

1R - 427 - 170

REPORTS

DATE:

10-15-04

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		
EME	J-1	J	1	20S	36E	Lea	Length	Width	Depth
							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	12	1208
	n/a	60
	n/a	311
	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



9/2/2004

testing clay



compacted clay at 6 ft BGS

9/2/2004



seeding disturbed surface; ID plate in foreground

10/4/2004



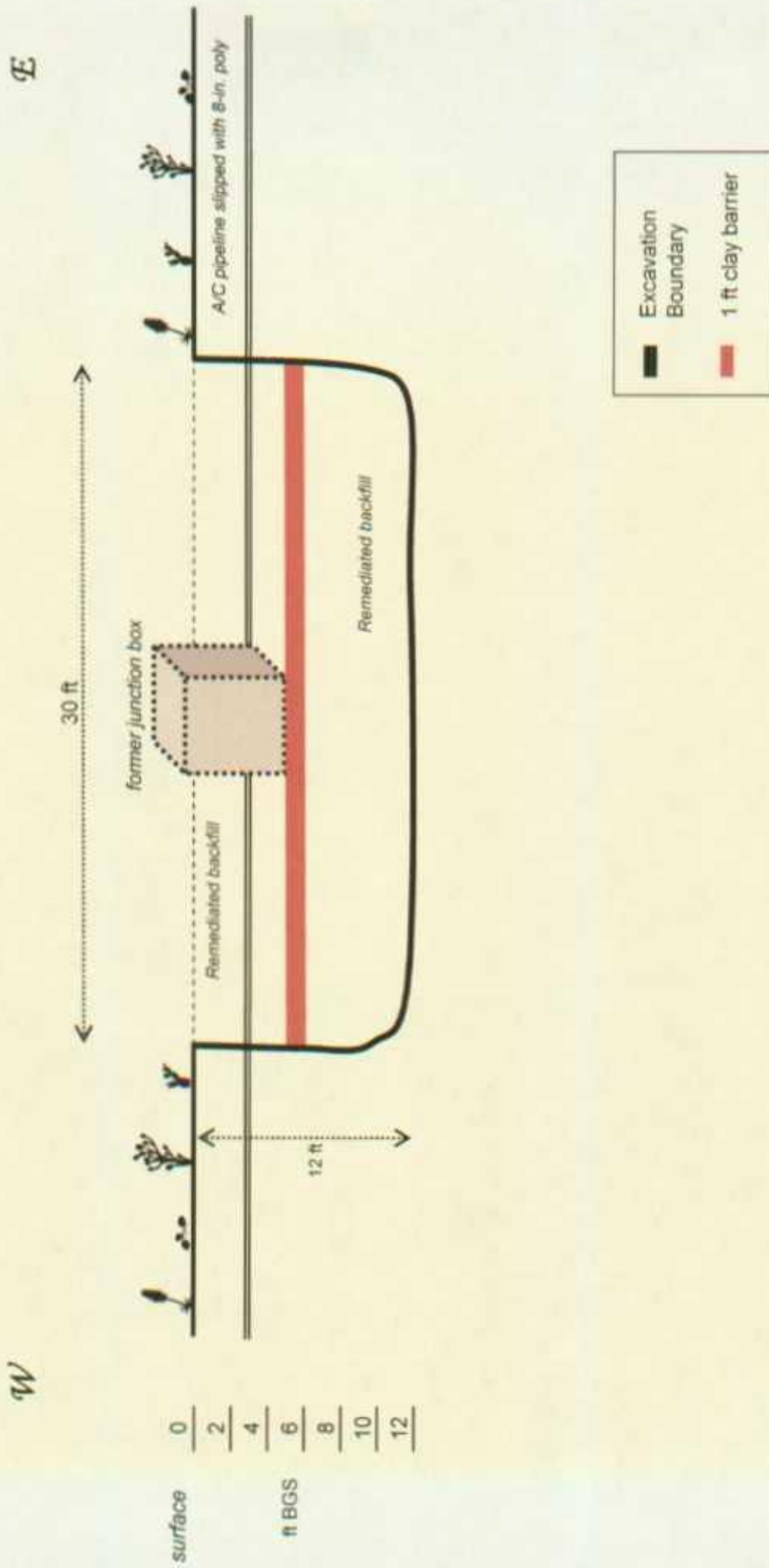
tilling seed into soil

10/4/2004

EME jct. J-1

30 x 30 x 12 ft

Excavation Cross-Section

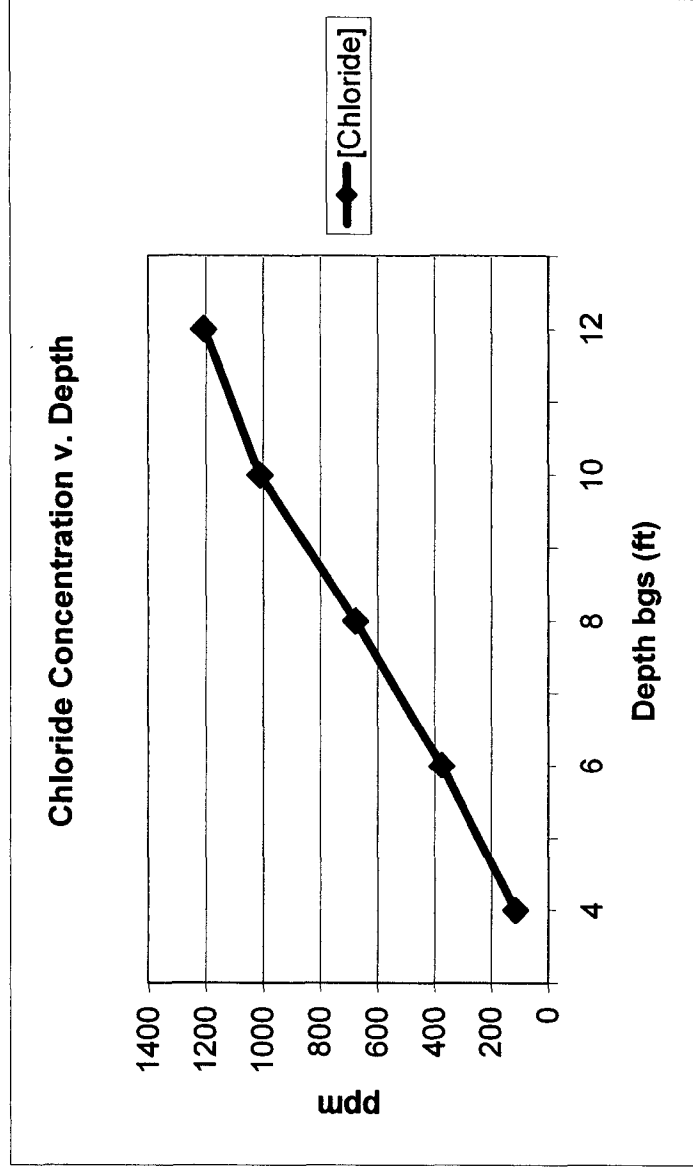


EME jct. J-1 T20S, R36E

15 ft North of junction

Depth bgs (ft)	[Cl ⁻] ppm
4	115
6	377
8	678
10	1012
12	1208

Groundwater = 40 ft



