

1R - 426-106

REPORTS

DATE:

11/16/2004

BD P-26-1 Vent

1R0426-106

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
BD	P-26-1 vent	P	26	21S	37E	Lea	moved 20 ft north		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Delrose Scott OTHER _____
 Depth to Groundwater 40 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20
 Date Started 6/28/2004 Date Completed 7/15/2004 NMOCD Witness no
 Soil Excavated 389 cubic yards Excavation Length 35 Width 25 Depth 12 feet
 Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a

FINAL ANALYTICAL RESULTS: Sample Date 7/9/2004 Sample Depth 12

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.	6.6	<10.0	<10.0	2190
BOTTOM COMP.	6.0	<10.0	<10.0	1570
REMED. BACKFILL	24.5	66.4	995	1510

LOCATION	DEPTH (ft)	ppm
vertical at junction	8	1668
	9	2201
	10	1159
	11	1286
	12	1598
20 ft east of junction	4	1793
	6	2382
	8	1464
	10	2088
	12	2639
25 ft west of junction	4	597
	6	310
	8	546
	10	1741
	12	4002
4-wall comp.	n/a	2160
bottom comp.	12	1683
backfill	n/a	1349

General Description of Remedial Action: This junction box contained a vent and was located just north of a busy lease road. The pipeline was replaced with 4-in. poly and the junction was moved about 20 ft north of its former location. The old junction was delineated using a backhoe while chloride field tests and PID screenings were conducted at regular intervals. Chloride concentrations were elevated and consistent with depth and breadth throughout the 25 x 35 x 12-ft-deep excavation. Additional delineation trenches were made to further characterize chloride impact to the north and east of the excavation (see diagram) but concentrations did not relent. Elevated PID readings were relatively isolated just under the box and significantly declined with depth. The bottom and wall composite samples were well below NMOCD TPH guideline concentrations, however, guidelines were not met on the backfill sample. The excavated soils were blended and backfilled into the excavation up to 6 ft BGS. At 6 ft, a 1-ft-thick compacted clay barrier was installed to inhibit further downward migration of chloride. The remaining spoils were backfilled on top of the clay. An identification plate was placed on the surface to mark the location of the clay below and for future environmental considerations at this site. A new watertight junction box will be built 20 ft north of this site. NMOCD has been notified of potential groundwater impact at this site.

ADDITIONAL EVALUATION IS HIGH PRIORITY

enclosures: chloride graphs, photos, lab results, PID screenings, clay test, cross-section, plan view

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

SITE SUPERVISOR Joe Gatts SIGNATURE *Joe Gatts* COMPANY RICE Operating Company
 REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE *Kristin Farris Pope*
 DATE 11/16/2004 TITLE Project Scientist

