

1R - 427-15

# REPORTS

DATE:

1-28-2004

EME Oil & Gas State  
W (nech)

120 927-45

# DISCLOSURE REPORT

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

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	Oil & Gas State 'H' (north)	E	17	20S	37E	Lea	Length	Width	Depth
							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
REMEDIATED	0.0	<10.0	<10.0	1180

**CHLORIDE FIELD TESTS**

LOCATION	DEPTH (ft)	ppm
Vertical	4	1633
	6	2699
	8	1845
	10	661
	12	1157
	14	2182
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 landfamed 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



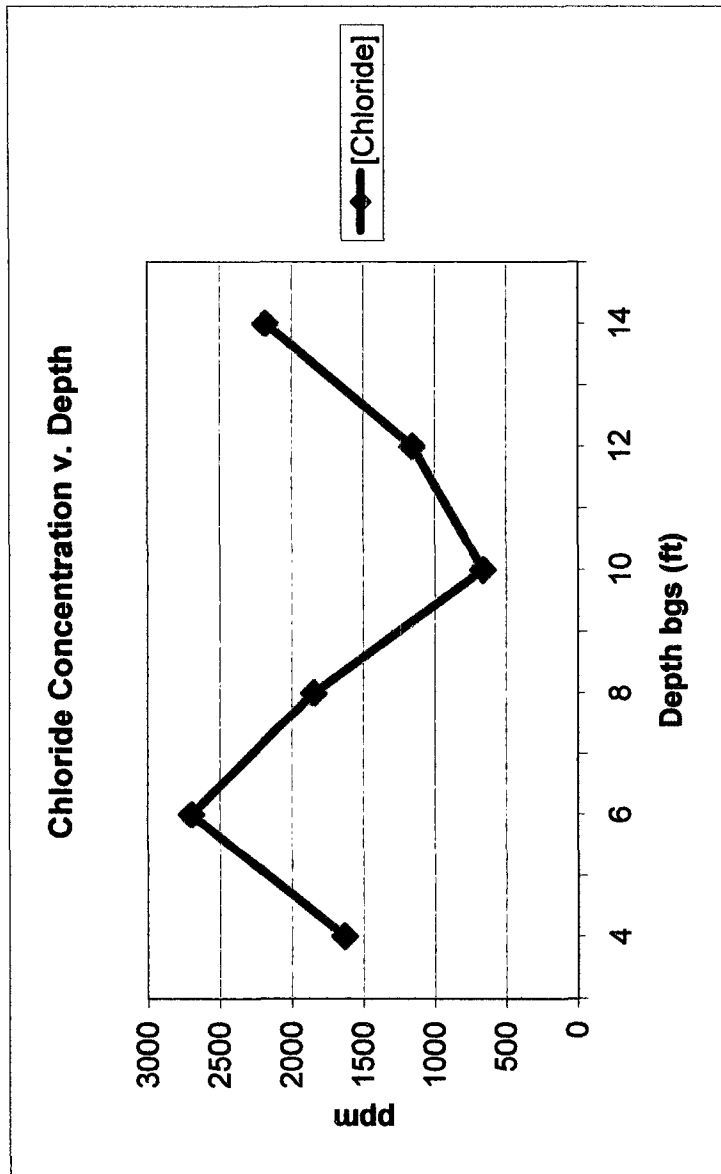
Identification plate marking clay liner

# Oil & Gas State 'H' North EOL

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

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
4	1633
6	2699
8	1845
10	661
12	1157
14	2182

Groundwater = 27 ft







# 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

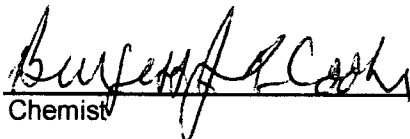
Sampling Date: 11/07/03  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC/HM


## CORRECTED REPORT

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	CI* (mg/Kg)
		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	REMEDIED 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; CI: Std. Methods 4500-CIB

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

  
Chemist

  
Date

H8175C.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.



# ARRIVAL LABORATORIES, INC.

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## CHAIN OF CUSTODY AND ANALYSIS REQUEST

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### ANALYSIS REQUEST

Company Name: RICE Operating Company  
Project Manager: Kristin Farris

Address: 122 W. Taylor

City: Hobbs,

State: NM Zip: 88240

Phone #: 505-9174

Fax #: 397-1971

Project #:

Project Owner:

Project Name: Oil & Gas Operation ST 4112 EOL

Project Location: Les

Sample Name: Geop. 5.5.14

Form 1012-017

Lab ID: Sample ID.

481751 Bottom 4'  
2 4" Well Comp  
2 Remediated brackish

Sampler Rollup/Unspun:

Rollup/Unspun By:

Delivered By: (Circle One)

Supplier: UPS - Bus - Other:

P.O. #:

Company: RICE

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

MATRIX

PRESERV

SAMPLES

(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	ISOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL:	OTHER:
<u>C</u>	<u>6</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>

DATE: 11/13 TIME: 9:42

DATE: 11/13 TIME: 10:05

DATE: 10/15

TPW 8015

Chloride

Phone Result: Yes No

Lab Result: Yes No

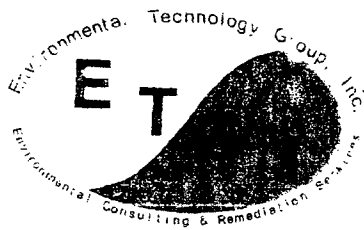
Add'l Phone #: Add'l Fax #:

REMARKS:

For copy to Rice

I understand cannot accept verbal changes. Please fax written changes to 505-393-2476.





# 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

CALIBRATION GAS

GAS COMPOSITION: ISOBUTYLENE

AIR

SERIAL NO: 103999

100 PPM

BALANCE

LOT NO: 67401

FILL DATE: 11-7-03

EXP. DATE: 11-7-04

ACCURACY: 100ppm ± 2%

METER READING

ACCURACY: 100.6

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
<u>EME</u>	<u>Oil &amp; Gas Operation ST-112</u>	<u>D</u>	<u>17</u>	<u>20</u>	<u>37</u>

SAMPLE	PID RESULT	SAMPLE	PID RESULT
<u>Remediated</u>			
<u>Backfill</u>	<u>0.0</u>		
<u>Bottom 4'</u>	<u>0.0</u>		
<u>1 Wall</u>	<u>0.0</u>		

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