

1R - 427-17

# REPORTS

DATE:

12-30-03

TME Sarah Phillips EOL

1R0427-17

# DISCLOSURE REPORT

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

**BOX LOCATION**

| SWD SYSTEM | JUNCTION           | UNIT | SECTION | TOWNSHIP | RANGE | COUNTY | BOX DIMENSIONS - FEET |       |       |
|------------|--------------------|------|---------|----------|-------|--------|-----------------------|-------|-------|
| EME        | Sarah Phillips EOL | K    | 33      | 19S      | 37E   | Lea    | Length                | Width | Depth |
|            |                    |      |         |          |       |        | Box Eliminated        |       |       |

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Sarah Phillips OTHER \_\_\_\_\_

Depth to Groundwater 33 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20 \*  
\* A water well is located 1192 ft east of this site

Date Started 11/3/2003 Date Completed 11/5/2003 OCD Witness No

Soil Excavated 300 cubic yards Excavation Length 30 Width 30 Depth 12 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 11/5/2003 Sample Depth 12 ft bgs

| Sample Location  | PID ppm | GRO mg/kg | DRO mg/kg | Chloride mg/kg |
|------------------|---------|-----------|-----------|----------------|
| Vertical @ 12 ft | 0.0     | <10.0     | <10.0     | 4880           |

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

General Description of Remedial Action: This EOL box is located next to an inactive production battery that has been dismantled. Delineation with a backhoe yielded elevated chloride concentrations that did not decline with depth. All PID readings were 0.0 ppm and lab results confirmed that TPH concentrations are well below guidelines. The excavation produced no lateral or vertical declines in chloride concentrations so the hole was backfilled and the box is identified with a marker for further consideration at a later date. A new box is not required here as the adjoining battery has been abandoned and dismantled. The surrounding surface has healthy vegetation. There is a monitor well 170 ft southwest of this site that ROC installed due to groundwater impact discovered during a junction box delineation. The final remediation of these two sites will be conducted together. ROC will continue to monitor the groundwater quality at the K-33-1 monitor well (analysis is enclosed).

**ADDITIONAL EVALUATION IS LOW PRIORITY.**

enclosures: chloride graph, PID reading, photos, lab results, monitor well water analysis table

**CHLORIDE FIELD TESTS**

| LOCATION | DEPTH (ft) | ppm  |
|----------|------------|------|
| Vertical | 6          | 916  |
|          | 7          | 862  |
|          | 8          | 1398 |
|          | 9          | 2434 |
|          | 10         | 2316 |
|          | 11         | 2264 |
|          | 12         | 2554 |
|          | 13         | 2434 |
|          | 14         | 3441 |

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

DATE 12/30/03 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 Sarah Phillips EOL



Box Site Without Lumber; Prior to Excavation 10/22/2003



Close-up of Site Prior to Excavation



Excavation 11/3/2003



Backfilled Excavation with Identification Plate (looking South)