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

BD P-26-1 vent

unit 'P', Sec. 26, T21S, R37E



junction box during NORM decontamination & survey
(looking north) 8/20/2003



delineation & excavation 15 ft west of junction 6/30/2004



delineation trench at junction

6/29/2004



backfilling final excavation

7/12/2004



testing compacted clay

7/14/2004

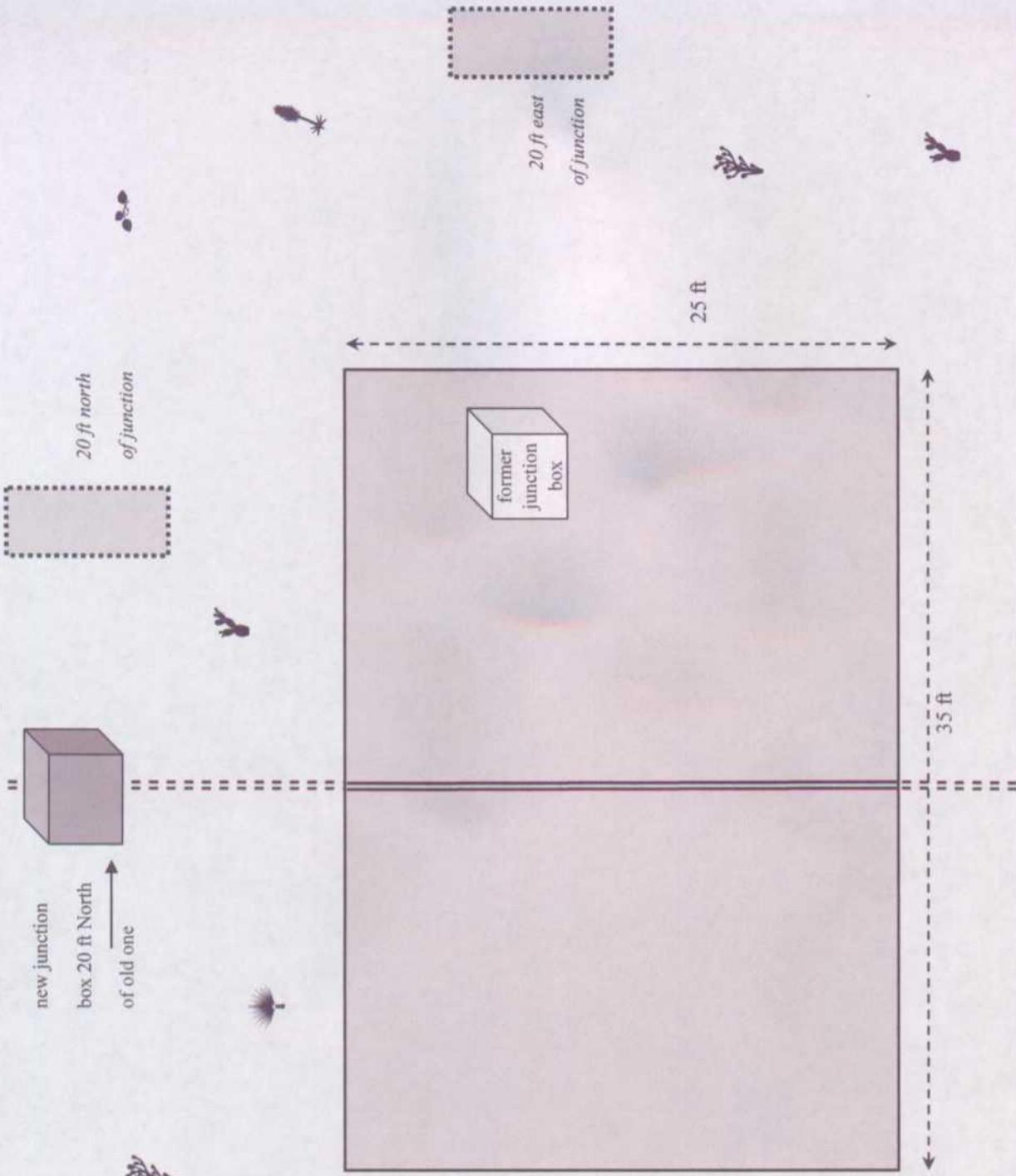
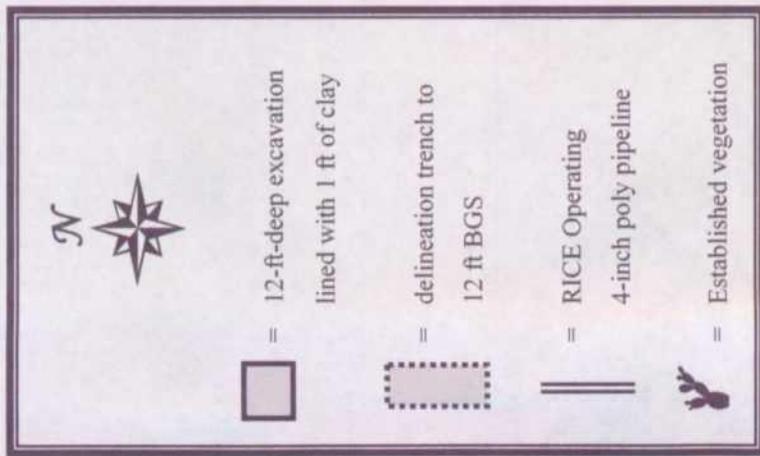


