

1R - 427-232

# REPORTS

DATE:

4-1-08

EME G-4 Boot

/R427-232

CLOSURE

4-1-08

RICE OPERATING COMPANY  
JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	NEW BOX DIMENSIONS - FEET		
EME	G-4 boot	G	4	21S	36E	Lea	Length	Width	Depth
							moved 270 ft northeast		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Millard Deck Estate OTHER \_\_\_\_\_

Depth to Groundwater 190 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 11/29/2006 Date Completed 1/17/2007 NMOCD Witness no

Soil Excavated 278 cubic yards Excavation Length 25 Width 25 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 12/8/2006 Sample Depth 12 ft

5-point composite sample of bottom and 4-point composite sample of excavation sidewalls. TPH, BTEX, and chloride laboratory test results completed by using an approved laboratory and testing procedures pursuant to NMOCD guidelines.

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
4-WALL COMP.	0.153	1.61	5.95	8.47	574	4200	928
BOTTOM COMP.	0.028	1.15	2.92	5.30	244	3240	928
BACKFILL	0.005	0.575	1.40	3.52	228	1710	1650

General Description of Remedial Action:

This junction box was addressed

with the pipeline replacement/upgrade program. This old junction box was replaced with a new, concrete box 270 ft northeast of this subject site. On the old box was removed, the site was delineated using a backhoe to collect soil samples creating a 25 x 25 x 12-ft-deep excavation. Chloride field tests were conducted on these samples and yielded concentrations that generally declined with depth and breadth. Organic vapors were measured on each sample using a PID. Representative composite samples from the excavation floor, walls, and excavated soil were submitted for laboratory analysis. Lab results confirmed TPH concentrations meet NMOCD guidelines. The excavated soil was blended on site and then returned to the hole. Additional fill was needed so 72 cubic yards of clean soils were imported to complete the final 3 ft of backfill. The disturbed surface area was seeded with a blend of native vegetation on 1/18/2007.

enclosures: photos, lab results, chloride graph, cross-section

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
10 ft NORTH of junction	9	2657
	10	1706
	11	1275
	12	1215
15 ft NORTH of junction	9	523
	10	583
	11	425
	12	590
4-wall comp.	n/a	815
bottom comp.	12	1234
backfill comp.	n/a	693

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

SITE SUPERVISOR Darnell Mitchell SIGNATURE Darnell Mitchell COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 10/30/2007 TITLE Project Scientist



## EME G-4 boot

T21S, R36E



undisturbed junction box

2/7/2006



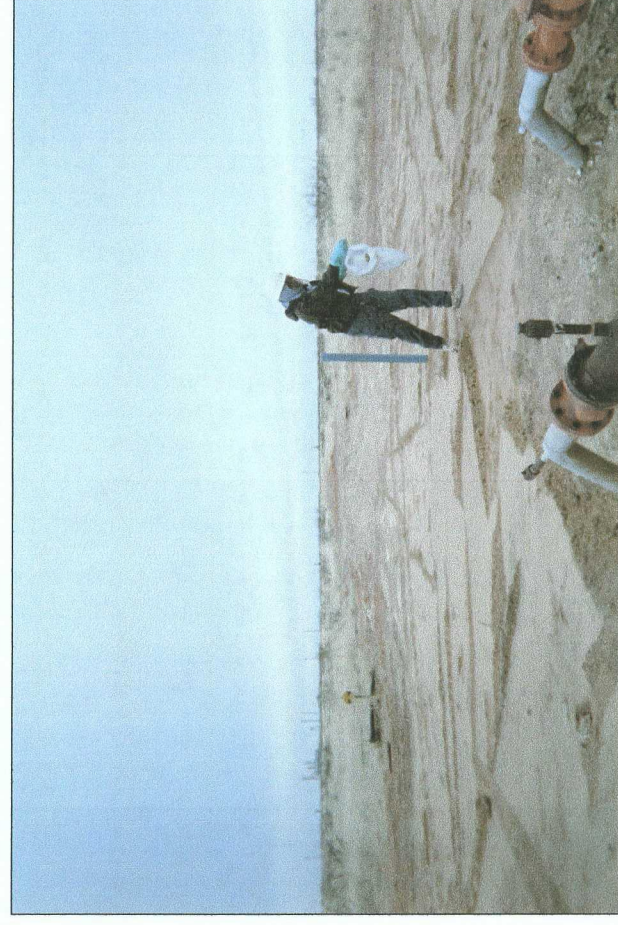
collecting soil samples from former box site

