

1R - 427-13

# REPORTS

DATE:

2-2-2004

EME N-11

120727-13

# DISCLOSURE REPORT

**RICE OPERATING COMPANY  
JUNCTION BOX DISCLOSURE\* REPORT**

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	N-11	N	11	21S	36E	Lea	Length	Width	Depth
							Moved 150 ft west		

LAND TYPE: BLM \_\_\_\_\_ STATE X FEE LANDOWNER \_\_\_\_\_ OTHER \_\_\_\_\_

Depth to Groundwater 200 feet NMOC SITE ASSESSMENT RANKING SCORE: 0

Date Started 8/26/2003 Date Completed 9/12/2003 OCD Witness No

Soil Excavated 433 cubic yards Excavation Length 33 Width 30 Depth 12-14 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 12/31/2003 Sample Depth 80 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 NMOC 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
Soil Bore @ 80 ft	XXX	XXX	XXX	XXX	XXX	XXX	2559
10 ft West @ 14 ft (field test)	PID = 21.5 ppm				XXX	XXX	12457

General Description of Remedial Action: The junction box site was delineated

vertically and laterally with a backhoe while chloride tests and PID readings were conducted

regularly. PID readings were minimal and all readings were less than 100 ppm. The

30 x 30 x 14-ft excavation yielded no vertical or lateral declines of chloride

concentrations (see graph). A soil bore was conducted at this site in an attempt to find the

vertical extent of chloride impact. The drilling was stopped at 80 ft bgs because a conclusive

trend was not established (see graph). The site was been backfilled and marked with an

identification plate for further consideration in the future.

**ADDITIONAL EVALUATION IS LOW PRIORITY.**

enclosures: lab results, chloride graphs, photos, soil bore log, diagram, PID readings

**CHLORIDE FIELD TESTS**

LOCATION	DEPTH (ft)	ppm
Soil bore	15	696
10 ft west	20	887
of jct.	25	732
	30	792
	35	1362
	40	1143
	50	1807
	60	2005
	70	2579
	80	2549

