

1R - 427-345

REPORTS

DATE:

3-22-11

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1R427-345

EME Jct. I-29-1

2010

RECEIVED

APR - 1 2011

City Conservation Director  
1220 S. St. Francis Drive  
Indianapolis, IN 46203

CLOSURE

**RICE OPERATING COMPANY  
JUNCTION BOX FINAL REPORT**

**BOX LOCATION**

| SWD SYSTEM                   | JUNCTION    | UNIT | SECTION | TOWNSHIP | RANGE | COUNTY | BOX DIMENSIONS - FEET |       |       |
|------------------------------|-------------|------|---------|----------|-------|--------|-----------------------|-------|-------|
|                              |             |      |         |          |       |        | Length                | Width | Depth |
| Eunice-Monument-Eumont (EME) | Jct. I-29-1 | I    | 29      | 19S      | 37E   | Lea    | Eliminated            |       |       |

LAND TYPE: BLM \_\_\_\_\_ STATE X FEE LANDOWNER \_\_\_\_\_ OTHER \_\_\_\_\_

Depth to Groundwater 26 feet NMOCD SITE ASSESSMENT RANKING SCORE: 40\*

Date Started 5/11/2010 Date Completed 5/24/2010 OCD Witness no

Soil Excavated 6.7 cubic yards Excavation Length 5 Width 3 Depth 12 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 5/20/2010 Sample Depth 12 ft.

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

| Sample Location | PID (field) ppm | GRO mg/kg | DRO mg/kg | Chloride mg/kg |
|-----------------|-----------------|-----------|-----------|----------------|
| SOURCE 12' GRAB | 1.2             | <10.0     | <10.0     | <16            |

**CHLORIDE FIELD TESTS**

| LOCATION   | DEPTH | mg/kg |
|--|-------|-------|
| background   | 6"    | 202   |
| vertical delineation trench at the junction (source) | 5'    | 207   |
|  | 6'    | 142   |
|  | 7'    | 118   |
|  | 8'    | 226   |
|  | 9'    | 87    |
|  | 10'   | 150   |
|  | 11'   | 117   |
|  | 12'   | 141   |

**General Description of Remedial Action:** This junction and line were eliminated

during the pipeline replacement/upgrade program. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 5X3X12-ft-deep excavation. Chloride field tests performed on each sample yielded low concentrations similar to that of the background. Organic vapors were measured using a PID, which also yielded low concentrations with depth.

The deepest sample, 12 ft. BGS, was sent to a commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations of each. The excavated soil was returned to the excavation to ground surface and contoured to the surrounding area. On 5/24/2010, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

\*House located 900 ft. southeast

enclosures: photos, lab results, PID (field) screenings, chloride curve

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

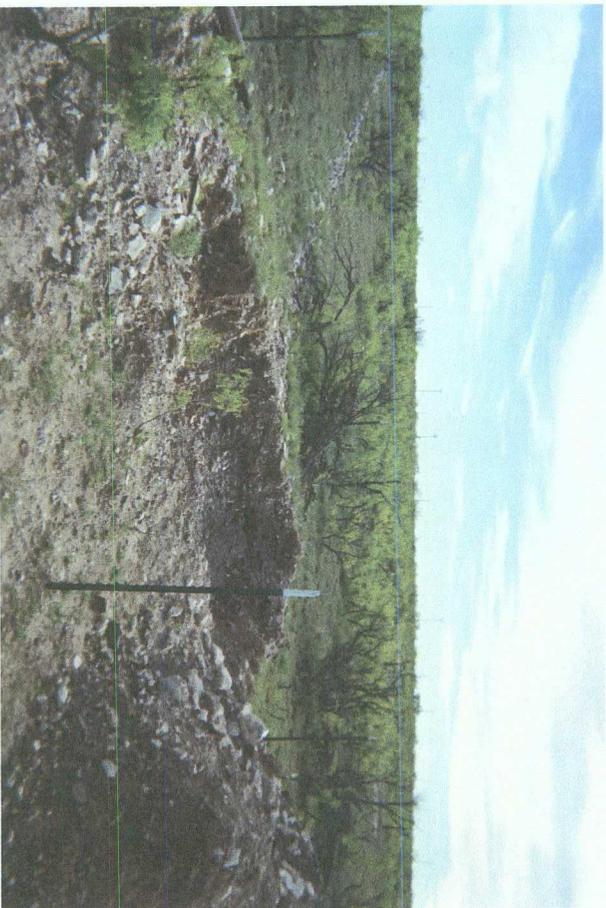
SITE SUPERVISOR Gerardo Martinez SIGNATURE *Gerardo Martinez* COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Larry Bruce Baker Jr. INITIAL LBB

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE *Larry Bruce Baker Jr.* DATE 5-22-11

