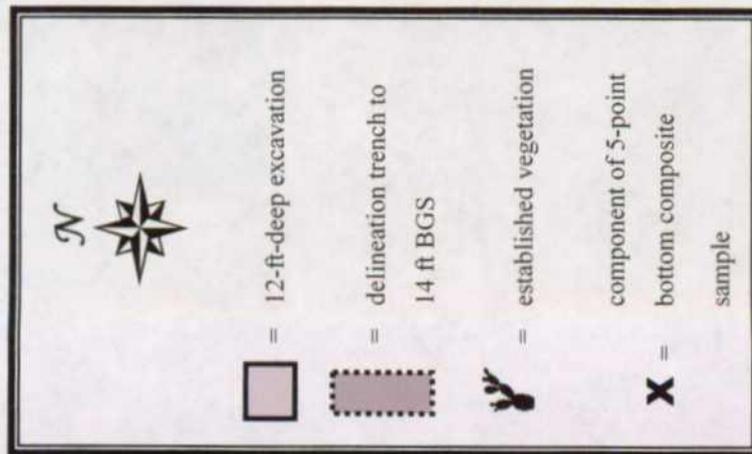


seeding backfilled surface

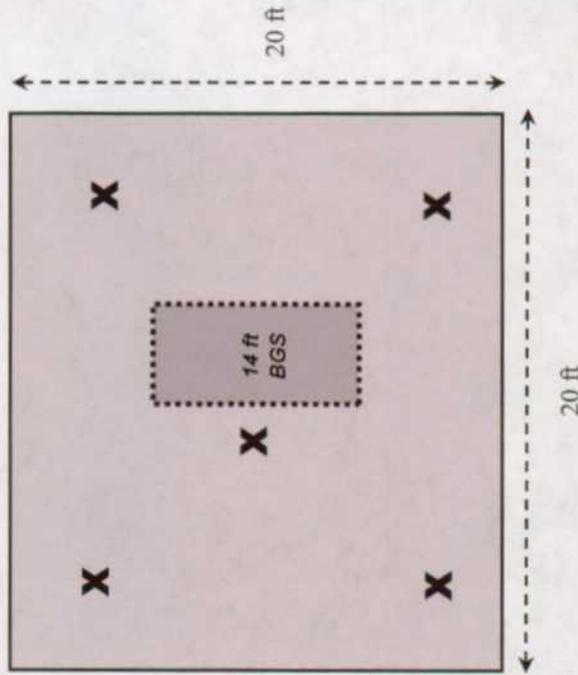
5/9/2005

BD jct. D-4

20 x 20 x 12 ft Excavation Plan View



L E A S E R O A D

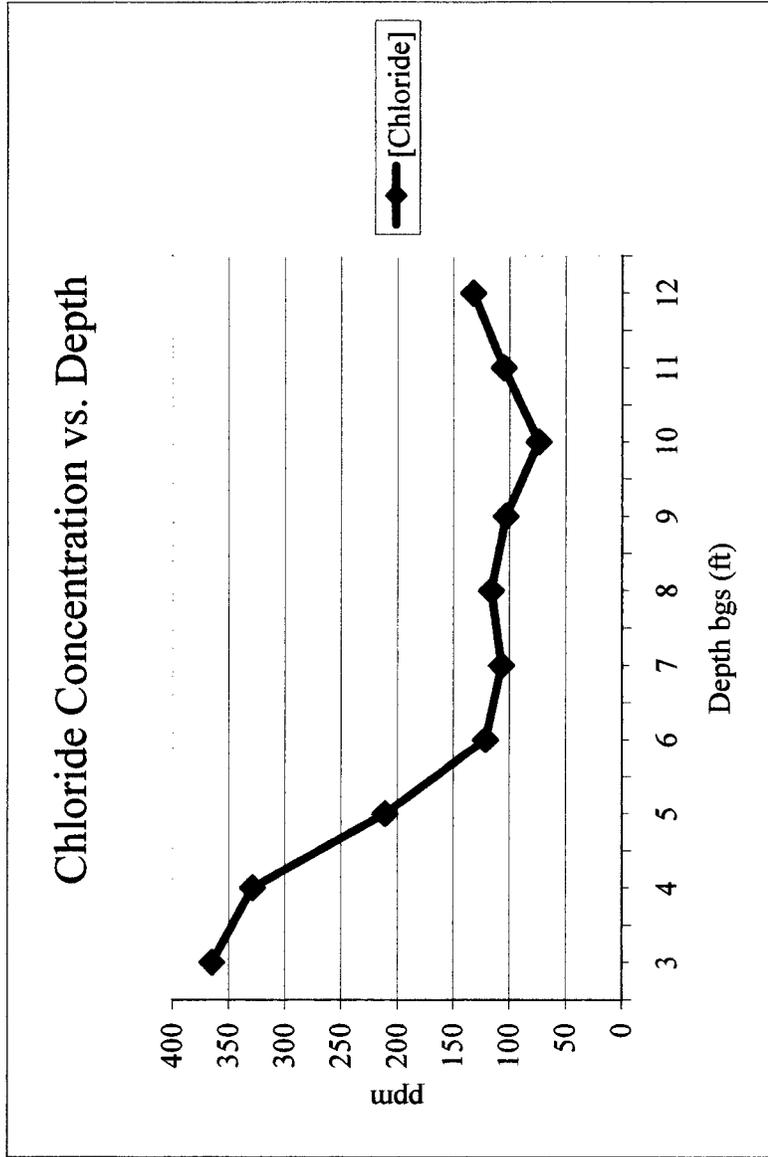


BD jct. D-4
unit 'D', sec. 4, T22S, R37E

10 ft SOUTH of junction

Depth bgs (ft)	[Cl ⁻] ppm
3	365
4	329
5	211
6	121
7	107
8	116
9	103
10	74
11	105
12	132

Groundwater = 93 ft





12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Roy Rascon

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: BDTct. D-4

Project Number: None Given

Location: None Given

Lab Order Number: 5C17015

Report Date: 03/23/05

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

Project: BD Jct. D-4
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
03/23/05 12:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Comp. 12'	5C17015-01	Soil	03/14/05 14:43	03/17/05 16:40
4 Wall Comp.	5C17015-02	Soil	03/14/05 15:05	03/17/05 16:40
Rem. Backfill	5C17015-03	Soil	03/14/05 15:15	03/17/05 16:40

Remed. backfill

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

Project: BD Jct. D-4
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
03/23/05 12:16

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom Comp. (5C17015-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EC51716	03/17/05	03/19/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		86.4 %		67.6-140	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		88.0 %		70-130	"	"	"	"	
4 Wall Comp. (5C17015-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EC51716	03/17/05	03/19/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		85.0 %		67.6-140	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		91.0 %		70-130	"	"	"	"	
