

1R - 427 - 171

REPORTS

DATE:

11-24-04

EME JCT I-13

1R0427-171

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	I-13	I	13	20S	36E	Lea	eliminated--no box		

LAND TYPE: BLM _____ STATE X FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 35 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 8/13/2004 Date Completed 9/10/2004 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 8/26/2004 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	304
BOTTOM COMP.	0.1	<10.0	<10.0	592
REMED. BACKFILL	0.1	<10.0	27.2	432

LOCATION	DEPTH (ft)	ppm
vertical at junction box	7	86
	8	116
	9	173
	10	204
	11	257
	12	344
5 ft south of junction	6	231
	8	1095
	10	843
15 ft south of junction	12	967
	4	115
	6	261
	8	401
4-wall comp.	10	458
	12	578
	n/a	344
bottom comp.	12	529
remed. backfill	n/a	407

General Description of Remedial Action: This junction was located between a lease road and an active production battery. The junction was eliminated and the old asbestos-cement pipeline was slipped with a new 4-in. poly pipeline. The site was delineated using a backhoe while PID readings and chloride field tests were conducted at regular intervals. All PID readings were non-detect throughout the 30 x 30 x 12-ft-deep excavation and lab results confirmed TPH concentrations well below NMOCD guidelines. Chloride concentrations generally increased with depth within the excavation (see graphs). The excavated soils were blended on site and then 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 and the surface was contoured to the surrounding terrain. The disturbed surface was seeded with a blend of native vegetation and will be monitored for growth. An identification plate has been placed on the surface to mark the site for future considerations. NMOCD has been notified of potential groundwater impact at the location.

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 11/24/2004 TITLE Project Scientist

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

EME jct. I-13

unit 'T', sec. 13, T20S, R36E



fenced location with box lumber removed (looking north) 1/5/2004



former box site slip-lined with poly pipeline 7/28/2004



30 x 30 x 12-ft-deep excavation (looking south) 9/8/2004



testing compacted clay

9/10/2004



finishing backfill (looking east)

9/10/2004



seeding disturbed surface

9/17/2004



identification plate on surface

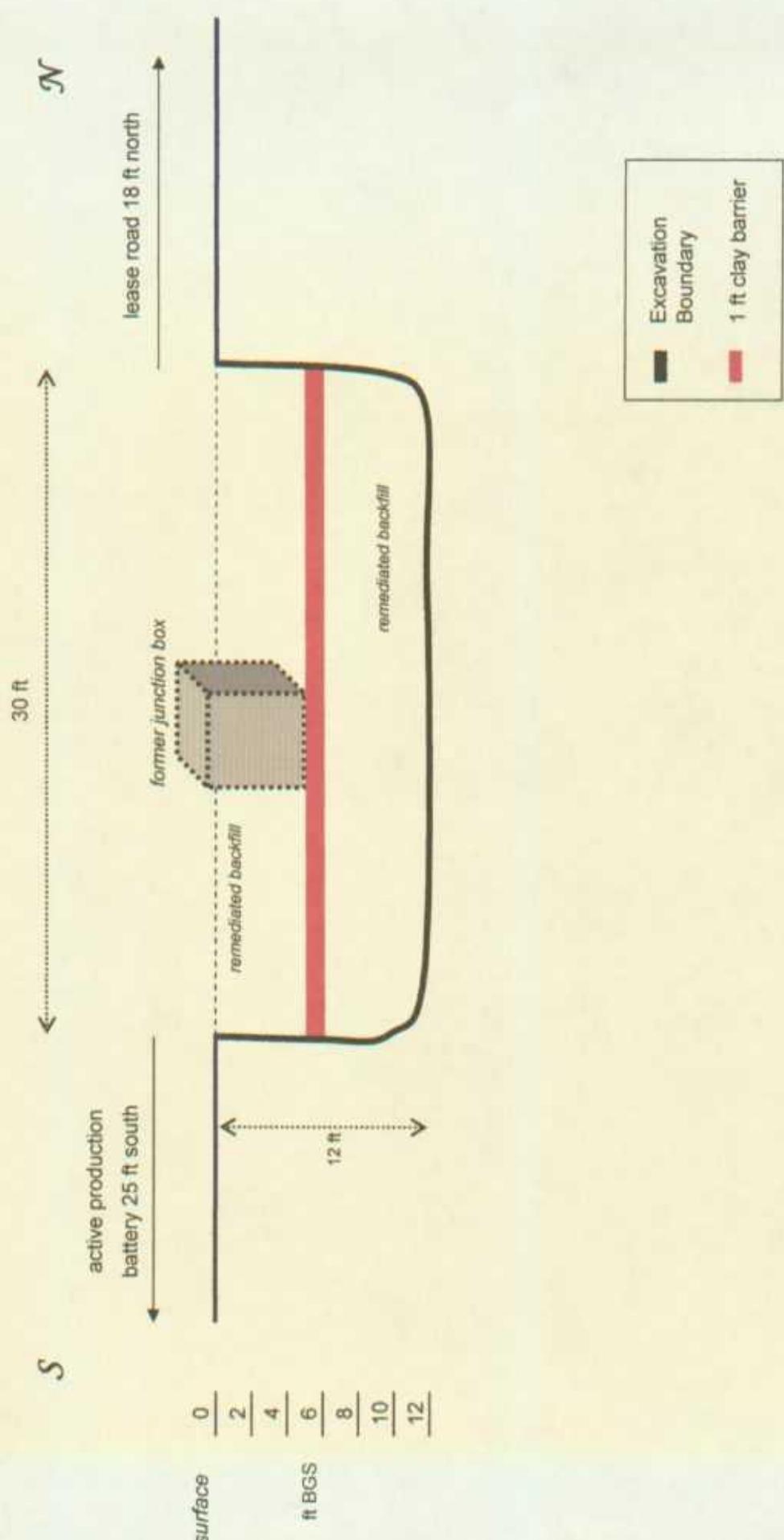
(looking north)