seeding disturbed surface; ID plate on surface

10/15/2004

BD P-26-1 vent

35 x 25 x 12 ft Excavation

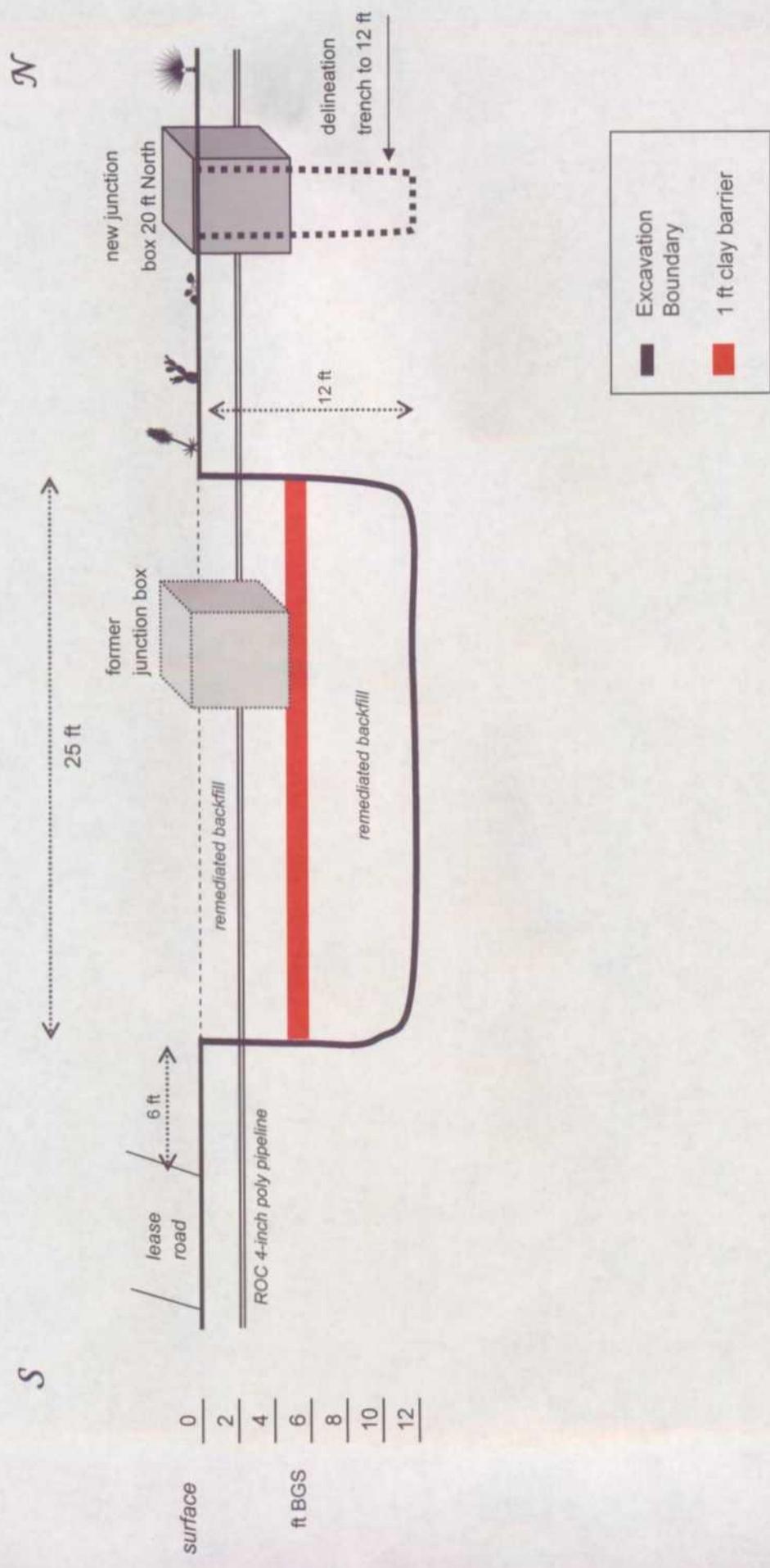


L E A S E R O A D

BD P-26-1 vent

35 x 25 x 12 ft

Excavation Cross-Section



- Excavation Boundary
- 1 ft clay barrier

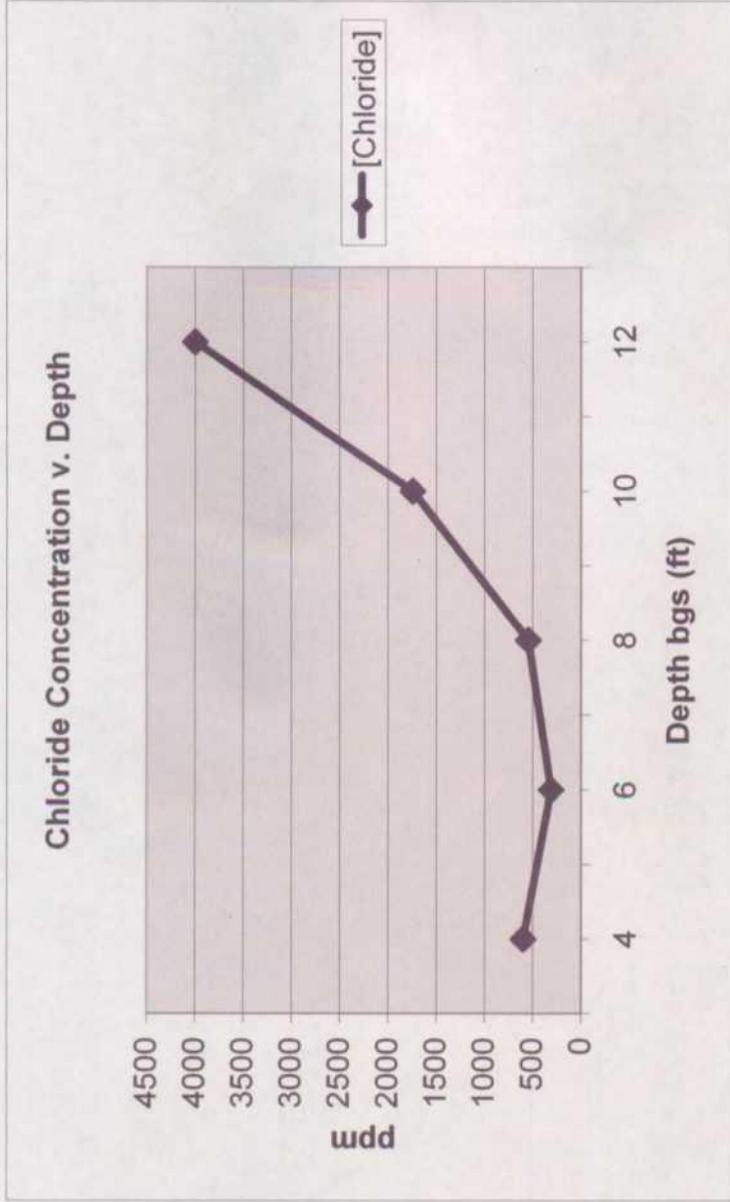
BD P-26-1 vent

unit 'P', sec. 26, T21S, R37E

25 ft WEST of junction box

Depth bgs (ft)	[Cl ⁻] ppm
4	597
6	310
8	546
10	1741
12	4002

Groundwater = 40 ft



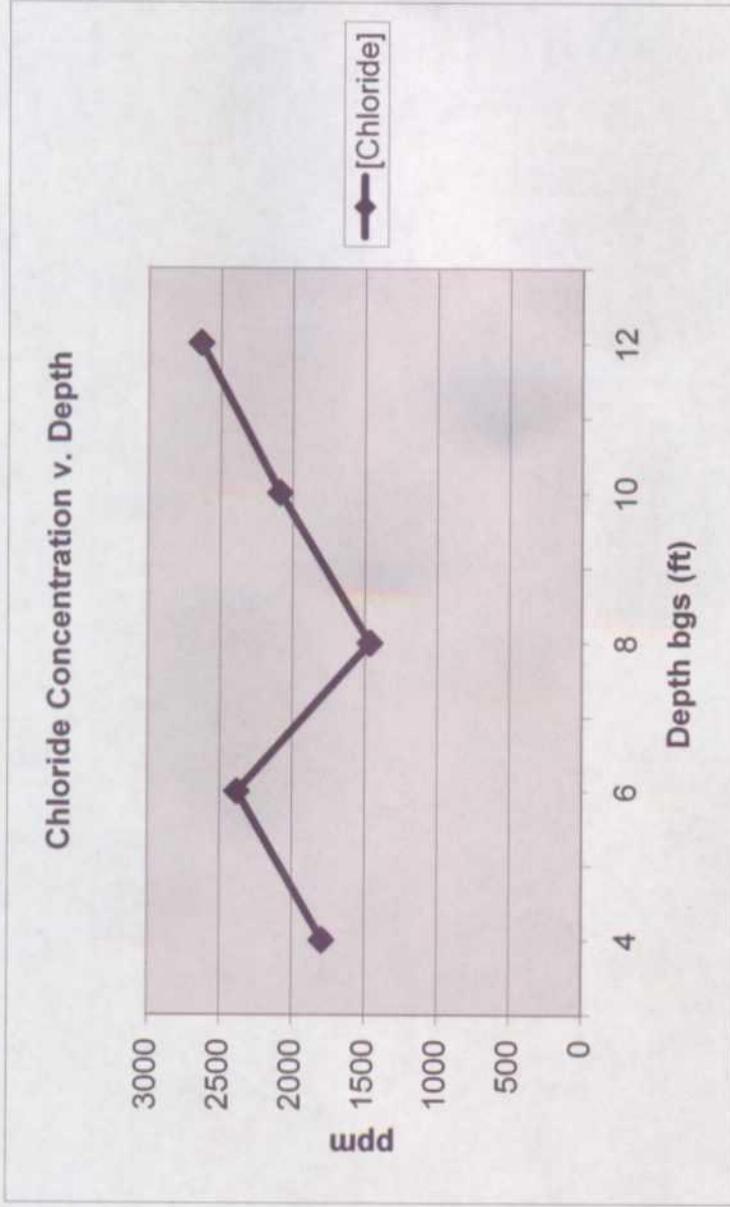
BD P-26-1 vent

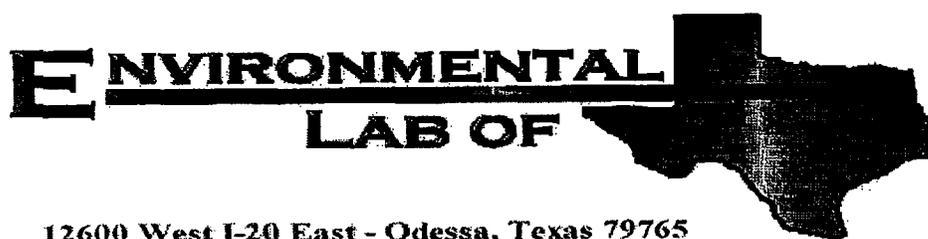
unit 'P', sec. 26, T21S, R37E

20 ft EAST of junction box

Depth bgs (ft)	[Cl ⁻] ppm
4	1793
6	2382
8	1464
10	2088
12	2639

Groundwater = 40 ft





12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

BD

Project: P-26-1
Project Number: None given
Location: BD

Lab Order Number: 4G09025

Report Date: 07/16/04

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

Project: P-26-1
Project Number: None given
Project Manager: Roy Rascon

Fax: (505) 397-1471
Reported:
07/16/04 10:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bott Comp. at 12' bgs	4G09025-01	Soil	07/09/04 08:30	07/09/04 17:30
4 Wall Comp.	4G09025-02	Soil	07/09/04 08:45	07/09/04 17:30
Remd Backfill	4G09025-03	Soil	07/09/04 09:00	07/09/04 17:30

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

Project: P-26-1
Project Number: None given
Project Manager: Roy Rascon

Fax: (505) 397-1471
Reported:
07/16/04 10:28

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bott Comp. at 12' bgs (4G09025-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41301	07/12/04	07/12/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		79.0 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		70.8 %	70-130		"	"	"	"	
4 Wall Comp. (4G09025-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41301	07/12/04	07/12/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		84.8 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		72.4 %	70-130		"	"	"	"	
Remd Backfill (4G09025-03) Soil									
Gasoline Range Organics C6-C12	66.4	10.0	mg/kg dry	1	EG41301	07/12/04	07/12/04	EPA 8015M	
Diesel Range Organics >C12-C35	995	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	1060	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		91.0 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		84.8 %	70-130		"	"	"	"	

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

Project: P-26-1
Project Number: None given
Project Manager: Roy Rascon

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Reported:
07/16/04 10:28

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bott Comp. at 12' bgs (4G09025-01) Soil									
Chloride	1570	20.0 mg/kg Wet		2	EG41208	07/12/04	07/12/04	SW 846 9253	
% Solids	92.0		%	1	EG41209	07/10/04	07/12/04	% calculation	
4 Wall Comp. (4G09025-02) Soil									
Chloride	2190	20.0 mg/kg Wet		2	EG41208	07/12/04	07/12/04	SW 846 9253	
% Solids	95.0		%	1	EG41209	07/10/04	07/12/04	% calculation	
Remd Backfill (4G09025-03) Soil									
Chloride	1510	20.0 mg/kg Wet		2	EG41208	07/12/04	07/12/04	SW 846 9253	
% Solids	93.0		%	1	EG41209	07/10/04	07/12/04	% 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: P-26-1
Project Number: None given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
