

1R - 427 - 141

REPORTS

DATE:

7-29-04

EME Amerada WE 'F' ECL

1R0427-141

FINAL
REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
EME	WE 'F' EOL	N	1	21S	35E	Lea	moved 40 ft East		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Merchant Livestock Co OTHER _____

Depth to Groundwater 175 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 5/21/2004 Date Completed 5/21/2004 OCD Witness No

Soil Excavated 4 cubic yards Excavation Length 5 Width 4 Depth 6 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 5/21/2004 Sample Depth 6 ft

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls.
TPH, BTEX and Chloride laboratory test results completed by using an approved lab 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	Chloride mg/kg
Bottom Grab	<0.005	<0.005	<0.005	<0.015	<10.0	19.8	496

General Description of Remedial Action: This End-of-Line (EOL) junction box
was located near an active production battery. The box did not exhibit any visible signs of
hydrocarbon or chloride impact. Grab samples were taken using a hand auger. Chloride
concentrations exhibited a significant decline with depth (see graph). Elevated chloride of
4766 ppm was found at the box bottom at 3 ft BGS due to leakage from the pipeline
replumbing, below which concentrations returned to background levels. TPH and BTEX
were well below NMOCD guidelines. The box lumber was removed and the hole backfilled.
This box was replaced with a new watertight junction box 40 ft East of this site during the
pipeline replacement.

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
Vertical at box	3 (bottom of box)	4766
	4	68
	5	124
	6	119

enclosures: chloride graph, photos, lab results

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

SITE SUPERVISOR Roy Rascon SIGNATURE Roy R. Rascon COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 7/29/2004 TITLE Project Scientist