# CHLORIDE CONCENTRATION CURVE

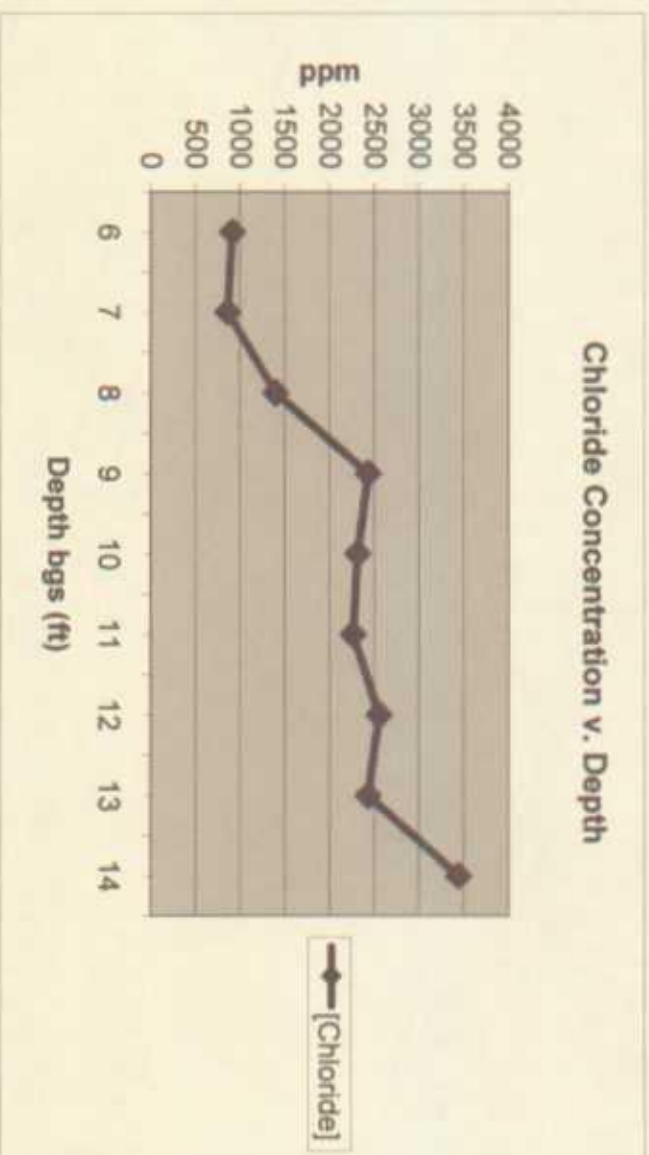
RICE Operating Company

## EME Sarah Phillips EOL

Unit 'K', Sec. 33, T19S, R37E

| Depth bgs (ft) | [Cl <sup>-</sup> ] ppm |
|----------------|------------------------|
| 6              | 916                    |
| 7              | 862                    |
| 8              | 1398                   |
| 9              | 2434                   |
| 10             | 2316                   |
| 11             | 2264                   |
| 12             | 2554                   |
| 13             | 2434                   |
| 14             | 3441                   |

Groundwater = 33 ft





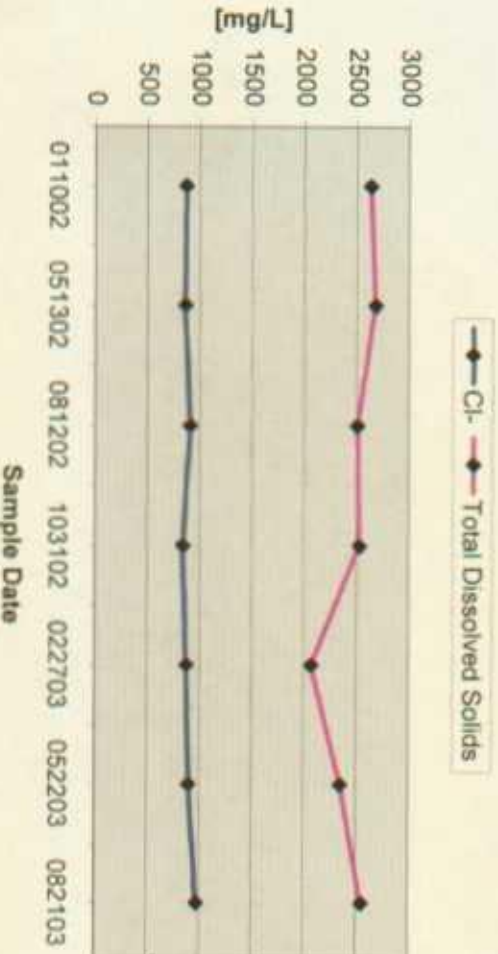
EME Jct K-33-1  
K 33-1, 19S, 37E

# Rice Operating Co. Monitor Well Data Sheet

All parameter concentrations are in mg/L

| MMW # | WATER LEVEL * | TOTAL DEPTH | WELL VOLUME (gal) | VOLUME BAILED | SAMPLE DATE | TIME | CL- | TDS  | BENZENE | TOLUENE | ETHYL BENZENE | TOTAL XYLENES |
|-------|---------------|-------------|-------------------|---------------|-------------|------|-----|------|---------|---------|---------------|---------------|
| 1     | 36.90         | 41.00       | 0.700             | 2.00          | 011002      | 1140 | 872 | 2635 | <0.002  | <0.002  | <0.002        | <0.006        |
| 1     | 36.88         | 40.78       | 0.624             | 2.90          | 051302      | 1010 | 860 | 2680 | <0.001  | <0.001  | <0.001        | <0.001        |
| 1     | 37.20         | 40.79       | 0.574             | 1.75          | 081202      | 1200 | 913 | 2510 | <0.001  | <0.001  | <0.001        | <0.001        |
| 1     | 37.11         | 40.77       | 0.586             | 1.75          | 103102      | 1315 | 842 | 2530 | <0.001  | <0.001  | <0.001        | <0.001        |
| 1     | 37.10         | 40.77       | 0.580             | 1.70          | 022703      | 1500 | 877 | 2070 | <0.001  | <0.001  | <0.001        | 0.001         |
| 1     | 31.10         | 41.20       | 1.616             | 4.80          | 052203      | 1314 | 904 | 2350 | <0.001  | <0.001  | <0.001        | <0.001        |
| 1     | 37.29         | 40.04       | 0.440             | 1.32          | 082103      | 1206 | 975 | 2550 | <0.001  | <0.001  | <0.001        | <0.001        |
| 1     | 37.40         | 40.78       | 0.540             | 1.60          | 111903      | 1500 | 869 | 2470 | <0.001  | <0.001  | <0.001        | <0.001        |

## EME Jct. K-33-1 Monitor Well



\* Depth to water is measured from the top of the casing  
Casing is 3.021 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: 11/05/03  
Reporting Date: 11/07/03  
Project Number: NOT GIVEN  
Project Name: SARAH PHILLIPS  
Project Location: LEA CO., NM

