

1R - 427 - 35

REPORTS

DATE:

1-28-2004

EME E-30

1R0427-35

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	E-30	E	30	21S	36E	Lea	moved 70 ft Northwest		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Dasco Land Corp. OTHER _____

Depth to Groundwater 230 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 12/18/2003 Date Completed 1/23/2004 OCD Witness No

Soil Excavated 300 cubic yards Excavation Length 30 Width 30 Depth 9 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 12/31/2003 Sample Depth 9 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	87.5	<10.0	41.8	496
BOTTOM	92.1	<10.0	<10.0	704
REMEDIED	92.1	<10.0	346	672

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
vertical	3	567
	4	506
	5	269
	6	208
	7	237
	8	295
	9	237
bottom comp.	9	597
4-wall comp.	n/a	421
remed. comp.	n/a	567

General Description of Remedial Action: Vertical delineation at the junction

box exhibited a vertical decline of chloride concentrations with depth. As a 30 x 30 x 9-ft deep excavation was produced, PID readings and chloride tests were performed regularly. PID closure readings were below 100 ppm and lab results confirm that TPH concentrations are below NMOCD guidelines. The excavated soil was mixed and backfilled into the hole and contoured to the surrounding surface. A new watertight junction box has been built 80 ft northwest of this location. The disturbed surface is expected to naturally return to productive capacity at a normal rate.

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 1/28/2004 PRINTED NAME Kristin Farris
SIGNATURE *Kristin Farris* TITLE Project Scientist

EME jct. E-30



Undisturbed Junction Box

11/18/2003



Delineation & Excavation

Dec. 2003



New plumbing at new box site 70 ft NW of old one

12/8/2003



Backfilled excavation looking SE from new box

1/23/2004

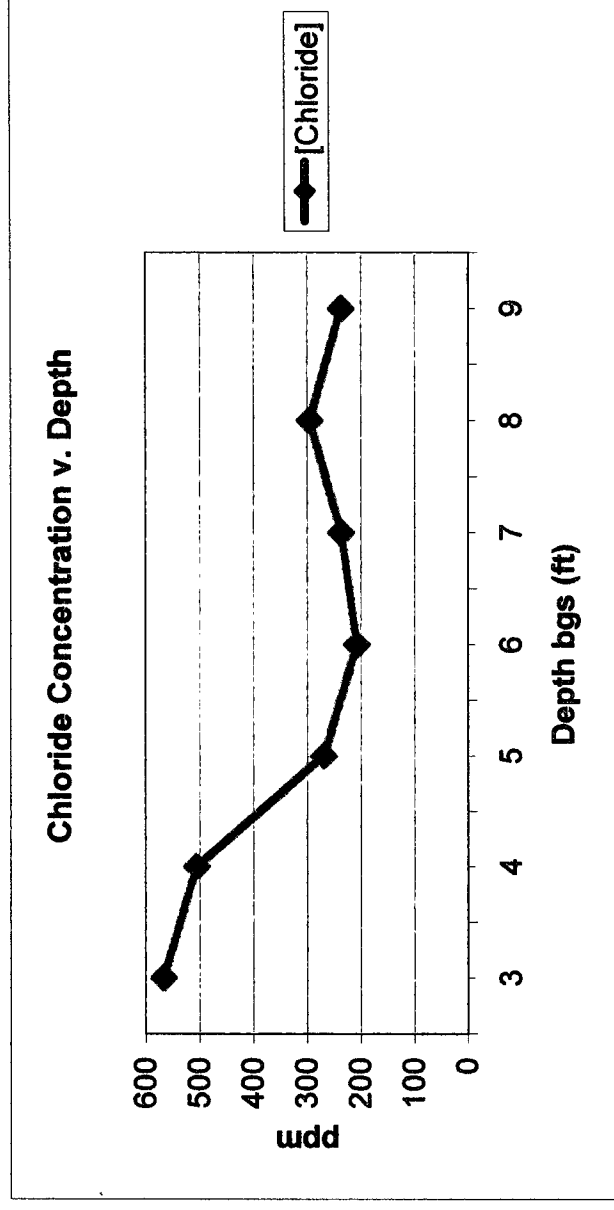
EME jct. E-30

T21S, R36E

Vertical Delineation at Source

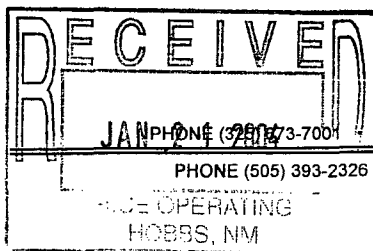
Depth bgs (ft)	[Cl ⁻] ppm
3	567
4	506
5	269
6	208
7	237
8	295
9	237

