

**1R - 427 - 139**

# **REPORTS**

**DATE:**

**7-26-04**

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EME 0-35 North

1R0 427-139

# **FINAL REPORT**

**RICE OPERATING COMPANY  
JUNCTION BOX FINAL REPORT**

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	O-35 North	O	35	20S	36E	Lea	Length	Width	Depth
							Moved 200 ft Northeast (outside battery)		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Tuffy Cooper OTHER \_\_\_\_\_

Depth to Groundwater 122 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 3/22/2004 Date Completed 3/22/2004 OCD Witness No

Soil Excavated 13 cubic yards Excavation Length 10 Width 3 Depth 12 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 3/22/2004 Sample Depth 12 ft

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

**CHLORIDE FIELD TESTS**

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
VERTICAL @ 12 ft	0.0	<10.0	<10.0	160
33 ft East @ 12 ft (background)	XXX	<10.0	<10.0	128

LOCATION	DEPTH (ft)	ppm
Vertical	5	449
at box	6	453
	7	407
	8	321
	9	175
	10	294
	11	178
	12	171
background 33 ft East	12	165

General Description of Remedial Action: This was the North box of 2 that were located inside an active production facility. Vertical delineation was conducted with a backhoe while chloride field tests were performed every foot. Chloride concentrations exhibited a conclusive decline in concentrations (see graph), indicative of non-saturated vadose conditions and not threatening to groundwater at 122 ft BGS. PID field screening results were minimal and lab analysis confirmed TPH concentrations well below NMOCD guidelines. The excavation trench was backfilled and contoured to the surrounding surface. A new watertight junction box has been built outside the battery approximately 200 ft Northeast of this box.

enclosures: chloride graph, photos, lab results, PID field screenings, diagram

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

SITE SUPERVISOR Joe Gatts SIGNATURE *Joe Gatts* COMPANY RICE Operating Company

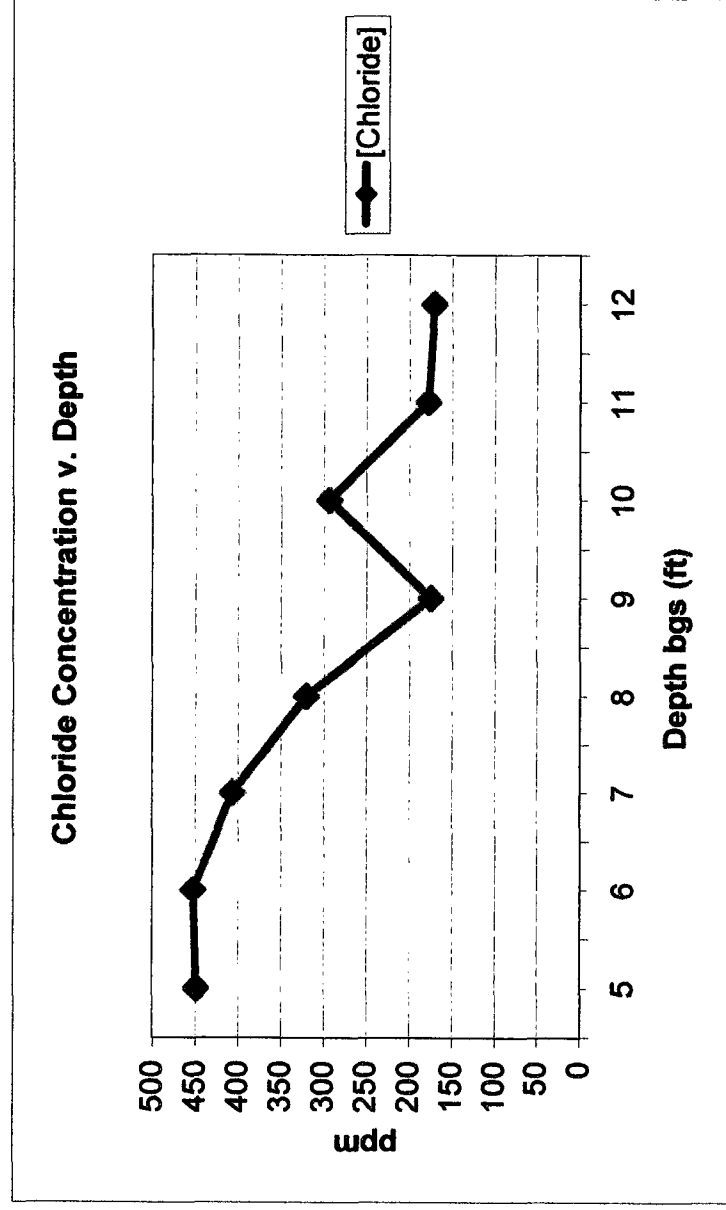
REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE *Kristin Farris Pope*