07/16/04 10:28

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 EG41301 - Solvent Extraction (GC)**Blank (EG41301-BLK1)**

Prepared & Analyzed: 07/12/04

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	37.1		mg/kg	50.0		74.2	70-130			
Surrogate: 1-Chlorooctadecane	38.2		"	50.0		76.4	70-130			

LCS (EG41301-BS1)

Prepared & Analyzed: 07/12/04

Gasoline Range Organics C6-C12	407	10.0	mg/kg wet	500		81.4	75-125			
Diesel Range Organics >C12-C35	405	10.0	"	500		81.0	75-125			
Total Hydrocarbon C6-C35	812	10.0	"	1000		81.2	75-125			
Surrogate: 1-Chlorooctane	44.7		mg/kg	50.0		89.4	70-130			
Surrogate: 1-Chlorooctadecane	39.0		"	50.0		78.0	70-130			

LCS Dup (EG41301-BSD1)

Prepared & Analyzed: 07/12/04

Gasoline Range Organics C6-C12	406	10.0	mg/kg wet	500		81.2	75-125	0.246	20	
Diesel Range Organics >C12-C35	471	10.0	"	500		94.2	75-125	15.1	20	
Total Hydrocarbon C6-C35	876	10.0	"	1000		87.6	75-125	7.58	20	
Surrogate: 1-Chlorooctane	47.0		mg/kg	50.0		94.0	70-130			
Surrogate: 1-Chlorooctadecane	36.5		"	50.0		73.0	70-130			

