

1R - 427 - 36

# REPORTS

DATE:

9-30-2003

EME H-12

1R0427-36

**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	H-12	H	12	21S	35E	Lea	No Box (eliminated)		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Merchant Livestock Co. OTHER \_\_\_\_\_

Depth to Groundwater 133 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 8/14/2003 Date Completed 8/26/2003 OCD Witness No

Soil Excavated 155 cubic yards Excavation Length 23 Width 14 Depth 13 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 8/19/2003 Sample Depth 13 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	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
SIDEWALLS	<30.0 *	<10.0	<10.0	704
BOTTOM	20.8	<10.0	<10.0	704
REMEDIATED	29.5	<10.0	<10.0	416

\* Each individual wall composite was tested with the PID. None were over 30 ppm.

General Description of Remedial Action: Delineation of this site exhibited

chloride concentration declines vertically and laterally in relation to the original junction. There was no evidence of TPH impact. PID readings were taken regularly which consistently yielded minimal readouts. The excavated soil from the 23 x 14 x 13-ft-deep hole was blended and then backfilled and contoured to the surrounding surface. A new junction box will not be re-built over the location as it was re-plumbed straight through with a new poly pipeline. The disturbed surface will not be re-seeded due to the site's proximity to active oilfield facilities, structures, and a road (see photos). The site is expected to naturally re-vegetate at a normal rate.

**CHLORIDE FIELD TESTS**

LOCATION	DEPTH (ft)	ppm
5 ft East	5	891
	6	1184
	7	1008
	8	896
	9	799
	10	464
	12	525
	13	540
bottom comp.	13	518
remed. comp.	n/a	534

cc: lab results, chloride graphs, PID field notes, photos

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

DATE 9/30/2003 PRINTED NAME Kristin Farris

SIGNATURE Kristin Farris TITLE Project Scientist

# EME jct. H-12

August 2003



Jct. Box Site (after NORM removal)



Excavation



Excavation (looking North)



Backfilled

CHLORIDE CONCENTRATION CURVE

RICE Operating Company

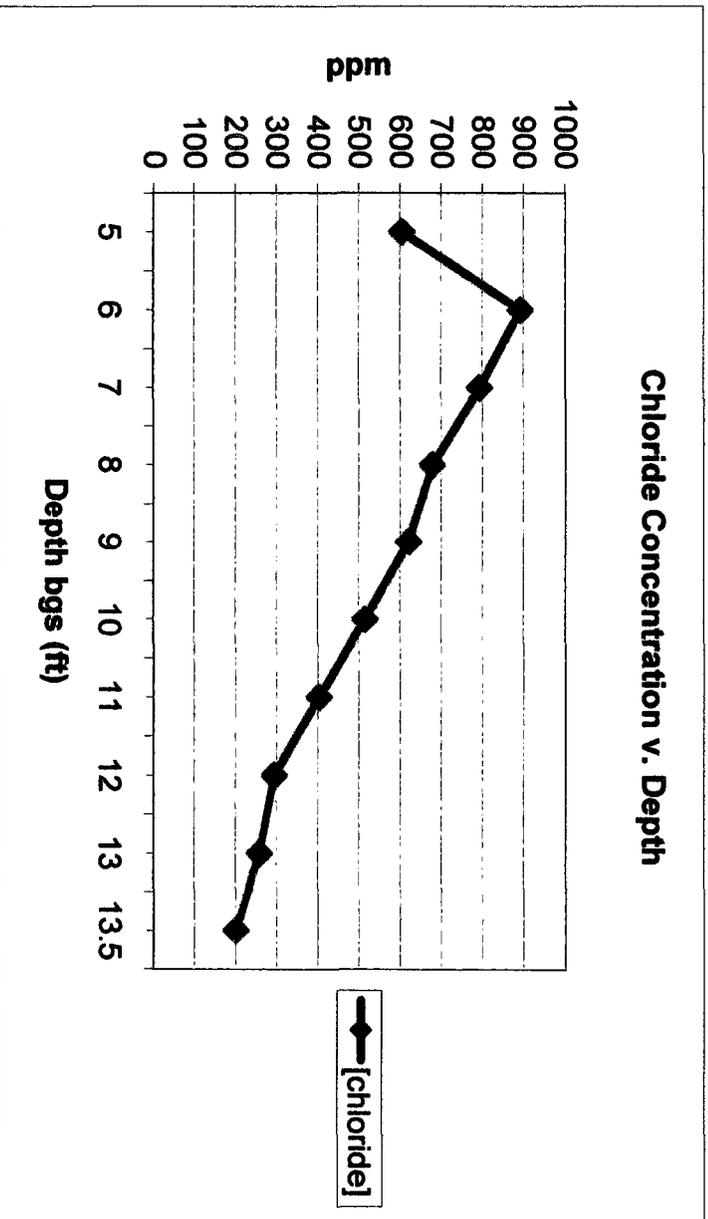
EME jct. H-12

T21S, R35E

Vertical at center of jct.