Rem. Backfill (5C17015-03) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EC51716	03/17/05	03/19/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		82.8 %		67.6-140	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		94.4 %		70-130	"	"	"	"	

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Hobbs NM. 88240

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Reported:
03/23/05 12:16

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom Comp. (5C17015-01) Soil									
Chloride	35.1	5.00	mg/kg	10	EC52217	03/19/05	03/19/05	EPA 300.0	
% Moisture	25.1	0.1	%	1	EC51810	03/18/05	03/21/05	% calculation	
4 Wall Comp. (5C17015-02) Soil									
Chloride	28.3	5.00	mg/kg	10	EC52217	03/19/05	03/19/05	EPA 300.0	
% Moisture	16.8	0.1	%	1	EC51810	03/18/05	03/21/05	% calculation	
Rem. Backfill (5C17015-03) Soil									
Chloride	77.2	5.00	mg/kg	10	EC52217	03/19/05	03/19/05	EPA 300.0	
% Moisture	17.0	0.1	%	1	EC51810	03/18/05	03/21/05	% calculation	

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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 EC51716 - Solvent Extraction (GC)

Blank (EC51716-BLK1)

Prepared: 03/17/05 Analyzed: 03/18/05

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	38.9		mg/kg	50.0		77.8	67.6-140			
Surrogate: 1-Chlorooctadecane	45.6		"	50.0		91.2	70-130			

LCS (EC51716-BS1)

Prepared: 03/17/05 Analyzed: 03/18/05

Gasoline Range Organics C6-C12	448	10.0	mg/kg wet	500		89.6	76.3-104			
Diesel Range Organics >C12-C35	504	10.0	"	500		101	76.1-118			
Total Hydrocarbon C6-C35	952	10.0	"	1000		95.2	81.8-105			
Surrogate: 1-Chlorooctane	48.5		mg/kg	50.0		97.0	67.6-140			
Surrogate: 1-Chlorooctadecane	48.6		"	50.0		97.2	70-130			