11/29/2006



final 25 x 25 x 12-ft excavation

1/15/2007



seeding site; clean, imported soil spread on surface

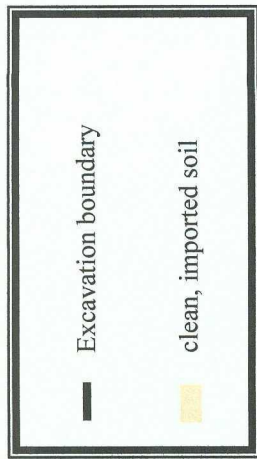
1/18/2007



# EME G-4 boot

25 x 25 x 12-ft-deep

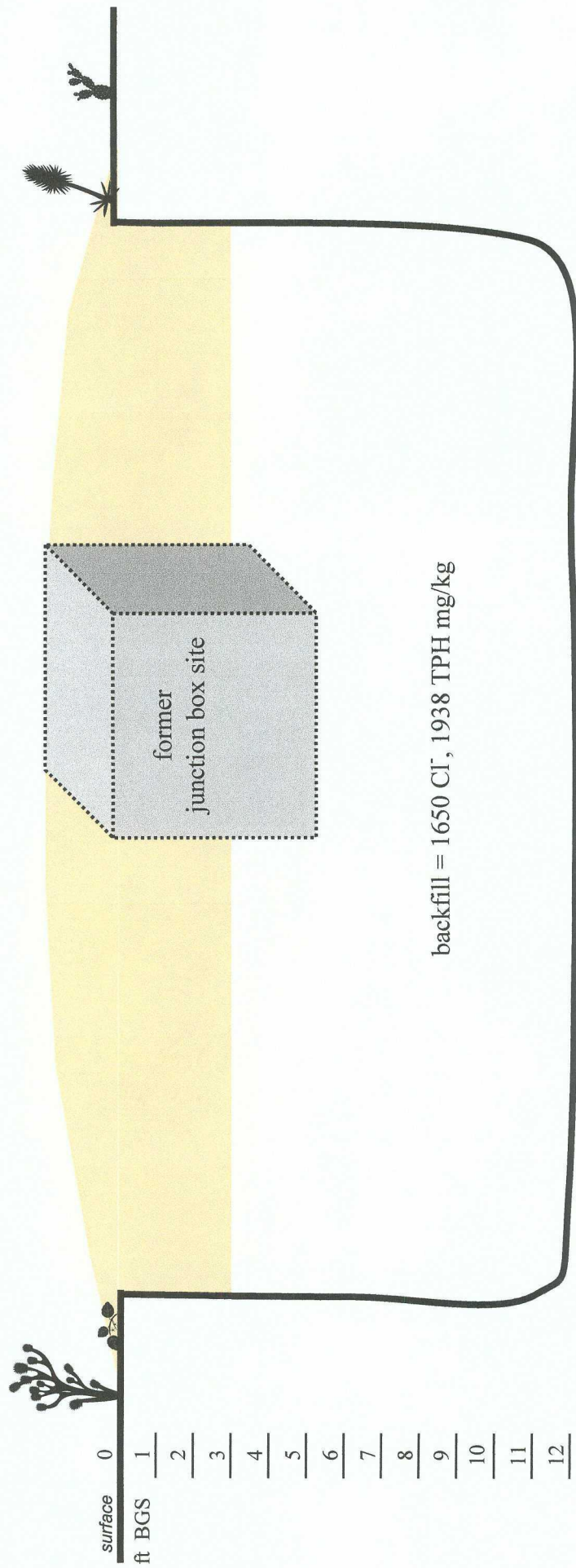
Excavation Cross-Section



W

E

25 ft



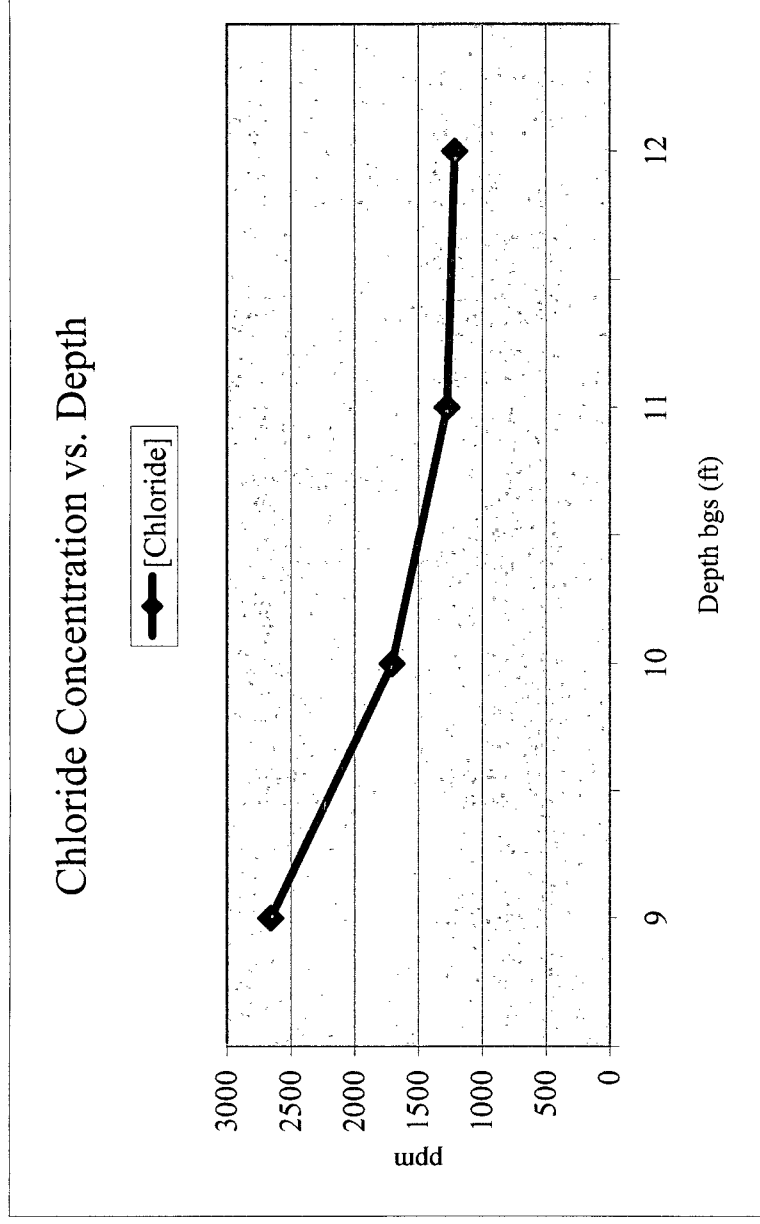
# EME G-4 boot

unit 'G', Sec. 4, T21S, R36E

10 ft NORTH of former junction

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
9	2657
10	1706
11	1275
12	1215

Groundwater = 190 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 CO.  
ATTN: ROY RASCON  
122 W. TAYLOR  
HOBBS, NM 88240  
FAX TO: (505) 397-1471

# COPY

Receiving Date: 12/11/06  
Reporting Date: 12/13/06  
Project Number: NOT GIVEN  
Project Name: EME JCT G-4 (BOOT)  
Project Location: NOT GIVEN

Sampling Date: 12/08/06  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: NF  
Analyzed By: BC/HM