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
5	605
6	893
7	794
8	679
9	621
10	515
11	403
12	294
13	259
13.5	201

Groundwater = 133 ft



CHLORIDE CONCENTRATION CURVE

RICE Operating Company

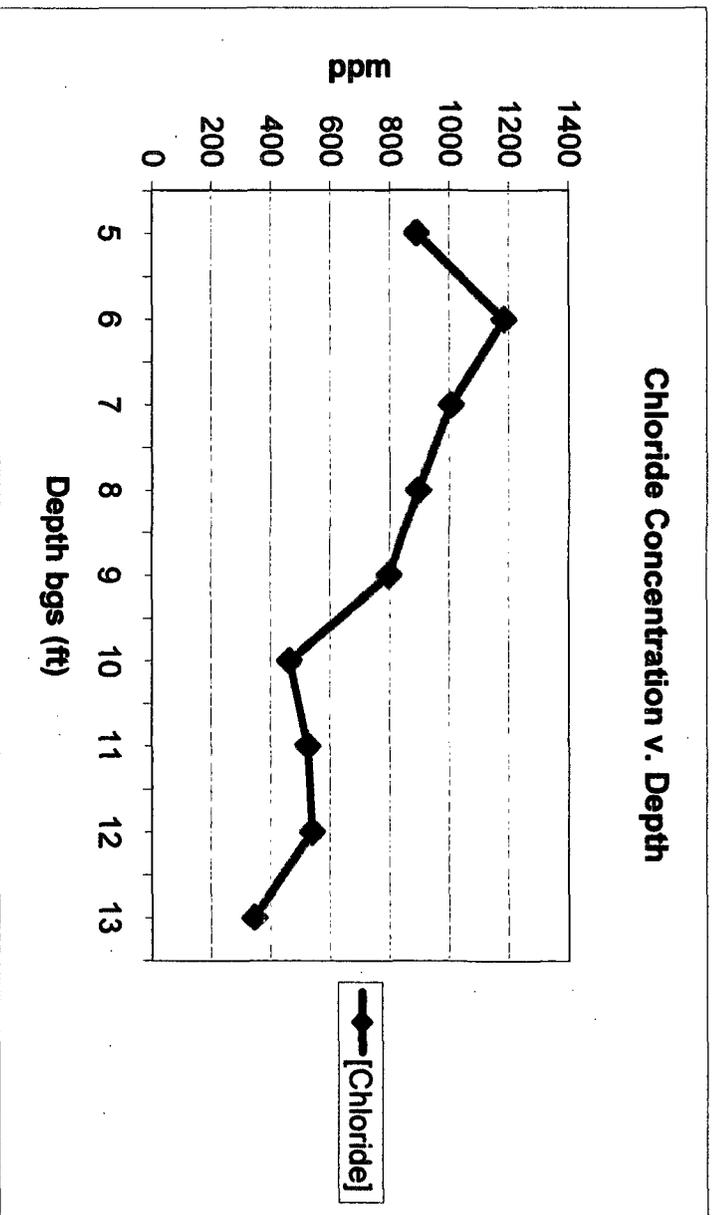
EME jct. H-12

T21S, R35E

5 ft east from center of jct.

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
5	891
6	1184
7	1008
8	896
9	799
10	464
11	525
12	540
13	345