Calibration Check (EG41301-CCV1)

Prepared & Analyzed: 07/12/04

Gasoline Range Organics C6-C12	409		mg/kg	500		81.8	80-120			
Diesel Range Organics >C12-C35	490		"	500		98.0	80-120			
Total Hydrocarbon C6-C35	899		"	1000		89.9	80-120			
Surrogate: 1-Chlorooctane	49.3		"	50.0		98.6	70-130			
Surrogate: 1-Chlorooctadecane	35.0		"	50.0		70.0	70-130			

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Page 4 of 6

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

Project: P-26-1
Project Number: None given
Project Manager: Roy Rascon

Fax: (505) 397-1471
Reported:
07/16/04 10:28

**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 EG41208 - Water Extraction

Blank (EG41208-BLK1)				Prepared & Analyzed: 07/12/04						
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EG41208-MS1)				Source: 4G09026-02 Prepared & Analyzed: 07/12/04						
Chloride	1000	20.0	mg/kg Wet	500	585	83.0	80-120			
Matrix Spike Dup (EG41208-MSD1)				Source: 4G09026-02 Prepared & Analyzed: 07/12/04						
Chloride	1000	20.0	mg/kg Wet	500	585	83.0	80-120	0.00	20	
Reference (EG41208-SRM1)				Prepared & Analyzed: 07/12/04						
Chloride	5000		mg/kg	5000		100	80-120			

Batch EG41209 - General Preparation (Prep)

Blank (EG41209-BLK1)				Prepared: 07/10/04 Analyzed: 07/12/04						
% Solids	100		%							
Blank (EG41209-BLK2)				Prepared: 07/10/04 Analyzed: 07/12/04						
% Solids	100		%							
Duplicate (EG41209-DUP1)				Source: 4G09022-01 Prepared: 07/10/04 Analyzed: 07/12/04						
% Solids	90.0		%		90.0			0.00	20	
Duplicate (EG41209-DUP2)				Source: 4G09025-01 Prepared: 07/10/04 Analyzed: 07/12/04						
% Solids	92.0		%		92.0			0.00	20	

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

Project: P-26-1
Project Number: None given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
07/16/04 10:28

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: 7-16-04

Raland K. Tuttle, QA Officer

Celey 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.

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LABORATORY TEST REPORT
PETTIGREW & ASSOCIATES, P.A.
1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827



DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS, III, P.E./P.S.

To: Rice Operating
Attn: Carolyn Haynes
122 W. Taylor
Hobbs, NM 88240

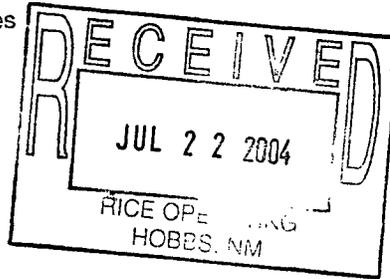
Material: Red Clay

Project: JCT P 26 - 1 BD

Test Method: ASTM: D 2922

Date of Test: July 14, 2004

Depth: Finished Subgrade



Test No.	Location	Dry Density % Maximum	% Moisture	Depth
SG-1	Pit - 10' W. & 6' N. of the SE Corner	96.6	24.3	

Control Density: 109.5
ASTM: D 698

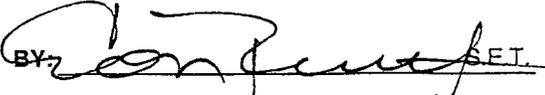
Optimum Moisture: 16.6

Required Compaction: 95%

Lab No.: 04 7529-7530

Copies To: Rice

PETTIGREW & ASSOCIATES

BY:  SET