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

DATE 2/2/2004 PRINTED NAME Kristin Farris

SIGNATURE Kristin Farris TITLE Project Scientist

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

## EME jct. N-11



Undisturbed Junction Box

7/23/2003



Backhoe Delineation & Excavation

Aug. 2003



Delineation Soil Bore 12/31/2003



Construction of New Junction Box 150 ft West of Old

Oct. 2003

# EME jct. N-11

30 ft x 33 ft Excavation

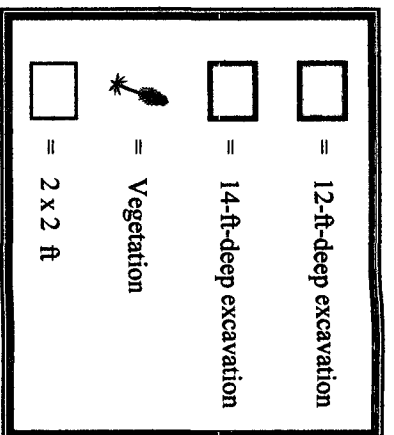


New Junction Box  
150 ft west of  
old box

150 ft west of  
old box

X Soil Bore

old junction box



CALICHE ROAD

CALICHE PAD

No Vegetation

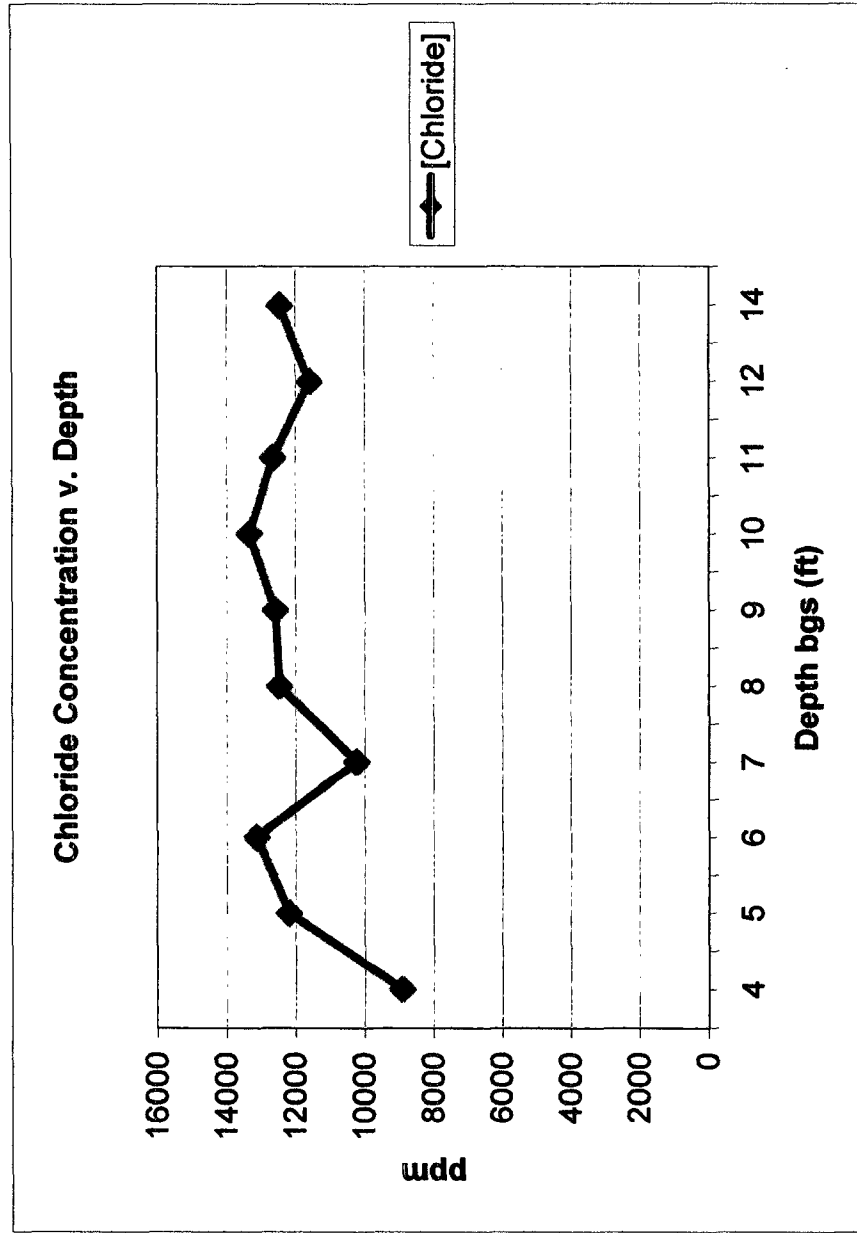
# EME jct. N-11

T21S, R36E

10 ft West of Center

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
4	8914
5	12196
6	13147
7	10238
8	12470
9	12596
10	13343
11	12656
12	11606
14	12457

Groundwater = 200 ft



# LOG OF BORING

K. Farris  
RICE Operating Company

<b>Logger:</b>	Joe Gatts; Mort Bates	<b>Client:</b>	RICE Operating Company	<b>Well ID:</b>
<b>Driller:</b>	Atkins Engineering Associates, Inc.	<b>Project Name:</b>	Jct. N-11	<b>SB-1</b>
<b>Drilling Method:</b>	Hollow Stem Auger	<b>Location:</b>	EME SWD System	
<b>Start Date:</b>	12/31/2003		Sec. 11, T21S, R36E	
<b>End Date:</b>	12/31/2003		Lea County, NM	
<b>Notes:</b>	10 ft West of old junction site TD = 80 ft      Groundwater = 200 ft			

Depth (feet)	Split Spoon chloride	PID	Description	Lithology	Additional Notes
0.0			0-3 ft Silty Sand with Caliche: loose, tan, dry		Mixed lithology backfill from original excavation to 12 - 14 ft
5.0			3-5 ft Silty Sand: loose, reddish brown, dry		
10.0			5-9 ft Silty Sand: loose, tan, dry		
15.0	696	odor	9-15 ft Broken Caliche: firm, tan, dry		
20.0	887	odor	15-17 ft Caliche: hard, tan, dry		
25.0	732	odor			
30.0	792	odor			
35.0	1362	odor			
40.0	1143	odor			
45.0					
50.0	1807	odor	17-80 ft Silty Sand: loose, tan, dry		remainder of bore backfilled with drill cuttings
55.0					
60.0	2005	odor			
65.0					
70.0	2579	odor			
75.0					
80.0	2549	odor			