Groundwater = 133 ft



**CHLORIDE CONCENTRATION CURVE**

**RICE Operating Company**

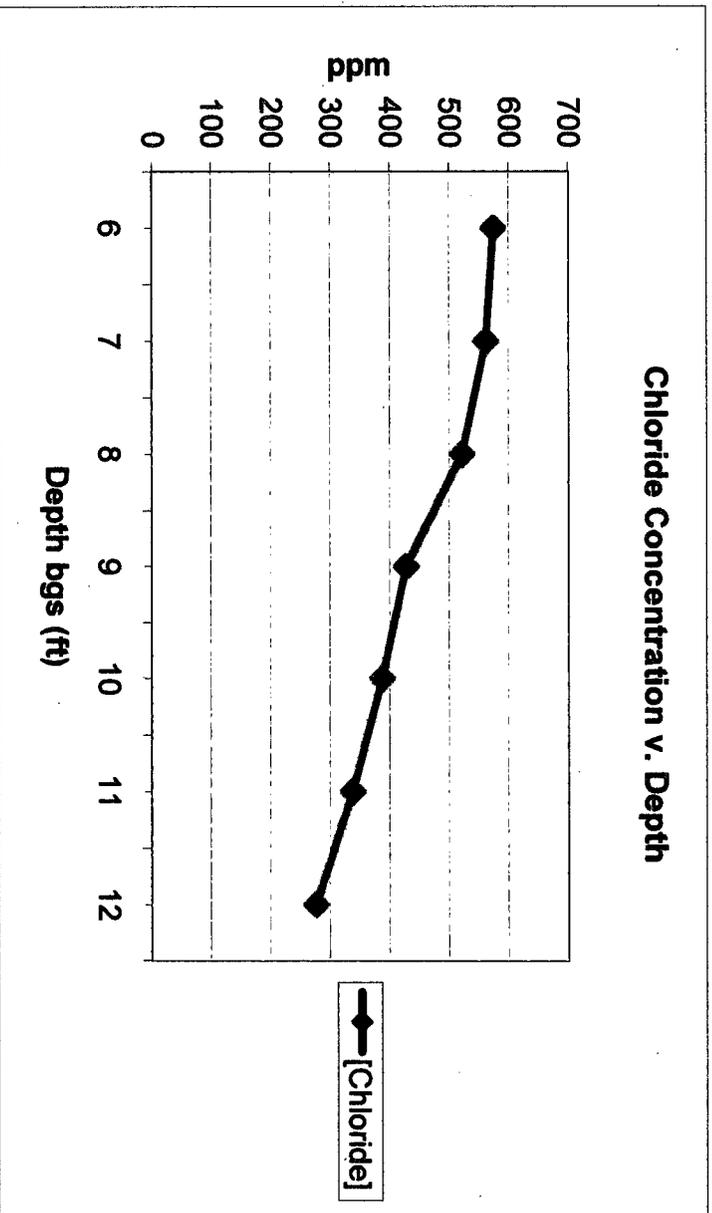
**EME jct. H-12**

T21S, R35E

10 ft east from center of jct.