DATE 7/26/2004 TITLE Project Scientist

**EME jct. O-35 North**  
T20S, R36E*Vertical Delineation at Source*

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
5	449
6	453
7	407
8	321
9	175
10	294
11	178
12	171

Groundwater = 122 ft



## EME jct. O-35 North Box



Boxes inside battery (looking SW); North box on right. 12/30/02



Vertical delineation with backhoe 3/22/04



Construction of new junction box 200 ft NE 9/26/03

# EME jct. O-35 North & South

Unit 'O', Sec. 35, T20S, R36E

\*\*\* NOT TO SCALE \*\*\*



= Excavation trench



= Soil Bore Location

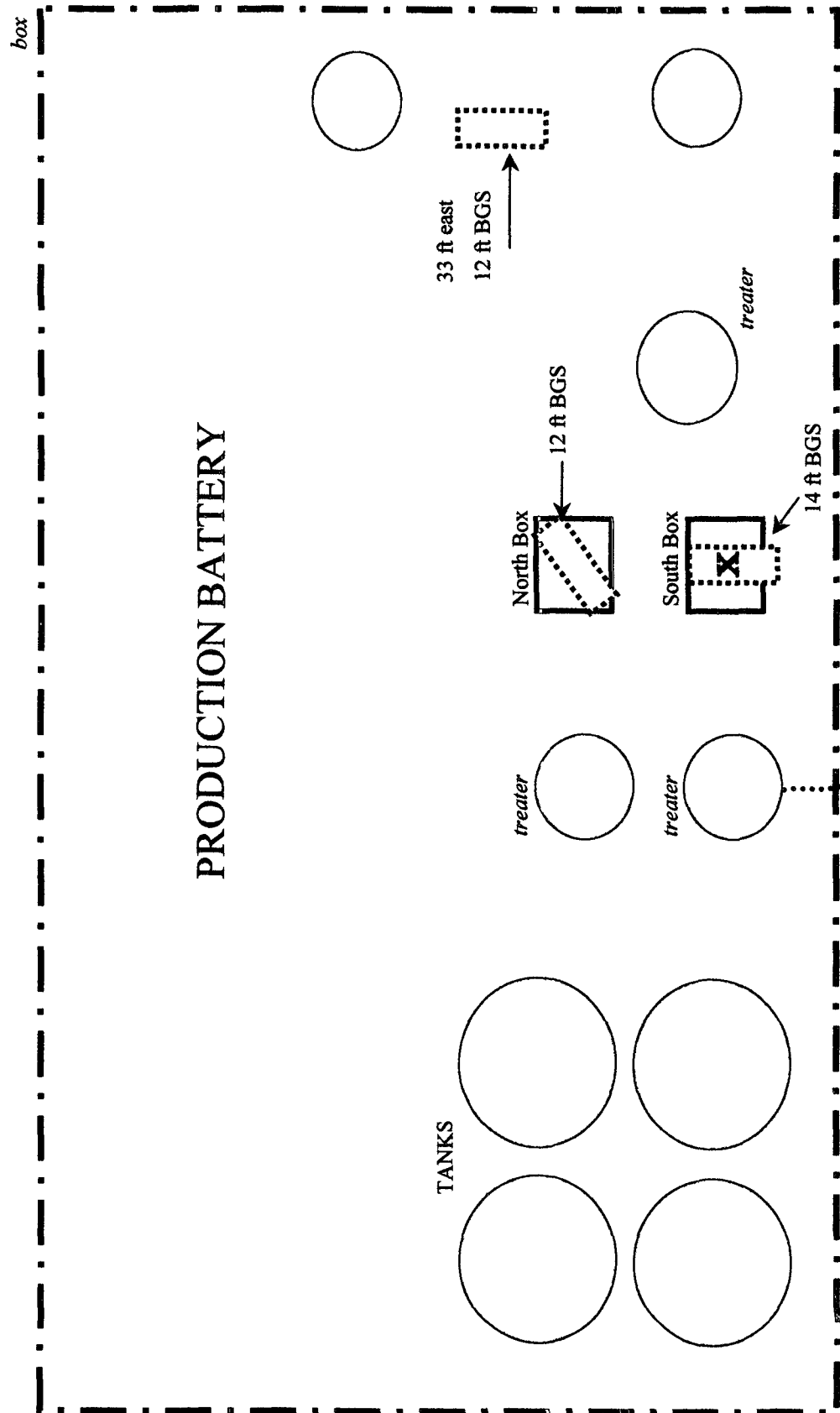
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LEASE ROAD