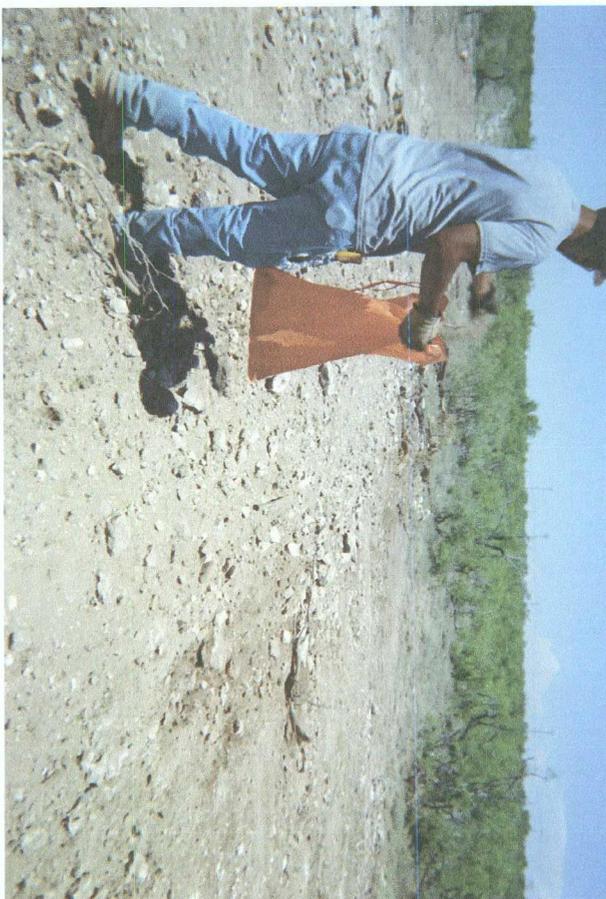
# EME Jct. I-29-1

Unit I, Section 29, T19S, R37E



Site prior to excavation

5/06/2010



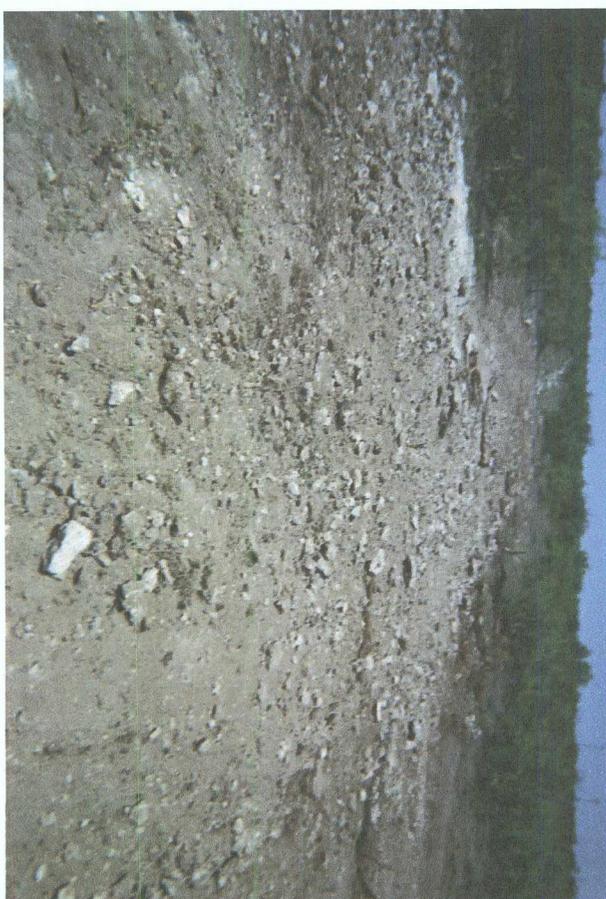
Seeding site

5/24/2010



Raking in seed

5/24/2010



Site complete

5/24/2010



**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603  
 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

|   |  |  |  |
|---|--|--|--|
| Company Name: <i>Rice Operating Company</i><br>Project Manager: <i>Bruce Baker</i><br>Address: <i>122 W. Taylor</i><br>City: <i>Hobbs</i> State: <i>NM</i> Zip: <i>88240</i><br>Phone #: <i>575-393-9174</i> Fax #: <i>575-397-1471</i><br>Project #: _____ Project Owner: _____<br>Project Name: _____<br>Project Location: <i>EME J-1-29-1 (19137)</i><br>Sampler Name: <i>Gerardo Martinez</i> |  | P.O. #: _____<br>Company: _____<br>Ath: _____<br>Address: _____<br>City: _____ State: _____ Zip: _____<br>Phone #: _____<br>Fax #: _____   |  |
| Bill To<br>ANALYSIS REQUEST   |  | TPH 8015M<br>Please see Report # 151   |  |
| FOR LAB USE ONLY<br>Lab I.D. <i>Sample I.D.</i><br>H19934-1 <i>Source @ 12'</i>   |  | MATRIX<br># CONTAINERS: <i>01</i><br>(G)RAB OR (C)OMP: _____<br>GROUNDWATER: _____<br>WASTEWATER: _____<br>SOIL: <input checked="" type="checkbox"/><br>OIL: _____<br>SLUDGE: _____<br>OTHER: _____<br>ACID/BASE: _____<br>ICE / COOL: _____<br>OTHER: _____ | PRESERV: _____<br>SAMPLING: _____<br>DATE: <i>5-20-10 10:30</i><br>TIME: _____ |

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 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 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 causes or otherwise.