EME WE 'F' EOL

unit 'N', Sec. 1, T21S, R35E



undisturbed junction box 11/19/2003



Site of new junction box with new plumbing 7/23/2004



New plumbing with pig launcher in foreground; old box in background 5/21/2004



Completed new junction box 40 ft west of old box site 7/26/2004

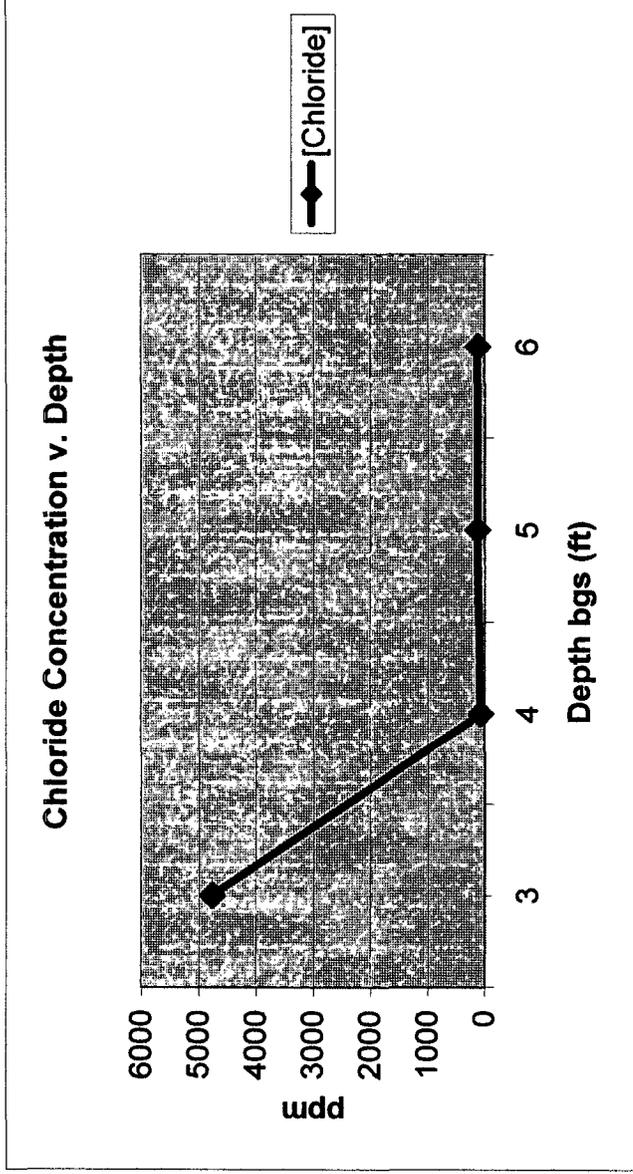
EME WE 'F' EOL

unit 'N', Sec. 1, T21S, R35E

Vertical Delineation at Source

Depth bgs (ft)	[Cl] ppm
3	4766
4	68
5	124
6	119

Groundwater = 175 ft





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 R. RASCON
 122 W. TAYLOR
 HOBBS, NM 88240
 FAX TO: (505) 397-1471

Receiving Date: 06/02/04
 Reporting Date: 06/03/04
 Project Number: NOT GIVEN
 Project Name: EME AMERADA WE "F" EOL
 Project Location: NOT GIVEN

Sampling Date: 05/21/04
 Sample Type: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: AH
 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		06/02/04	06/02/04	06/03/04
H8768-1	EME AMERADA WE "F"	<10.0	19.8	496
	EOL @ 6' BTM			
Quality Control		781	785	950
True Value QC		800	800	1000
% Recovery		97.6	98.1	95.0
Relative Percent Difference		2.3	6.5	6.0

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

*Analysis performed on a 1:4 w:v aqueous extract.

Bruce J. Cook
 Chemist

6/3/04
 Date

H8768A.XLS

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

Receiving Date: 06/02/04
 Reporting Date:
 Project Number: NOT GIVEN
 Project Name: EME AMERADA WE "F" EOL
 Project Location: NOT GIVEN

Sampling Date: 05/21/04
 Sample Type: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: AH
 Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
	ANALYSIS DATE	06/02/04	06/02/04	06/02/04	06/02/04
H8768-1	EME AMERADA WE "F" EOL @ 6' BTM	<0.005	<0.005	<0.005	<0.015
	Quality Control	0.093	0.094	0.089	0.263
	True Value QC	0.100	0.100	0.100	0.300
	% Recovery	93.2	94.1	88.8	87.6
	Relative Percent Difference	1.2	3.4	2.7	2.3

METHOD: EPA SW-846 8260

Burgess J. Cooke
 Chemist

6/3/04
 Date



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) 393-2478

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name: RICE OPERATING Co. Project Manager: BOY R. RASCON Address: 122 W. TAYLOR City: Hobbs State: NM. Zip: 88240 Phone #: 393-9174 Fax #: 397-1471 Project #: EME AMARADA WE "F" EOL Project Owner: RICE Project Name: Project Location: Sampler Name: BOY R. RASCON										BILL TO ANALYSIS REQUEST									
FOR LAB USE ONLY										Lab I.D.									
Lab I.D.										Sample I.D.									
H8708-1										EME AMARADA WE "F" EOL @ 6' BTM									
(G)RAB OR (COMP)										(G) CONTAINERS									
GROUNDWATER										WASTEWATER									
WASTEWATER										SOIL									
SLUDGE										OTHER:									
ACID/BASE:										ICE/COOL:									
OTHER:										OTHER:									
PRESERV.										SAMPLING									
DATE										TIME									
5-21-04										1030									
TP H 8015 M										- 10									
BTEX																			

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.

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Sampler Relinquished: Ray R. Rascon **Date:** 6-2-04 **Time:** 13:30

Relinquished By: Amy Hill **Received By:** (Lab Staff) Amy Hill

Delivered By: (Circle One) UPS Bus Other

Sample Condition: Intact Damaged

Checked By: (Initials) AH

Phone Result: Yes No **Fax Result:** Yes No

REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to (915) 673-7020.