Depth bgs (ft)	[Cl-] ppm
6	575
7	562
8	522
9	428
10	388
11	338
12	277

Groundwater = 133 ft



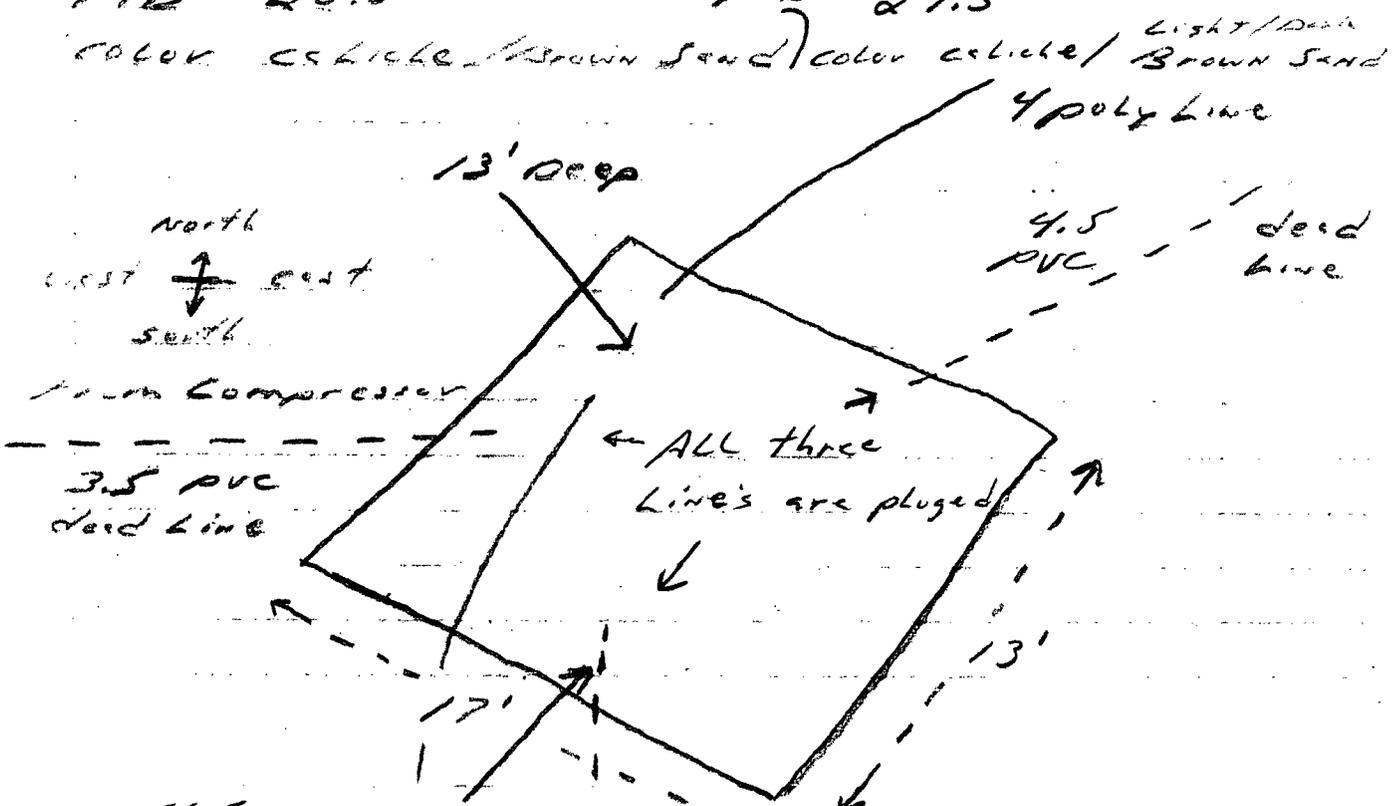
*ETGI* Gary Stahl

ETGI Jet Box Final Report  
~~Initial Report~~ EME H-12  
 8-19-03 Bottom Composite: 4 sidewall composite

<u>Bottom Composite 13'</u>	<u>N. Well</u>
ppm 518                      704 LAB	ppm 666                      672 LAB
TPH no odor	TPH no odor
PiD 20.8	PiD 21.8
color light Brown Sand	color cliche / Brown Sand

<u>S. Well</u>	<u>E. Well</u>
ppm 831                      864 LAB	ppm 194                      208 LAB
TPH no odor	TPH no odor
PiD 22.3	PiD 25.1
color cliche / Brown Sand	color cliche / Brown Sand

<u>E. Well</u>	still pile 5' point composite
ppm 1180                      1020 LAB	ppm 534                      416 LAB
TPH no odor	TPH no odor
PiD 25.5	PiD 29.5
color cliche / Brown Sand	color cliche / Brown Sand





# 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 R. RASCON  
122 W. TAYLOR  
HOBBS, NM 88240  
FAX TO:

Receiving Date: 08/19/03  
Reporting Date: 08/21/03  
Project Number: NOT GIVEN  
Project Name: EME H-12  
Project Location: LEA COOUNTY, NM

Sampling Date: 08/19/03  
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)	CI* (mg/Kg)
ANALYSIS DATE		08/20/03	08/20/03	08/20/03
H7928-1	BOTTOM COMPOSITE	<10.0	<10.0	704
H7928-2	N. WALL COMPOSITE	<10.0	<10.0	672
H7928-3	S. WALL COMPOSITE	<10.0	<10.0	864
H7928-4	W. WALL COMPOSITE	<10.0	<10.0	208
H7928-5	E. WALL COMPOSITE	<10.0	<10.0	1020
H7928-6	STOCKPILE COMPOSITE	<10.0	<10.0	416
Quality Control		812	748	1050
True Value QC		800	800	1000
% Recovery		102	93.5	105
Relative Percent Difference		2.1	0.8	5.0

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

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

Chemist

*Bryan J. Cooke*

Date

8/21/03

H7928.XLS

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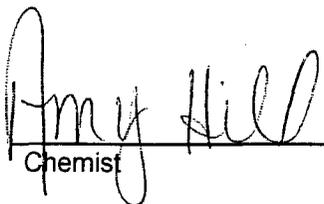
Receiving Date: 08/19/03  
Reporting Date: 09/02/03  
Project Number: NOT GIVEN  
Project Name: EME H-12  
Project Location: LEA COUNTY, NM

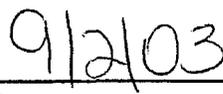
Analysis Date: 08/29/03  
Sampling Date: 08/19/03  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: GP  
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Cl <sup>-</sup> (mg/Kg)
H7928-1	COMP. N., S., E., & W. WALLS	704
Quality Control		1070
True Value QC		1000
% Recovery		107
Relative Percent Difference		1.9

METHOD: Standard Methods      4500-Cl<sup>-</sup>B

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

  
\_\_\_\_\_  
Chemist

  
\_\_\_\_\_  
Date

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h7928