

**1R - 427 - 134**

# **REPORTS**

**DATE:**

**3-22-04**

---

EME H 33

1R0427-134

**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-33	H	33	T20S	R36E	Lea	no box (eliminated)		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Dale Cooper Family Trust OTHER \_\_\_\_\_

Depth to Groundwater >100 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 2/10/2004 Date Completed 2/10/2004 OCD Witness No

Soil Excavated no excavation cubic yards Excavation Length n/a Width n/a Depth n/a feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 2/10/2004 Sample Depth 4 ft

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
4 ft Hand Auger	<0.005	<0.005	<0.005	<0.015	<10.0	<10.0	320

General Description of Remedial Action: This was the former location of a junction box that had been backfilled at an unknown date.

The site was surrounded by healthy native vegetation and there was no surface indication of impact. A hand auger was used to obtain samples down to 4 ft BGS. Chloride tests of these samples revealed minimal concentrations and there was no evidence of hydrocarbon impact.

Lab results confirmed that no further remediation work was required. A new junction box was not re-built because the pipeline was re-plumbed straight through and junction H-33 has been eliminated.

Two lab reports are included with this report. The first one reported 2220 ppm Cl- which was inconsistent with several field tests on the 4 ft hand auger sample. Cardinal Lab was contacted about ROC's concern and Cardinal staff re-tested the sample which yielded 320 ppm as reported on the modified lab report.

enclosures: chloride graph, photo, lab results

**CHLORIDE FIELD TESTS**

LOCATION	DEPTH (ft)	ppm
Vertical	0.5	117
at source	1	89
	2	89
	3	150
	4	148

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

DATE 3/22/2004 PRINTED NAME Kristin Farris

SIGNATURE *Kristin Farris* TITLE Project Scientist

**EME jct. H-33**  
T20S, R36E



Former Location of Junction Box H-33

7/25/2003

**CHLORIDE CONCENTRATION CURVE**

**RICE Operating Company**

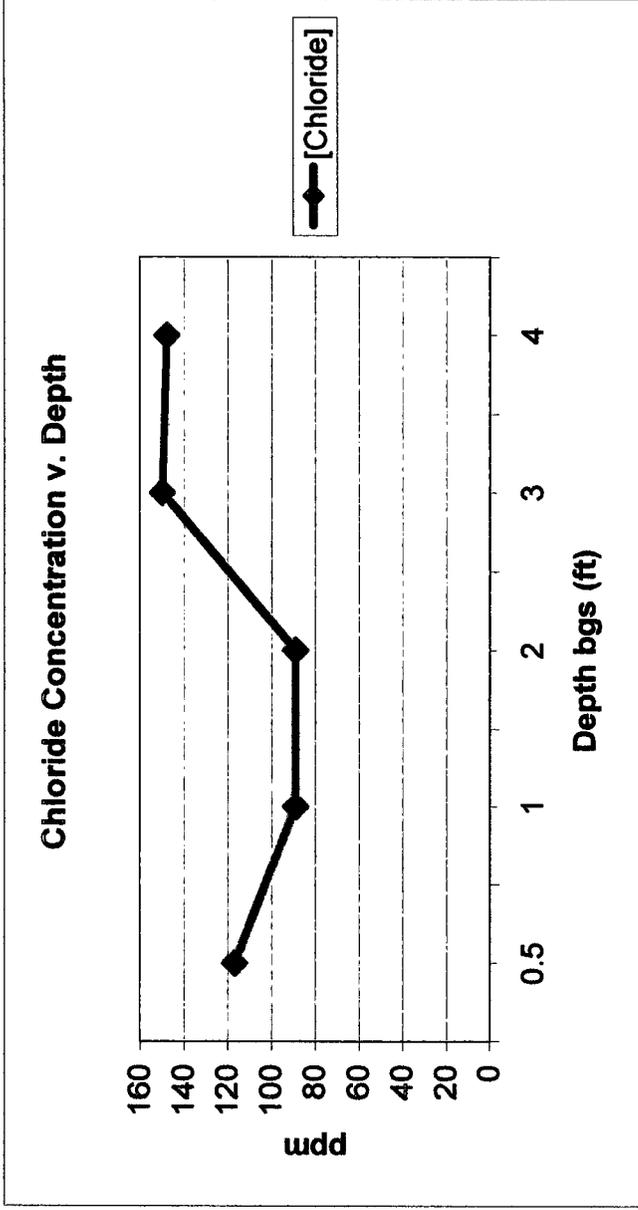
**EME jct. H-33**

T20S, R36E

*Vertical Delineation at Source*

Depth bgs (ft)	[Cl] ppm
0.5	117
1	89
2	89
3	150
4	148

Groundwater = >100 ft







# ARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

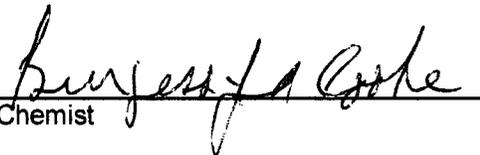
ANALYTICAL RESULTS FOR  
RICE OPERATING CO.  
ATTN: KRISTIN FARRIS  
122 W. TAYLOR  
HOBBS, NM 88240  
FAX TO: (505) 397-1471

Receiving Date: 02/11/04  
Reporting Date: 02/12/04  
Project Number: NOT GIVEN  
Project Name: EME H-33  
Project Location: LEA CO., NM

Sampling Date: 02/10/04  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		02/11/04	02/11/04	02/11/04	02/11/04
H8452-1	BOTTOM 4' HAND AUGER	<0.005	<0.005	<0.005	<0.015
Quality Control		0.092	0.094	0.096	0.290
True Value QC		0.100	0.100	0.100	0.300
% Recovery		92.1	94.0	96.4	96.6
Relative Percent Difference		0.7	3.5	0.9	2.4

METHOD: EPA SW-846 8260

  
Chemist

2/12/04  
Date





# ARDINAL LABORATORIES

PHONE (815) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

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

Receiving Date: 02/11/04  
Reporting Date: 02/12/04  
Project Number: NOT GIVEN  
Project Name: EME H-33  
Project Location: LEA CO., NM

Sampling Date: 02/10/04  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
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)	Cl* (mg/Kg)
ANALYSIS DATE		02/11/04	02/11/04	02/11/04
H8452-1	BOTTOM 4' HAND AUGER	<10.0	<10.0	2220
Quality Control		738	765	1000
True Value QC		800	800	1000
% Recovery		92.2	95.6	100
Relative Percent Difference		4.6	8.4	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB  
\*Analysis performed on a 1:4 w:v aqueous extract.

This chloride analysis raised suspicion when compared to several field tests of the sample. Amy Hill at Cardinal Lab performed the test again and stated that the 2220 ppm was an error on her part. A modified report was issued.

Burgett A. Coakley  
Chemist

KCF

2/13/04  
Date

H8452A.XLS