

**1R - 427 - 170**

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# **REPORTS**

**DATE:**

**10-15-04**

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EME Jct J-1

1R0427-170

# 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
EME	J-1	J	1	20S	36E	Lea	no box-eliminated		

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

Depth to Groundwater 40 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 8/16/2004 Date Completed 9/6/2004 OCD Witness No

Soil Excavated 400 cubic yards Excavation Length 30 Width 30 Depth 12 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 8/23/2004 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.	0.1	<10.0	<10.0	432
BOTTOM COMP.	0.1	<10.0	<10.0	912
REMED. BACKFILL	0.1	<10.0	<10.0	448

LOCATION	DEPTH (ft)	ppm
vertical at junction	5	233
	6	258
	7	464
	8	663
	9	701
	10	816
	11	708
15 ft North of junction	12	732
	4	115
	6	377
	8	678
	10	1012
background	n/a	60
4-wall comp.	n/a	311
bottom comp.	12	738
remed. backfill	n/a	415

**General Description of Remedial Action:** This junction has been eliminated and slip-lined with a new poly pipeline. The box lumber was removed and the site was delineated using a backhoe while PID screenings and chloride field tests were conducted at regular intervals. Chloride concentrations did not conclusively decline vertically or horizontally throughout the 30 x 30 x 12-ft-deep excavation. No physical indications of hydrocarbon impact were observed, all PID readings were 0.1 ppm, and TPH concentrations were well below NMOCD guidelines. The excavated soil was blended on site and backfilled to 6 ft BGS. At 6 ft, a 1-ft-thick compacted clay barrier was installed to inhibit the downward migration of chloride. The remaining soils were backfilled on top of the clay. The disturbed surface was seeded with a blend of native vegetation on 10/4/2004 and will be monitored for growth. An identification plate has been placed on the surface for future considerations.

**ADDITIONAL EVALUATION IS HIGH PRIORITY**

enclosures: chloride graphs, photos, lab results, PID field screenings, clay test, diagram

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 10/15/2004 TITLE Project Scientist