Relinquished By: *Gerardo* Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: *John Benson* Date: *5/20/10* Time: *11:45*  
 Sample Condition:  Cool  Intact  Yes  No  
 Checked By: *[Signature]* (Initials)  
 Delivered By: (Circle One)  Sampler  UPS  Bus  Other:  
 Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 REMARKS: *E-Mail Results To: K Jones @ Rice Sud.com*  
*B Baker*  
*R Equins*

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

#26

COPY

# RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240  
 PHONE: (505) 393-9174 FAX: (505) 397-1471  
 PID METER CALIBRATION & FIELD REPORT FORM

|       |                                     |                 |                       |
|-------|-------------------------------------|-----------------|-----------------------|
| CK.   | <input checked="" type="checkbox"/> | MODEL: PGM 7300 | SERIAL NO: 590-000508 |
| MODEL | <input type="checkbox"/>            | MODEL: PGM 7300 | SERIAL NO: 590-000504 |
| NO.   | <input type="checkbox"/>            | MODEL: PGM 7320 | SERIAL NO: 592-903318 |
|       | <input type="checkbox"/>            | MODEL: PGM 7300 | SERIAL NO: 590-000183 |

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

|                                       |                                  |
|---------------------------------------|----------------------------------|
| LOT NO: <i>928547</i>                 | EXPIRATION DATE: <i>2-4-2013</i> |
| METER READING ACCURACY: <i>100PPM</i> |                                  |

ACCURACY : +/- 2%

| SYSTEM     | JUNCTION      | UNIT     | SECTION   | TOWN SHIP | RANGE     |
|------------|---------------|----------|-----------|-----------|-----------|
| <i>EME</i> | <i>I-29-1</i> | <i>I</i> | <i>29</i> | <i>19</i> | <i>37</i> |

| SAMPLE ID           | PID        | SAMPLE ID | PID |
|---------------------|------------|-----------|-----|
| <i>SOURCE @ 10'</i> | <i>3.3</i> |           |     |
| <i>11'</i>          | <i>1.2</i> |           |     |
| <i>12'</i>          | <i>1.2</i> |           |     |
|                     |            |           |     |
|                     |            |           |     |
|                     |            |           |     |
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|                     |            |           |     |

COPY

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

SIGNATURE: *Gerardo Martinez*

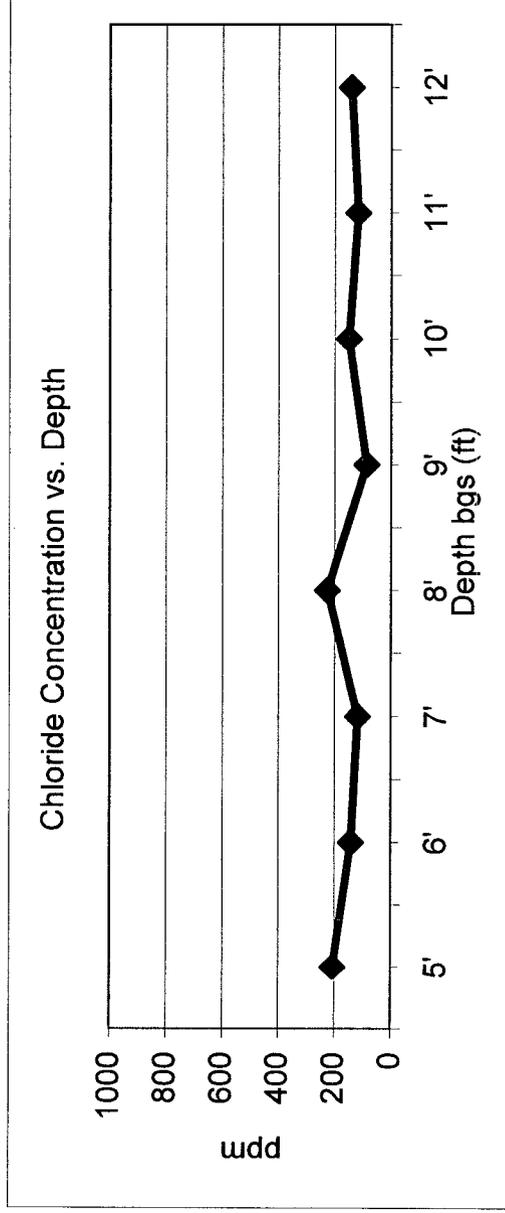
DATE: *5-20-10*

# EME Jct. I-29-1

Unit 'I', Sec. 29, T19S, R37E

Backhoe samples at the junction (source)

| Depth bgs (ft) | [Cl <sup>-</sup> ] ppm |
|----------------|------------------------|
| 5'             | 207                    |
| 6'             | 142                    |
| 7'             | 118                    |
| 8'             | 226                    |
| 9'             | 87                     |
| 10'            | 150                    |
| 11'            | 117                    |
| 12'            | 141                    |



Groundwater = 26 ft