

1R - 427-16

REPORTS

DATE:

1-28-2004

EMF Cal 1360 State 'H' (auth)

1R0927-16

DISCLOSURE REPORT

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

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
EME	Oil & Gas State 'H' (south)	E	17	20S	37E	Lea	moved 50 ft South		

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

Depth to Groundwater 27 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 11/6/2003 Date Completed 11/21/2003 OCD Witness No

Soil Excavated 59 cubic yards Excavation Length 20 Width 20 Depth 4 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 11/7/2003 Sample Depth 4 ft bgs

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	0.0	<10.0	<10.0	416
BOTTOM	0.0	<10.0	<10.0	848
REMIEDIATED	0.0	<10.0	<10.0	1180

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
Vertical	4	1775
	6	2213
	8	1479
	10	508
	12	1549
	14	1327
4-wall comp.	n/a	308
bottom comp.	4	848
remed. comp.	n/a	1025

General Description of Remedial Action: This site was composed of two boxes that were approximately 5 ft apart. Vertical delineation at each box did not result in a conclusive decline of chloride impact (see graph). All PID readings were 0.0 ppm and TPH concentrations were well below NMOCD guidelines. A 20 x 20 x 4-ft deep excavation was made around the boxes and at 4 ft bgs, a 1.5 ft compacted clay barrier was installed to inhibit further chloride migration. The excavated soil was landfarmed on site and then backfilled on top of the clay and the surface was contoured to the surrounding terrain. The disturbed surface has been seeded with a blend of native vegetation. A new EOL box has been built approximately 50 ft south of this location.

ADDITIONAL EVALUATION IS *HIGH* PRIORITY.