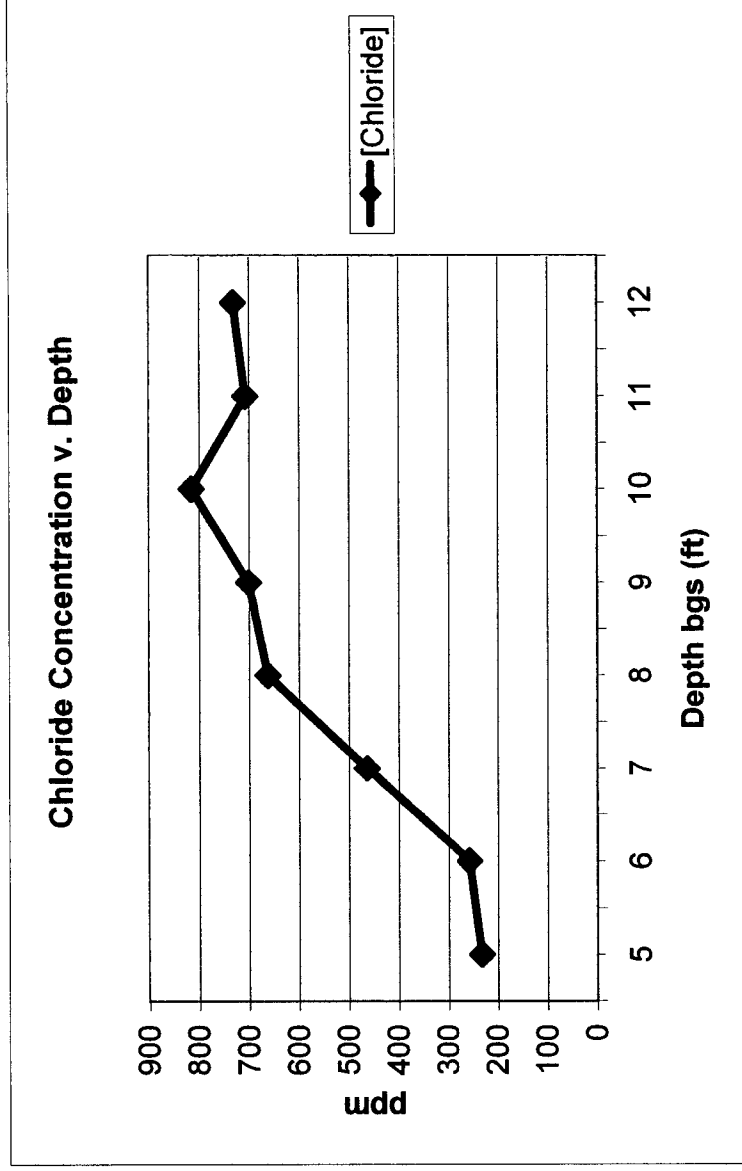
EME jct. J-1

T20S, R36E

Vertical Delineation at Source

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

Groundwater = 40 ft



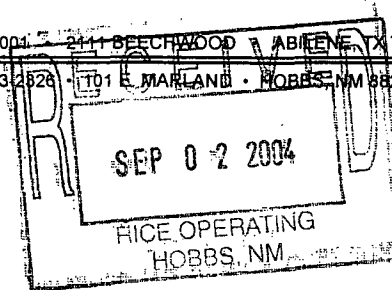


ARDINAL LABORATORIES

PHONE (325) 673-7001 2111 BELCHAMPOD ABILENE, TX 79603

PHONE (505) 393-2828 101 E. 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 ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
		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

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.

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

RICE OPERATING COMPANY

122 WEST TAYLOR

HOBBS, NEW MEXICO 88240

PHONE: (505) 393-9174 FAX: (505) 397-1471

VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S

CALIBRATION GAS

GAS COMPOSITION: ISOBUTYLENE

AIR

LOT NO: 02-22-30

EXP. DATE: 11/20/04

METER READING

ACCURACY: 100.1

SERIAL NO: 104490

100 PPM

BALANCE

FILL DATE: 5/20/04

ACCURACY: +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	J-1	J	1	20	36

SAMPLE	PID RESULT	SAMPLE	PID RESULT
15' N. WALL	0.1		
15' S. WALL	0.1		
15' E. WALL	0.1		
15' W. WALL	0.1		
12' Bott. Comp	0.1		
4 WALL Comp	0.1		
REMO. BACKFILL	0.1		

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


Signature

8/23/04
Date



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: *EME*
JCT J-1 ~~14E~~

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: *[Signature]* S.E.T.