10/4/2004

EME jct. I-13

30 x 30 x 12 ft

Excavation Cross-Section



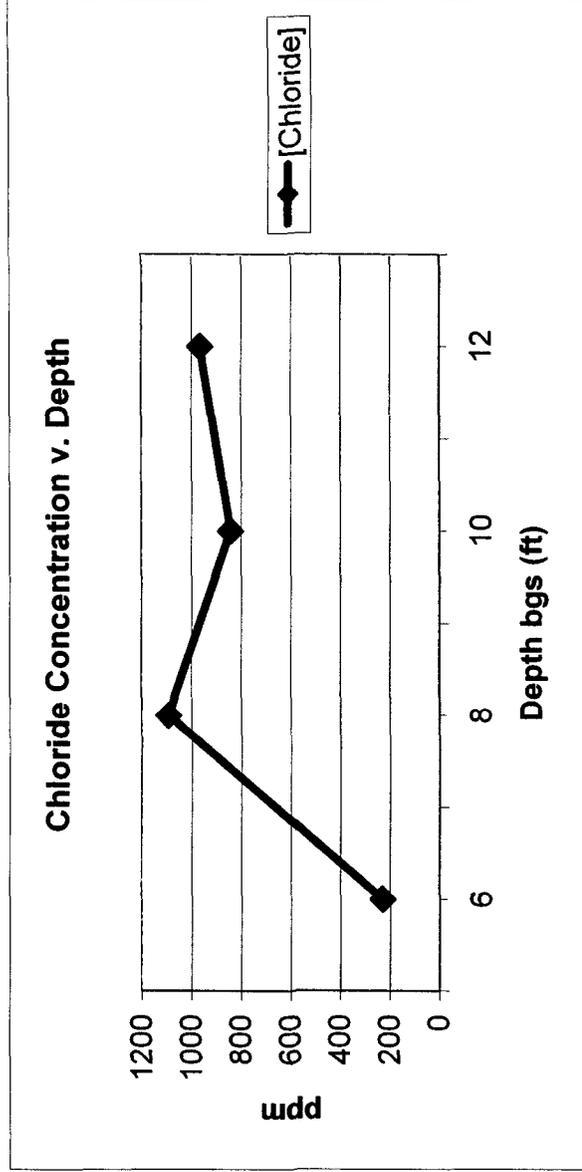
EME jct. I-13

T20S, R36E

5 ft south of junction

Depth bgs (ft)	[Cl ⁻] ppm
6	231
8	1095
10	843
12	967

Groundwater = 35 ft



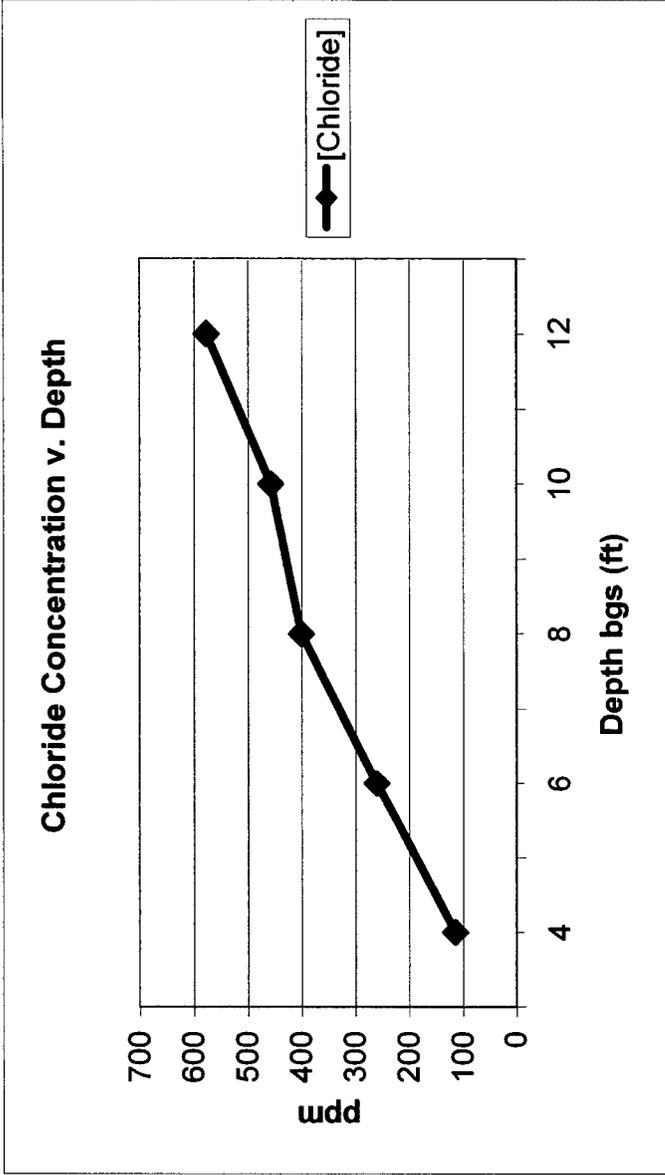
EME jct. I-13

T20S, R36E

15 ft south of junction

Depth bgs (ft)	[Cl ⁻] ppm
4	115
6	261
8	401
10	458
12	578

Groundwater = 35 ft





**ARDINAL
LABORATORIES**

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

PHONE (505) 393-2326 • 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 I-13
Project Location: NOT GIVEN

Sampling Date: 08/26/04
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)
ANALYSIS DATE		08/28/04	08/28/04	08/27/04
H9081-1	BOTTOM COMP @ 12'BGS	<10.0	<10.0	592
H9081-2	4 WALL COMP.	<10.0	<10.0	304
H9081-3	REMD. BACKFILL	<10.0	27.2	432
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-ClB

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

Burgess A. Cohe
Chemist

8/30/04
Date

H9081.XLS



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page _____ of _____

Company Name: Rice Operating		Company:		ANALYSIS REQUEST															
Project Manager: Roy Rescain		Attn:																	
Address: 122		Address:																	
City: Hobbs		City:																	
State: NM		State:																	
Zip: 88240		Zip:																	
Phone #: 793-9174		Phone #:																	
Fax #:		Fax #:																	
Project #:		Project #:																	
Project Owner:		Project Owner:																	
Project Name: EME I-13		Project Name:																	
Project Location:		Project Location:																	
Sampler Name:		Sampler Name:																	
FOR LAB USE ONLY		BILL TO																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	PRESERV	SAMPLING	DATE	TIME	CL	TPH	8215