new junction  
box



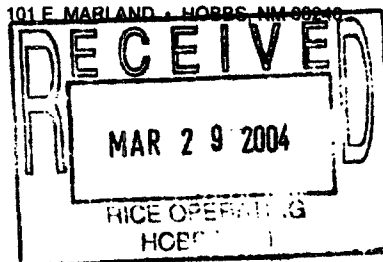
PRODUCTION BATTERY



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: 03/22/04  
Reporting Date: 03/23/04  
Project Number: NOT GIVEN  
Project Name: JCT. O-35  
Project Location: EME

Sampling Date: 03/22/04  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC/AH

LAB NO.	SAMPLE ID	GRO	DRO	Cl*
		(C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	(>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	
	ANALYSIS DATE	03/22/04	03/22/04	03/23/04
H8550-1	NORTH BOX 12' BGS	<10.0	<10.0	160
H8550-2	SOUTH BOX 12' BGS	<10.0	<10.0	1070
H8550-3	33' EAST OF N. BOX 12' BGS	<10.0	<10.0	128
	Quality Control	843	835	980
	True Value QC	800	800	1000
	% Recovery	105	104	98.0
	Relative Percent Difference	5.6	1.1	2.0

**METHODS:** TPH GRO & DRO: EPA SW-846 8015 M; Cl<sup>-</sup>: Std. Methods 4500-Cl<sup>-</sup>B

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

Buyers JA Roche  
Chemist

3/23/04  
Date

H8550.XLS

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

**† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476**



# 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: + or - 2%

METER READING

ACCURACY: 99.8

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	0-35	0	75	T205	R36E

SAMPLE	PID RESULT	SAMPLE	PID RESULT
N. Box 5'bp	194	S. Box 10'bp	0
N. Box 6'bp	144	S. Box 11'bp	0
N. Box 7'bp	31	S. Box 12'bp	0
N. Box 8'bp	17	S. Box 13'bp	0
N. Box 9'bp	0	S. Box 14'bp	0
N. Box 10'bp	0		
N. Box 11'bp	0		
N. Box 12'bp	0		
S. Box 5'bp	147		
S. Box 6'bp	120		
S. Box 7'bp	55		
S. Box 8'bp	15		
S. Box 9'bp	0		

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

  
Signature

3/22/04  
Date