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

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

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

EME State 'H' 17 EOL North & South Boxes



Undisturbed north and south boxes

8/6/2003

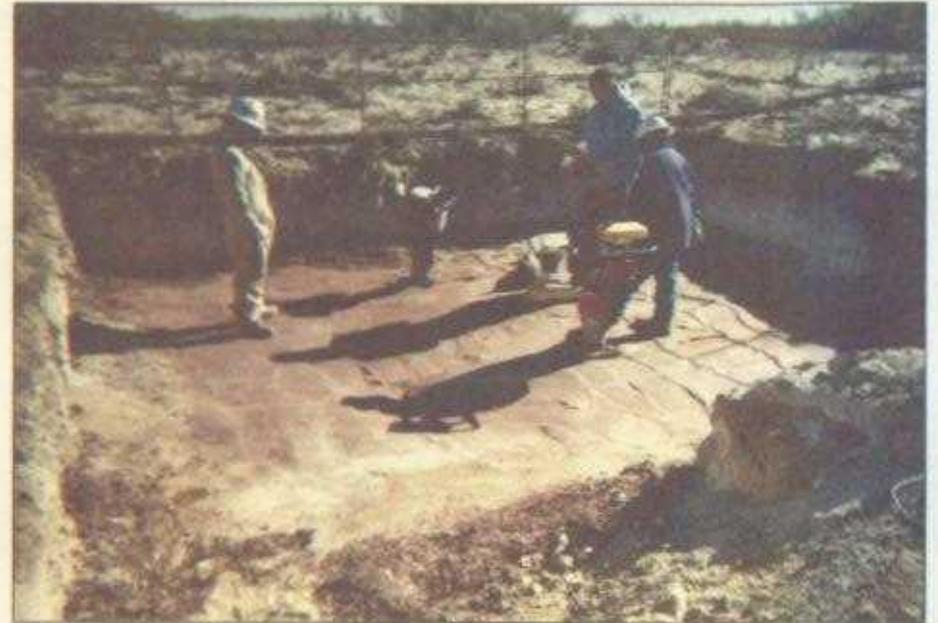


Completed new box 50 ft south of old boxes in background

10/15/2003



Beginning excavation & delineation 11/6/2003



Testing compacted clay 11/20/2003



Seeding disturbed surface



Identification plate marking clay liner

CHLORIDE CONCENTRATION CURVE

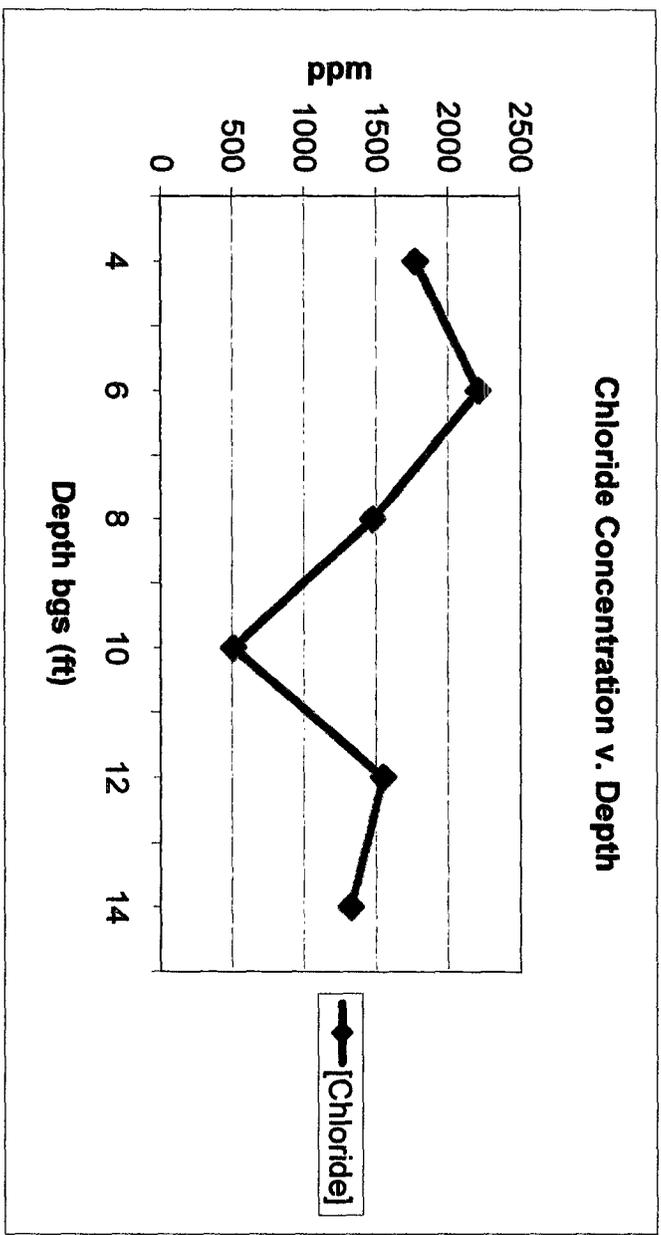
RICE Operating Company

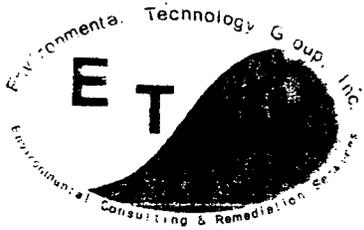
Oil & Gas State 'H' South EOL

Unit 'D', Sec. 17, T20S, R37E

Depth bgs (ft)	[Cl ⁻] ppm
4	1775
6	2213
8	1479
10	508
12	1549
14	1327

Groundwater = 27 ft





ENVIRONMENTAL TECHNOLOGY GROUP, INC.

2540 WEST MARLAND

HOBBS, NEW MEXICO 88240

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VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S

SERIAL NO: 103999

CALIBRATION GAS

100 PPM

GAS COMPOSITION: ISOBUTYLENE
AIR

BALANCE

LOT NO: 67401

FILL DATE: 11-7-03

EXP. DATE: 11-16-04

ACCURACY: 100ppm ± 2%

METER READING

ACCURACY: 100.6

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
<i>EME</i>	<i>Oil & Gas operation ST-117</i>	<i>D</i>	<i>17</i>	<i>20</i>	<i>37</i>

SAMPLE	PID RESULT	SAMPLE	PID RESULT
<i>Remediated</i>			
<i>backfill</i>	<i>0.0</i>		
<i>Bottom 4'</i>	<i>0.0</i>		
<i>1/2 wall</i>	<i>0.0</i>		

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

[Signature]
Signature

Field Tech
Title

11-7-03
Date



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: 11/13/03
Corrected Reporting Date: 03/02/03
Project Number: NOT GIVEN
Project Name: OIL & GAS OPERATION ST H-17 EOL
Project Location: LEA CO., NM

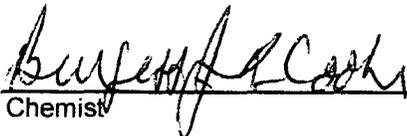
Sampling Date: 11/07/03
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/HM

CORRECTED REPORT

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		11/14/03	11/14/03	11/14/03
H8175-1	BOTTOM 4'	<10.0	<10.0	848
H8175-2	4 WALL COMP.	<10.0	<10.0	416
H8175-3	REMEDIATED BACKFILL	<10.0	<10.0	1180
Quality Control		782	725	1000
True Value QC		800	800	1000
% Recovery		97.8	90.6	100
Relative Percent Difference		1.3	6.0	2.0

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

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


Chemist


Date

H8175C.XLS

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