lab = 2559 ppm Cl<sup>-</sup>

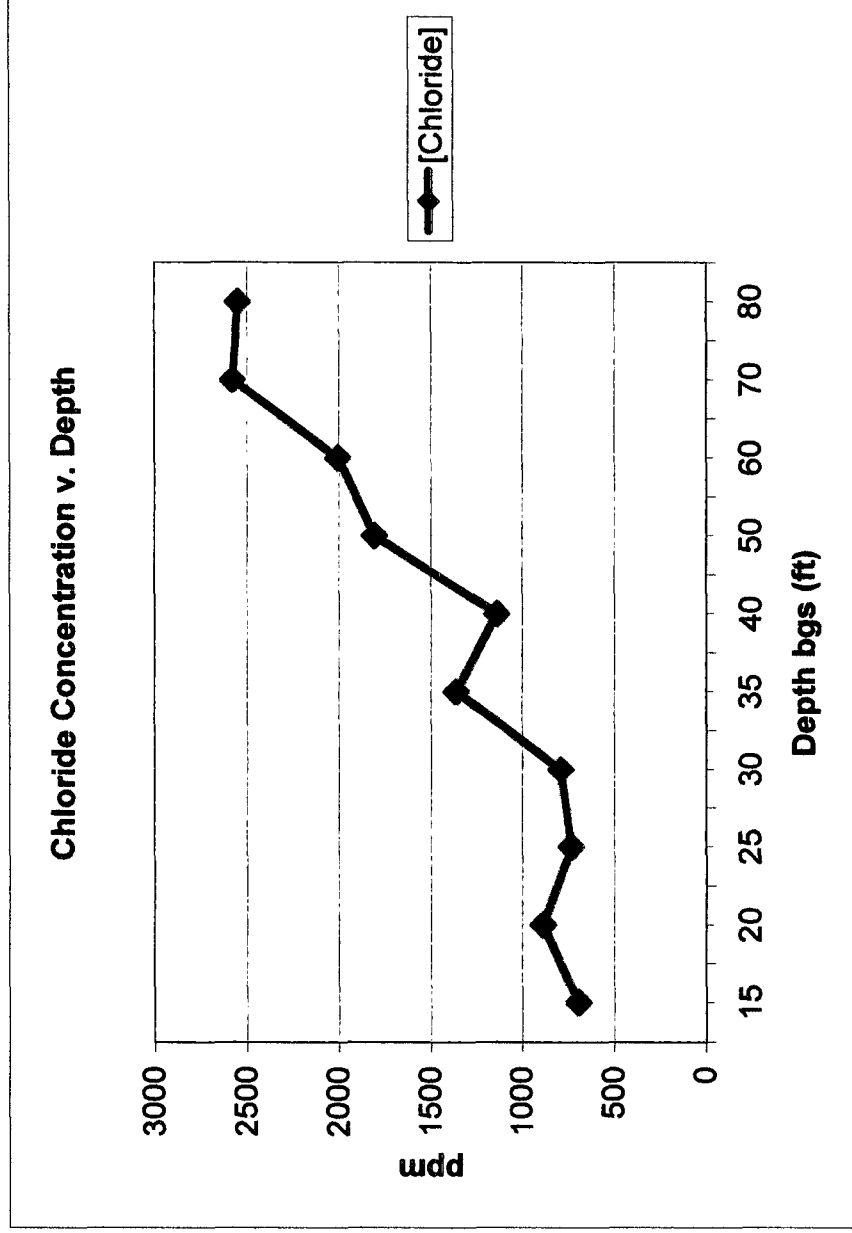
# EME jct. N-11

T21S, R36E

SOIL BORE 10 ft West of Center

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
15	696
20	887
25	732
30	792
35	1362
40	1143
50	1807
60	2005
70	2579
80	2549

Groundwater = 200 ft







# ARDINAL LABORATORIES

PHONE (325) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2328 • 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

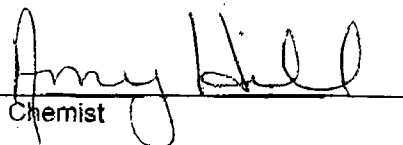
Receiving Date: 01/05/04  
Reporting Date: 01/06/04  
Project Number: NOT GIVEN  
Project Name: N-11  
Project Location: EME

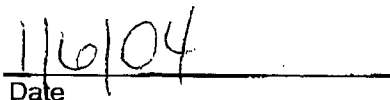
Analysis Date: 01/06/04  
Sampling Date: 12/31/03  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Cl <sup>-</sup> (mg/Kg)
H8319-1	SOIL BORE N-11 80'	2559
Quality Control		1010
True Value QC		1000
% Recovery		101
Relative Percent Difference		7.0

METHOD: Standard Methods 4500-ClB

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

  
Chemist

  
Date

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

h8319



10' W (5)

ETG2 Initial Report EME N-11

Vertical 14' North West running  
W. to E. 10' West from center

Vert 4'	Vert 5'	Vert 6'
ppm 8914	ppm 12,196	ppm 13,147
TPH Strong odor	TPH Strong odor	TPH mild odor
Light Brown Sand	Light Brown Sand	Light Brown Sand
Vert 7'	Vert 8'	Vert 9'
ppm 10,238	ppm 12420	ppm 12596
TPH Strong odor	TPH mild odor	TPH Little odor
Light Brown Sand	Caliche Light Brown Sand	Caliche Light Brown Sand
Vert 10'	Vert 11'	Vert 12'
ppm 13,343	ppm 12,656	ppm 11606
TPH Little odor	TPH Little odor	TPH Little odor
Caliche Light Brown Sand	Caliche Light Brown Sand	Caliche Light Brown Sand
<del>ppm</del> PID 27.3	PID 40.9	PID 37.5
Skip Vert 13'	Vert 14'	
	ppm 12,457	
	TPH no odor	
	Light Brown Sand	
	PID 21.5	