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

# EME jct. J-1

unit 'J', Sec. 1, T20S, R36E



undisturbed junction box

12/30/2003



box lumber removed

7/28/2004



beginning excavation

8/16/2004



final excavation

8/23/2004



testing clay

9/2/2004



compacted clay at 6 ft BGS

9/2/2004



seeding disturbed surface; ID plate in foreground

10/4/2004



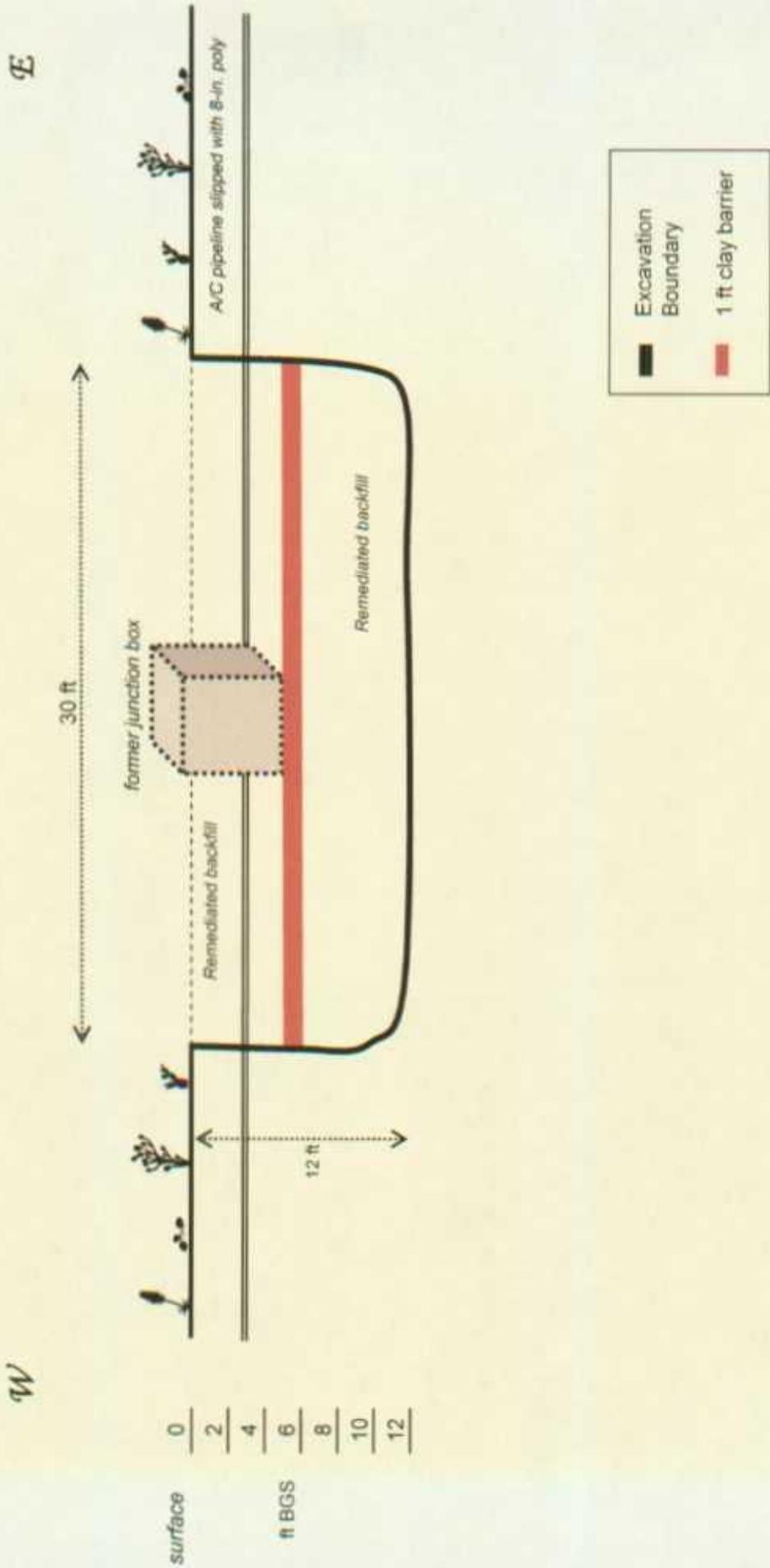
tilling seed into soil

10/4/2004