Groundwater = 230 ft





**ARDINAL
LABORATORIES**



2111 BEECHWOOD • ABILENE, TX 79603

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: 01/07/04
Reporting Date: 01/08/04
Modified Reporting Date: 01/17/04
Project Number: NOT GIVEN
Project Name: EME E-30
Project Location: LEA CO., NM

Sampling Date: 12/30/03 & 12/31/03
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC/AH

MODIFIED REPORT

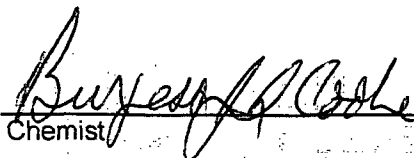
LAB NUMBER	SAMPLE ID	GRO	DRO	Cl*
		(C ₆ -C ₁₀) (mg/Kg)	(>C ₁₀ -C ₂₈) (mg/Kg)	(mg/Kg)
ANALYSIS DATE		01/07/04	01/07/04	01/07/04
H8333-1	BOTTOM 9' COMP	<10.0**	<10.0**	704
H8333-2	4 WALL COMP	<10.0	41.8	496***
H8333-3	REMEDIATED BACKFILL	<10.0	346	672
Quality Control		712	742	1010
True Value QC		800	800	1000
% Recovery		89.0	92.8	101
Relative Percent Difference		3.4	2.3	7.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB

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

**Analysis Date: 01/16/04

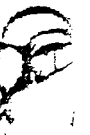
*** Matrix interference (color) observed.


Chemist

1/17/04
Date

H8333.XLS

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(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2470

CHAIN OF CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

ANALYSIS REQUEST

P.O. #

Bill 11

Company: **RICE**

Address: **122 W. Taylor**

City: **Hobbs, NM**

State: **NM** Zip: **88240**

Phone #

393-9174

Fax #

397-1471

Project #

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Project Name

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Project Location

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Sample Name

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For Lab Use Only

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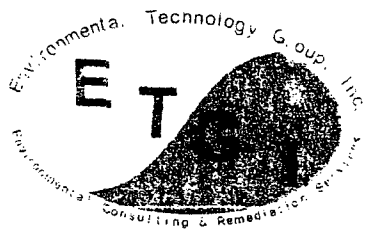
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ENVIRONMENTAL TECHNOLOGY GROUP, INC.

2540 WEST MARLAND

HOBBS, NEW MEXICO 88240

PHONE: (505) 397-4882 FAX: (505) 397-4701

VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S

SERIAL NO: 103999

CALIBRATION GAS

GAS COMPOSITION: ISOBUTYLENE

100 PPM

BALANCE

LOT NO: 67401

FILL DATE: 12-30-03

EXP. DATE: 11/24

ACCURACY: 100ppm ± 2%

METER READING

ACCURACY: 100.2

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
<u>EME</u>	<u>E-30</u>	<u>E</u>	<u>30</u>	<u>215</u>	<u>36E</u>

CONOCO Leekhart A-3050L

SAMPLE	PID RESULT	SAMPLE	PID RESULT
<u>Composite</u>		<u>East 20'</u>	
<u>Sample</u>		<u>Comp</u>	<u>93.4</u>
<u>North 20'</u>		<u>Bottom 9'</u>	
<u>Comp</u>	<u>20.1</u>	<u>Comp</u>	<u>92.1</u>
<u>South 10'</u>		<u>Remediated</u>	
<u>Comp</u>	<u>0.0</u>	<u>Gravel Pit</u>	<u>315</u>
<u>West 10'</u>		<u>4 Well</u>	
<u>Comp</u>	<u>20.1</u>	<u>Comp</u>	<u>87.5</u>

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

[Signature] Field Tech 12-30-03
Signature Title Date