Sampling Date: 11/05/03  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC/AH

| LAB NUMBER SAMPLE ID        | GRO<br>(C <sub>6</sub> -C <sub>10</sub> )<br>(mg/Kg) | DRO<br>(>C <sub>10</sub> -C <sub>28</sub> )<br>(mg/Kg) | CI*<br>(mg/Kg) |
|-----------------------------|--|--|----------------|
|                             |  |  |                |
| ANALYSIS DATE               | 11/05/03   | 11/05/03   | 11/06/03       |
| H8145-1 BOTTOM 12'          | <10.0  | <10.0  | 4880           |
|                             |  |  |                |
|                             |  |  |                |
|                             |  |  |                |
| Quality Control             | 779  | 818  | 950            |
| True Value QC               | 800  | 800  | 1000           |
| % Recovery                  | 97.4   | 102  | 95.0           |
| Relative Percent Difference | 1.5  | 1.1  | 6.9            |

METHODS: TPH GRO &amp; DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI'B

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

*Bryson J. Roche*  
Chemist

*11/7/03*  
Date

## H8145 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.



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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page \_\_\_\_\_ of \_\_\_\_\_

| Company Name: RICE Operating Company |  | P.O. #:          |  | BILL TO          |  |
|--------------------------------------|--|------------------|--|------------------|--|
| Project Manager: Kristin Farris      |  | Company: RICE    |  | ANALYSIS REQUEST |  |
| Address: 122 W. Taylor               |  | Attn:            |  |                  |  |
| City: Hobbs,                         |  | Address:         |  |                  |  |
| State: NM Zip: 88240                 |  | City:            |  |                  |  |
| Phone #: 393-9174                    |  | State:           |  |                  |  |
| Fax #: 397-1471                      |  | Phone #:         |  |                  |  |
| Project #:                           |  | Fax #:           |  |                  |  |
| Project Name: Sarah Phillips         |  |                  |  |                  |  |
| Project Location: Las                |  |                  |  |                  |  |
| Sampler Name: Grey Stark             |  |                  |  |                  |  |
| FOR LAB USE ONLY                     |  | PRESERV          |  | SAMPLING         |  |
| Lab I.D.                             |  | MATRIX           |  | TIME             |  |
| Sample I.D.                          |  | # CONTAINERS     |  | DATE             |  |
| 481651 Bottom 12'                    |  | (G)RAB OR (C)OMP |  | 11/5             |  |
|                                      |  | GROUNDWATER      |  | 8:31             |  |
|                                      |  | WASTEWATER       |  |                  |  |
|                                      |  | SOIL             |  |                  |  |
|                                      |  | CRUDE OIL        |  |                  |  |
|                                      |  | SLUDGE           |  |                  |  |
|                                      |  | OTHER:           |  |                  |  |
|                                      |  | ACID/BASE:       |  |                  |  |
|                                      |  | ICE / COOL       |  |                  |  |
|                                      |  | OTHER:           |  |                  |  |

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusions remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the analysis. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of data, or any other damages, whether or not such damages are foreseeable or consequential. Cardinal's liability shall be limited to the amount paid by the client for the analysis.

|                              |  |   |  |
|------------------------------|--|---|--|
| Sampler Relinquished:        |  | Received By:  |  |
| Date:                        |  | Date:   |  |
| Time:                        |  | Time:   |  |
| Relinquished By: Grey Stark  |  | Received By: (Lab Staff) Burjess A. Cook                            |  |
| Delivered By: (Circle One)   |  | CHECKED BY: (Initials)  |  |
| Sampler - UPS - Bus - Other: |  | Sample Condition  |  |
|                              |  | Cool Intact   |  |
|                              |  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  |

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



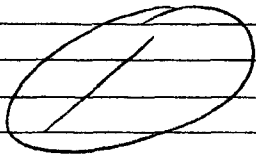
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ETGI Jet boat Final Report  
SITE EXCAVATION INFORMATION  
Sarah Phillips

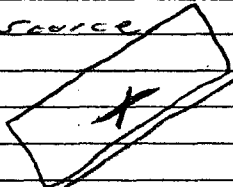
DATE DEPTH CL PID TPH SOIL COMPOSITION

|         |     |      |     |  |         |                  |
|---------|-----|------|-----|--|---------|------------------|
| 11-3-02 | 6'  | 916  |     |  | no odor | light brown sand |
|         | 7'  | 862  |     |  |         |                  |
|         | 8'  | 1398 |     |  |         |                  |
|         | 9'  | 2434 |     |  |         | white calc. cl.  |
|         | 10' | 2316 |     |  |         |                  |
|         | 11' | 2264 |     |  |         |                  |
|         | 12' | 2554 | 0.0 |  |         |                  |
|         | 13' | 2434 | 0.0 |  |         |                  |
|         | 14' | 3441 | 0.0 |  |         |                  |

Vertical dig 14' N↑  
st source



North ↑  
st source



8" PVC line