# EME jct. J-1

## 30 x 30 x 12 ft

### Excavation Cross-Section



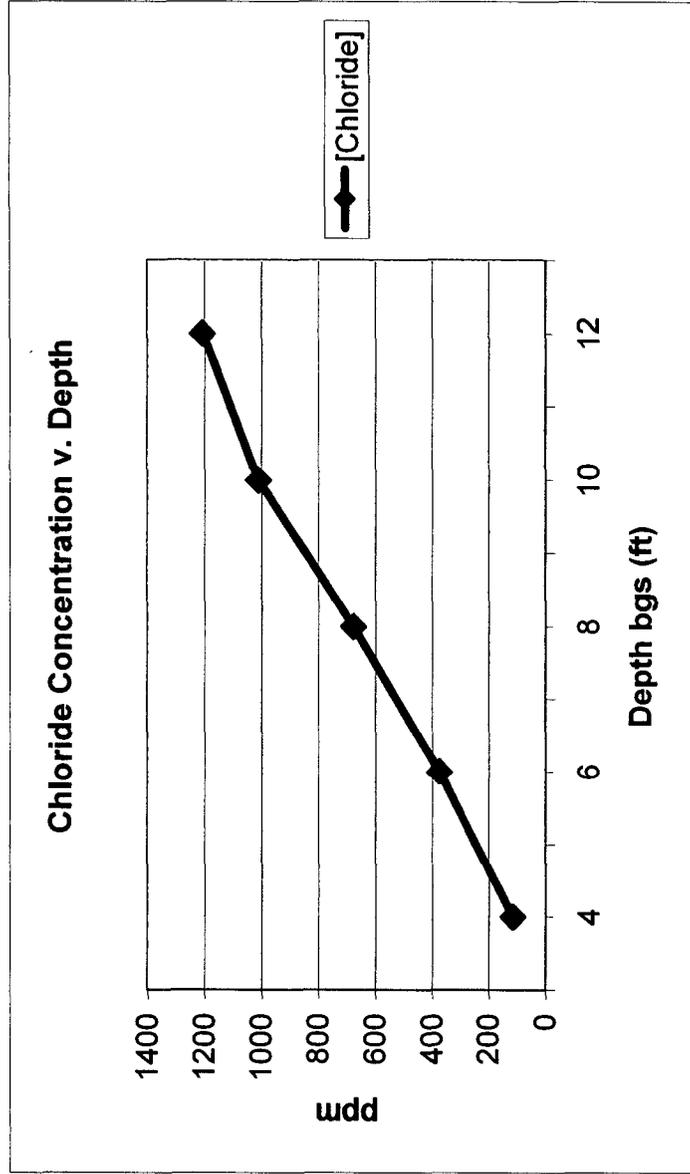
# EME jct. J-1

T20S, R36E

15 ft North of junction

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
4	115
6	377
8	678
10	1012
12	1208

Groundwater = 40 ft



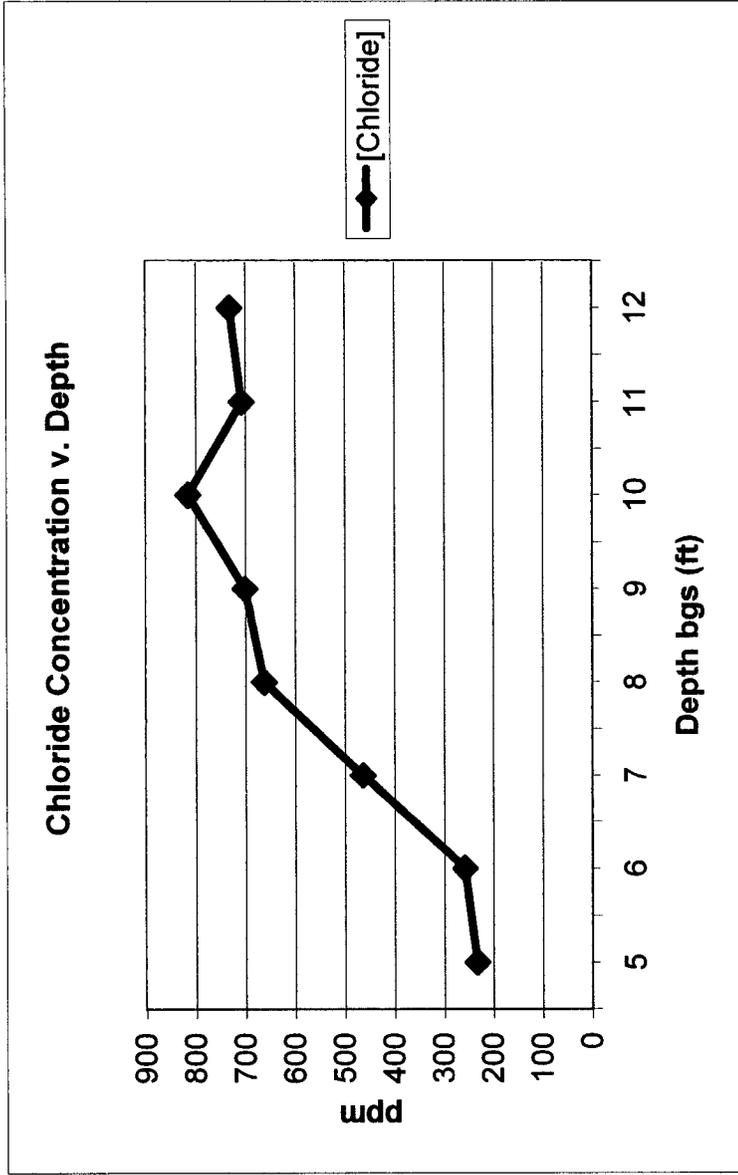
# EME jct. J-1

T20S, R36E

Vertical Delineation at Source

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
5	233
6	258
7	464
8	663
9	701
10	816
11	708
12	732