H9081-1	Bo. Ft. Camp of 12 bags	C	1	X											8/26/04	12:30	X	X	
-2	4 WALL CORNER	C	1	X											8/26/04	12:45	X	X	
-3	REND BACKFILL	C	1	X											8/26/04	1:00	X	X	

PLEASE NOTE: Liability and Damages, Cardinal's ability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the 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 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.

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.

Received By: _____
Date: _____
Time: _____

Relinquished By: _____
Date: 8/26/04
Time: 4:10

Delivered By: (Circle One)
 Sampler - UPS - Bus - Other: _____

Received By: (Lab Staff) _____
Checked By: (Initials) _____

Sample Condition:
 Cool Intact
 Yes No

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

Material: Red Clay

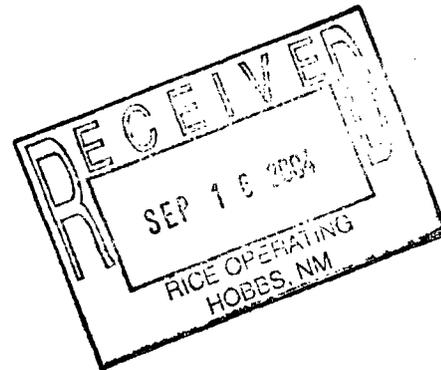
Test Method: ASTM: D 2922

Project: JCT I-13 ME

Date of Test: September 10, 2004

Depth: Finished Subgrade

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
SG-1	Pit - 10' E. & 15' S. of NW Corner	102.8	17.1	



Control Density: 106.2
ASTM: D 698

Optimum Moisture: 17.3

Required Compaction: 95%

Lab No.: 04 10337-10338

Copies To: Rice

PETTIGREW & ASSOCIATES

BY:  S.E.T.

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

SERIAL NO: 104412

CALIBRATION GAS

GAS COMPOSITION: ISOBUTYLENE

100 PPM

AIR

BALANCE

LOT NO: 02-22-30

FILL DATE: 5/20/03

EXP. DATE: 11/20/04

ACCURACY: ±0.2%

METER READING

ACCURACY: 100.1

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	I-13	I	13	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		
Bottom Comp 12'	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.

Joe Smith
Signature

8/26/04
Date