

1R - 427 - 136

REPORTS

DATE:

3-29-04

EME C-11 EOL Boot

1R0427-136

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	C-11 EOL boot	R	2	21S	36E	Lea	Moved 34 ft South		

LAND TYPE: BLM _____ STATE X FEE LANDOWNER _____ OTHER _____

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

Date Started 3/16/2004 Date Completed 3/16/2004 OCD Witness No

Soil Excavated 12 cubic yards Excavation Length 9 Width 3 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 3/16/2004 Sample Depth 12 ft

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
Vertical @ 12 ft	0.0	<10.0	<10.0	304

TPH, BTEX and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

General Description of Remedial Action: This junction box was located off a dirt lease road. A vertical delineation trench was made using a backhoe and samples were field-tested for chloride and VOC's. Chloride concentrations exhibited a conclusive trend of declination (see graph). All PID readings were 0.0 ppm and TPH lab results confirmed concentrations well below NMOCD guidelines. The excavated soil was blended on-site and then backfilled into the location. The disturbed surface will be re-seeded with a blend of native vegetation and is expected to return to productive capacity at a normal rate. A new watertight junction box has been built 34 ft south of this site.

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
Vertical	6	954
at Junction	7	320
	8	281
	9	193
	10	273
	11	317
	12	320
background	0.5	119

enclosures: chloride graph, photos, lab results, PID results

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

DATE 3/29/2004 PRINTED NAME Kristin Farris

SIGNATURE *Kristin Farris* TITLE Project Scientist

EME C-11 EOL boot



Undisturbed box

11/19/2003



Completed new junction box 34 ft south

1/22/2004



Vertical delineation at old junction

3/16/2004



Backfilling excavation

3/16/2004

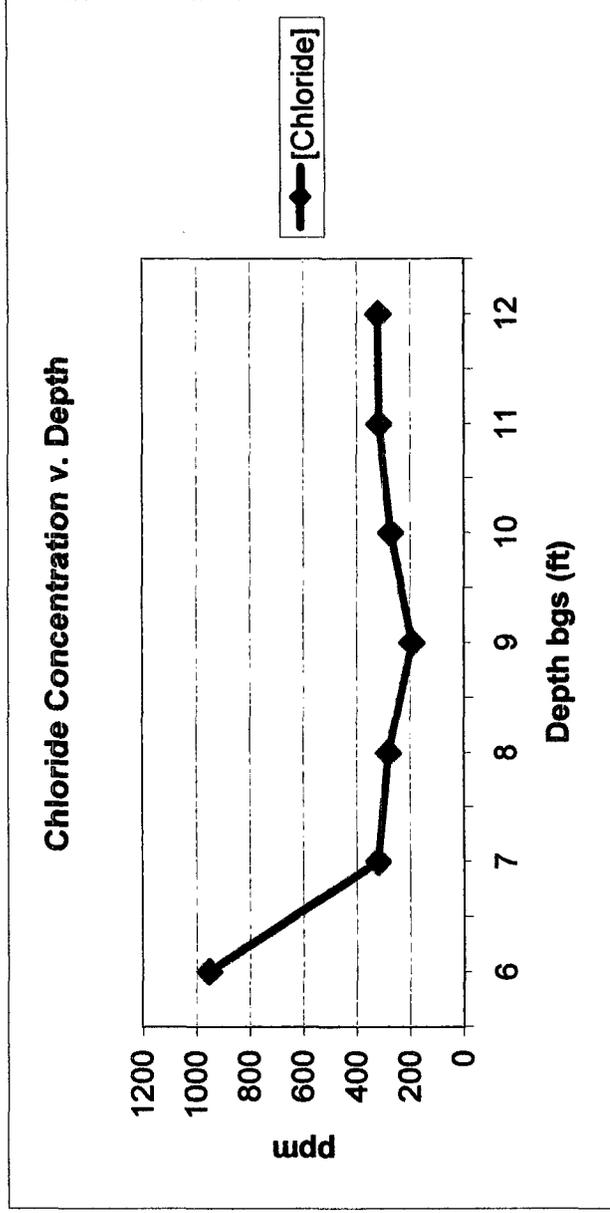
EME C-11 EOL boot

Unit R, Sec. 2, T21S, R36E

Vertical Delineation at Source

Depth bgs (ft)	[Cl] ppm
6	954
7	320
8	281
9	193
10	273
11	317
12	320

Groundwater = >100 ft



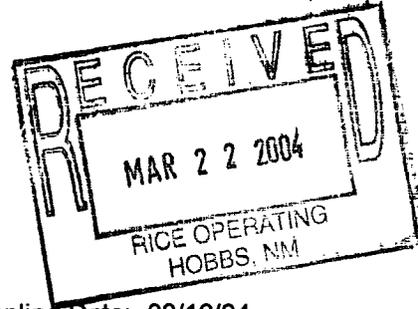


**ARDINAL
LABORATORIES**

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



Receiving Date: 03/16/04
Reporting Date: 03/18/04
Project Number: NOT GIVEN
Project Name: OXY C-11
Project Location: EME

Sampling Date: 03/16/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
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	03/16/04	03/16/04	03/17/04
H8532-1 SOURCE AT 12' BGS	<10.0	<10.0	304
Quality Control	817	762	1000
True Value QC	800	800	1000
% Recovery	102	95.2	100
Relative Percent Difference	1.9	3.4	0.0

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


Chemist

3/18/04
Date

H8532.XLS

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.

RICE OPERATING COMPANY

122 WEST TAYLOR

HOBBS, NEW MEXICO 88240

PHONE: (505) 393-9174 FAX: (505) 397-1471

VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S

SERIAL NO: 104412

CALIBRATION GAS

GAS COMPOSITION: ISOBUTYLENE

100 PPM

AIR

BALANCE

LOT NO: 02-22-30

FILL DATE: 5/20/03

EXP. DATE: 11/20/04

ACCURACY: ± 2%

METER READING

ACCURACY: 99.8

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	Dxy C-11	R	2	21	36

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Source 5' bsp	0		
Source 6' bsp	0		
Source 7' bsp	0		
Source 8' bsp	0		
Source 9' bsp	0		
Source 10' bsp	0		
Source 11' bsp	0		
Source 12' bsp	0		

I certify that I have calibrated the above instrument in accordance to the manufacture operation manual.

Joe Scott
Signature

3/16/04
Date