Groundwater = 40 ft

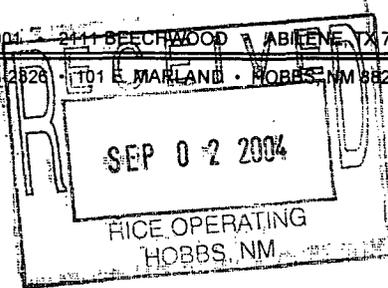




# ARDINAL LABORATORIES

PHONE (325) 673-7004 2411 BEECHWOOD ABILENE, TX 79603

PHONE (505) 393-2828 T01 MARLAND HOBBS, NM 88240



ANALYTICAL RESULTS FOR  
RICE OPERATING  
ATTN: ROY RASCON  
122 W. TAYLOR  
HOBBS, NM 88240  
FAX TO:

Receiving Date: 08/26/04  
Reporting Date: 08/30/04  
Project Number: NOT GIVEN  
Project Name: EME J-1  
Project Location: NOT GIVEN

Sampling Date: 08/23/04  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: GP  
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	Cl* (mg/Kg)
	ANALYSIS DATE	08/28/04	08/28/04	08/27/04
H9080-1	BOTTOM COMP @ 12'BGS	<10.0	<10.0	912
H9080-2	4 WALL COMP.	<10.0	<10.0	432
H9080-3	REMD. BACKFILL	<10.0	<10.0	448
	Quality Control	791	780	1010
	True Value QC	800	800	1000
	% Recovery	98.9	97.5	101
	Relative Percent Difference	1.0	1.8	6.8

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-Cl'B

\*Analyses performed on 1:4 w:v aqueous extracts.

  
\_\_\_\_\_  
Chemist

8/30/04  
\_\_\_\_\_  
Date

H9080.XLS

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page \_\_\_\_\_ of \_\_\_\_\_

## CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240  
 (915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Company Name: <i>Rice Operating</i>		<b>BILL TO</b>		ANALYSIS REQUEST												
Project Manager: <i>Roy Rason</i>		F.O. #:														
Address: <i>122 W Taylor</i>		Company:														
City: <i>Hobbs</i>		Attn:														
Phone #: <i>393-9174</i>		Address:														
Project #:		City:														
Project Name: <i>EME J-1</i>		State:														
Project Location:		Zip:														
Sampler Name:		Phone #:														
FOR LAB USE ONLY		Fax #:														
Lab I.D.	Sample I.D.	# CONTAINERS	(G)RAB OR (C)OMP.	MATRIX				PRESERV.		SAMPLING		DATE	TIME	C.I.	TPH	8015
				GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE / COOL					
		1	C								8/23/04	1:00	X			
		1	C	X							8/23/04	1:15	X			
		1	C	X							8/23/04	1:30	X			

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By: \_\_\_\_\_

Relinquished By: \_\_\_\_\_ Date: *8/26/04* Time: *7:10* Received By: (Lab Staff) *[Signature]*

Delivered By: (Circle One) *[Signature]* Checked By: (initials) \_\_\_\_\_

Sampler - UPS - Bus - Other: \_\_\_\_\_

Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_

Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_

REMARKS: \_\_\_\_\_

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.





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  
**Project:** ~~JCT J-104E~~  
EME  
JCT J-104E

**Material:** Red Clay  
**Test Method:** ASTM: D 2922

**Date of Test:** August 24, 2004

**Depth:** 2' Below Bottom of Pipe

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
SG-1	Pit - 20' W. & 10' N. of SE Corner	104.4	16.7	

**Control Density:** 106.2  
ASTM: D 698

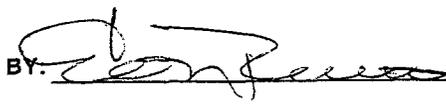
**Optimum Moisture:** 17.3

**Required Compaction:** 95%

**Lab No.:** 04 10114-10115

**Copies To:** Rice

**PETTIGREW & ASSOCIATES**

BY:  S.E.T.