LAB NO.	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	CI* (mg/Kg)
		12/11/06	12/11/06	12/11/06
H11876-2	4 WALL COMP. 25'x25'	574	4200	928
H11876-3	5 PT. BOTTOM COMP @ 12'	244	3240	928
H11876-4	BACKFILL BLEND	228	1710	1650
	Quality Control	735	742	480
	True Value QC	800	800	500
	% Recovery	91.9	92.7	96.0
	Relative Percent Difference	2.0	2.6	2.1

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

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

  
Chemist

12/13/06  
Date

H11876A

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ANALYTICAL RESULTS FOR  
RICE OPERATING CO.  
ATTN: ROY RASCON  
122 W. TAYLOR  
HOBBS, NM 88240  
FAX TO: (505) 397-1471

Receiving Date: 12/11/06  
Reporting Date: 12/13/06  
Project Number: NOT GIVEN  
Project Name: EME JCT G-4 (BOOT)  
Project Location: NOT GIVEN

Sampling Date: 12/08/06  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: NF  
Analyzed By: BC

LAB NO. SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE	12/11/06	12/11/06	12/11/06	12/11/06
H11876-1 COMP. E, W, S, N WALL COMPS.	0.020	0.695	2.57	4.65
H11876-2 4 WALL COMP. 25'x25'	0.153	1.61	5.95	8.47
H11876-3 5 PT. BOTTOM COMP @ 12'	0.028	1.15	2.92	5.30
H11876-4 BACKFILL BLEND	0.005	0.575	1.40	3.52
Quality Control	0.097	0.096	0.102	0.298
True Value QC	0.100	0.100	0.100	0.300
% Recovery	97.1	96.4	102	99.3
Relative Percent Difference	4.2	4.3	0.9	0.1

METHOD: EPA SW-846 8260

  
Chemist

12/13/06  
Date

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**ARDINAL LABORATORIES, INC.**

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240  
(325) 673-7001 Fax (325) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page 1 of 1

BILL TO										ANALYSIS REQUEST													
Company Name: <b>Rice Operating Co.</b> Project Manager: <b>Roy Rascone</b> Address: <b>122 W Taylor</b> City: <b>Hobbs NM</b> State: <b>N.M.</b> Zip: <b>88240</b> Phone #: <b>393-9174</b> Fax #: <b>397-1471</b> Project #: _____ Project Owner: _____ Project Name: <b>EME ICT G-4 (BOOT)</b> Project Location: _____ Sampler Name: <b>DANIEL McNEILL</b>										P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____													
Lab I.D.		Sample I.D.		FOR LAB USE ONLY		MATRIX				PRESERV.		SAMPLING		DATE		TIME		8015 M TOP		BTEX		BTEX STUDY	
				# CONTAINERS		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE	ICE / COOL										
- 1 EAST wall SPT COMP		- 1 WEST wall SPT COMP		1											12-8-06	12:34							
- 2 SOUTH wall SPT COMP		- 2 NORTH wall SPT COMP		1											12-8-06	11:50							
- 3 4 wall COMP 25x25'		- 3 SPT Bottom COMP @ 12'		1											12-8-06	3:01							
- 4 BACKILL BLEND				1											12-8-06	10:50							
															12-8-06	3:10							
															12-8-06	3:30							
															12-8-06	3:45							

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

**Delivered By:** Dan McNeill **Date:** 12-11-06 **Time:** 8:15 AM

**Relinquished By:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

**Delivered By:** Dan McNeill **Date:** 12-11-06 **Time:** 8:15 AM

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

**REMARKS:**  
 Comp. E, W, S, & N wall Comp. IN LAB AND RUN BTEX ONLY  
 E-MAIL TO ROY @ RRASCON@RICE S.W.D. COM

† Cardinal cannot accept verbal changes. Please fax written changes to (325) 673-7020.

Analysis request on  $H^{1876} - 1$  (comp), CO  
& sample labels do not correspond.  
Labels request 5015 & 001 DTEX