Calibration Check (EC51716-CCV1)

Prepared: 03/17/05 Analyzed: 03/18/05

Gasoline Range Organics C6-C12	479		mg/kg	500		95.8	80-120			
Diesel Range Organics >C12-C35	487		"	500		97.4	80-120			
Total Hydrocarbon C6-C35	966		"	1000		96.6	80-120			
Surrogate: 1-Chlorooctane	50.1		"	50.0		100	67.6-140			
Surrogate: 1-Chlorooctadecane	53.9		"	50.0		108	70-130			

Matrix Spike (EC51716-MS1)

Source: 5C17012-01

Prepared: 03/17/05 Analyzed: 03/18/05

Gasoline Range Organics C6-C12	566	10.0	mg/kg dry	569	ND	99.5	75.9-114			
Diesel Range Organics >C12-C35	627	10.0	"	569	31.1	105	85.3-122			
Total Hydrocarbon C6-C35	1190	10.0	"	1140	31.1	102	84.4-115			
Surrogate: 1-Chlorooctane	51.6		mg/kg	50.0		103	67.6-140			
Surrogate: 1-Chlorooctadecane	51.8		"	50.0		104	70-130			

Matrix Spike Dup (EC51716-MSD1)

Source: 5C17012-01

Prepared: 03/17/05 Analyzed: 03/19/05

Gasoline Range Organics C6-C12	539	10.0	mg/kg dry	569	ND	94.7	75.9-114	4.89	10.4	
Diesel Range Organics >C12-C35	619	10.0	"	569	31.1	103	85.3-122	1.28	10.4	
Total Hydrocarbon C6-C35	1160	10.0	"	1140	31.1	99.0	84.4-115	2.55	7.6	
Surrogate: 1-Chlorooctane	50.5		mg/kg	50.0		101	67.6-140			
Surrogate: 1-Chlorooctadecane	49.3		"	50.0		98.6	70-130			

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Reported:
03/23/05 12:16

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
Batch EC51810 - General Preparation (Prep)										
Blank (EC51810-BLK1) Prepared: 03/18/05 Analyzed: 03/21/05										
% Moisture	ND	0.1	%							
Duplicate (EC51810-DUP1) Source: 5C17012-01 Prepared: 03/18/05 Analyzed: 03/21/05										
% Solids	92.3		%		87.8			5.00	20	
Batch EC52217 - Water Extraction										
Blank (EC52217-BLK1) Prepared & Analyzed: 03/19/05										
Chloride	ND	0.500	mg/kg							
LCS (EC52217-BS1) Prepared & Analyzed: 03/19/05										
Chloride	10.6		mg/L	10.0		106	80-120			
Calibration Check (EC52217-CCV1) Prepared & Analyzed: 03/19/05										
Chloride	10.0		mg/L	10.0		100	80-120			
Duplicate (EC52217-DUP1) Source: 5C17010-21 Prepared & Analyzed: 03/19/05										
Chloride	21.0	5.00	mg/kg		23.1			9.52	20	

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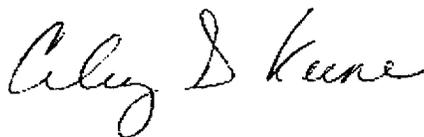
Fax: (505) 397-1471

Reported:
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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:

3/23/2005

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.

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

Client: Rice Operating Co

Date/Time: 03-17-05 @ 1640

Order #: 5017015

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	-1.5	C
Shipping container/cooler in good condition?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Custody Seals intact on shipping container/cooler?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not present	
Custody Seals intact on sample bottles?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not present	
Chain of custody present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Sample Instructions complete on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Chain of Custody signed when relinquished and received?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Chain of custody agrees with sample label(s)	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Container labels legible and intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Sample Matrix and properties same as on chain of custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Samples in proper container/bottle?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Samples properly preserved?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Sample bottles intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Preservations documented on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Containers documented on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Sufficient sample amount for indicated test?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
All samples received within sufficient hold time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
VOC samples have zero headspace?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not Applicable	

Other observations:

Variance Documentation:

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

Regarding:

Corrective Action Taken:
