

1R - 426-111

# REPORTS

DATE:

12/06/2005

1R0726-111

# Final Report

**RICE OPERATING COMPANY  
JUNCTION BOX FINAL REPORT**

**BOX LOCATION**

| SWD SYSTEM | JUNCTION            | UNIT | SECTION | TOWNSHIP | RANGE | COUNTY | BOX DIMENSIONS - FEET       |       |       |
|------------|---------------------|------|---------|----------|-------|--------|-----------------------------|-------|-------|
| BD         | A-35<br>(two boxes) | A    | 35      | 21S      | 37E   | Lea    | Length                      | Width | Depth |
|            |                     |      |         |          |       |        | not complete on report date |       |       |

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Eva May Tousaint, et. al OTHER \_\_\_\_\_

Depth to Groundwater 45.6 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20\*

Date Started 10/3/2005 Date Completed 11/1/2005 NMOCD Witness no

Soil Excavated 7 cubic yards Excavation Length 8 Width 3 Depth 8 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 10/4/2005 Sample Depth 8 ft

5-point composite sample of bottom and 4-point composite sample of excavation sidewalls. TPH and chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

**CHLORIDE FIELD TESTS**

| Sample Location             | PID ppm | GRO mg/kg | DRO mg/kg | Chloride mg/kg |
|-----------------------------|---------|-----------|-----------|----------------|
| vertical trench at junction | 0.9     | <10.0     | <10.0     | 344            |

| LOCATION             | DEPTH (ft) | ppm |
|----------------------|------------|-----|
| vertical at junction | 6          | 68  |
|                      | 7          | 57  |
|                      | 8          | 63  |

**General Description of Remedial Action:** As part of the pipeline replacement program, these junction boxes were re-plumbed with a new poly pipeline. The old junction box materials were removed and a delineation trench was made at the site where soil samples were collected at 6, 7, and 8 ft BGS. Chloride field tests and PID screenings were performed on these samples. Chloride tests indicated very low concentrations and PID levels were also very low. An 8-ft-deep sample was collected for lab analysis and yielded non-detect TPH concentrations (meeting OCD guidelines) and a chloride concentration of 344 ppm. The location is surrounded by healthy native vegetation and there were no physical indications of impact from the junction boxes. The trench was backfilled and a new water-tight junction box was built over the site. Disturbed surfaces resulting from these activities are expected to return to production capacity at a normal rate.

\* An oilfield supply well is located 156 ft northwest of this site. Water level in this well is 45.6 ft.

enclosures: photos, lab results, PID field screenings

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

SITE SUPERVISOR Roy Rascon SIGNATURE Roy R. Rascon COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope  
DATE 12/6/2005 TITLE Project Scientist

## BD jct. A-35



undisturbed junction boxes

7/23/2003

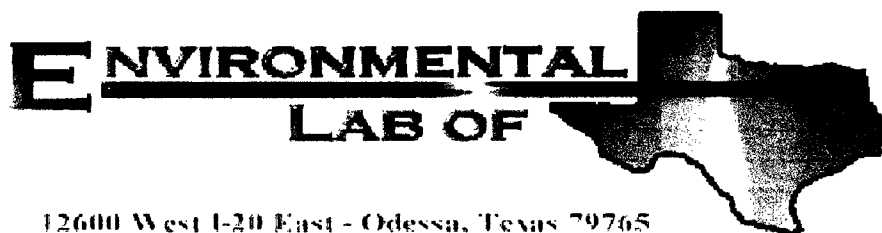


delineation excavation trench

9/28/2005



new plumbing at former junction site



COPY

## Analytical Report

**Prepared for:**

Roy Rascon  
Rice Operating Co.  
122 W. Taylor  
Hobbs, NM 88240

Project: BD Jct. A-35  
Project Number: None Given  
Location: None Given

Lab Order Number: 5J05002

Report Date: 10/12/05

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: BD Jct. A-35  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471  
Reported:  
10/12/05 11:58

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|-----------|---------------|--------|----------------|----------------|
| Vert.@ 8' | 5J05002-01    | Soil   | 10/04/05 09:45 | 10/05/05 08:00 |

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Hobbs NM, 88240

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Project Manager: Roy Rascon

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Reported:  
10/12/05 11:58

**Organics by GC**  
**Environmental Lab of Texas**

| Analyte                            | Result | Reporting<br>Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------------------|--------|--------------------|-----------|----------|---------|----------|----------|-----------|-------|
| <b>Vert.@ 8' (5J05002-01) Soil</b> |        |                    |           |          |         |          |          |           |       |
| Gasoline Range Organics C6-C12     | ND     | 10.0               | mg/kg dry | 1        | EJ50501 | 10/05/05 | 10/05/05 | EPA 8015M |       |
| Diesel Range Organics >C12-C35     | ND     | 10.0               | "         | "        | "       | "        | "        | "         |       |
| Total Hydrocarbon C6-C35           | ND     | 10.0               | "         | "        | "       | "        | "        | "         |       |
| Surrogate: 1-Chlorooctane          |        | 96.8 %             | 70-130    |          | "       | "        | "        | "         |       |
| Surrogate: 1-Chlorooctadecane      |        | 112 %              | 70-130    |          | "       | "        | "        | "         |       |

Rice Operating Co.  
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Reported:  
10/12/05 11:58

**General Chemistry Parameters by EPA / Standard Methods**  
**Environmental Lab of Texas**

| Analyte                     | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|-----------------------------|--------|--------------------|-------|----------|---------|----------|----------|---------------|-------|
| Vert.@ 8' (5J05002-01) Soil |        |                    |       |          |         |          |          |               |       |
| Chloride                    | 344    | 5.00               | mg/kg | 10       | EJ50605 | 10/05/05 | 10/06/05 | EPA 300.0     |       |
| % Moisture                  | 8.2    | 0.1                | %     | 1        | EJ50508 | 10/05/05 | 10/05/05 | % calculation |       |

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: BD Jct. A-35  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
10/12/05 11:58

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

| Analyte  | Result | Reporting<br>Limit | Units     | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD   | RPD<br>Limit | Notes |
|--|--------|--------------------|-----------|----------------|------------------|------|----------------|-------|--------------|-------|
| <b>Batch EJ50501 - Solvent Extraction (GC)</b>   |        |                    |           |                |                  |      |                |       |              |       |
| <b>Blank (EJ50501-BLK1)</b>                      |        |                    |           |                |                  |      |                |       |              |       |
| Prepared & Analyzed: 10/05/05                    |        |                    |           |                |                  |      |                |       |              |       |
| Gasoline Range Organics C6-C12                   | ND     | 10.0               | mg/kg wet |                |                  |      |                |       |              |       |
| Diesel Range Organics >C12-C35                   | ND     | 10.0               | "         |                |                  |      |                |       |              |       |
| Total Hydrocarbon C6-C35                         | ND     | 10.0               | "         |                |                  |      |                |       |              |       |
| Surrogate: 1-Chlorooctane                        | 39.5   |                    | mg/kg     | 50.0           |                  | 79.0 | 70-130         |       |              |       |
| Surrogate: 1-Chlorooctadecane                    | 47.5   |                    | "         | 50.0           |                  | 95.0 | 70-130         |       |              |       |
| <b>LCS (EJ50501-BS1)</b>                         |        |                    |           |                |                  |      |                |       |              |       |
| Prepared & Analyzed: 10/05/05                    |        |                    |           |                |                  |      |                |       |              |       |
| Gasoline Range Organics C6-C12                   | 404    | 10.0               | mg/kg wet | 500            |                  | 80.8 | 75-125         |       |              |       |
| Diesel Range Organics >C12-C35                   | 442    | 10.0               | "         | 500            |                  | 88.4 | 75-125         |       |              |       |
| Total Hydrocarbon C6-C35                         | 846    | 10.0               | "         | 1000           |                  | 84.6 | 75-125         |       |              |       |
| Surrogate: 1-Chlorooctane                        | 54.0   |                    | mg/kg     | 50.0           |                  | 108  | 70-130         |       |              |       |
| Surrogate: 1-Chlorooctadecane                    | 53.2   |                    | "         | 50.0           |                  | 106  | 70-130         |       |              |       |
| <b>Calibration Check (EJ50501-CCV1)</b>          |        |                    |           |                |                  |      |                |       |              |       |
| Prepared & Analyzed: 10/05/05                    |        |                    |           |                |                  |      |                |       |              |       |
| Gasoline Range Organics C6-C12                   | 525    |                    | mg/kg     | 500            |                  | 105  | 80-120         |       |              |       |
| Diesel Range Organics >C12-C35                   | 564    |                    | "         | 500            |                  | 113  | 80-120         |       |              |       |
| Total Hydrocarbon C6-C35                         | 1090   |                    | "         | 1000           |                  | 109  | 80-120         |       |              |       |
| Surrogate: 1-Chlorooctane                        | 60.9   |                    | "         | 50.0           |                  | 122  | 0-200          |       |              |       |
| Surrogate: 1-Chlorooctadecane                    | 58.6   |                    | "         | 50.0           |                  | 117  | 0-200          |       |              |       |
| <b>Matrix Spike (EJ50501-MS1)</b>                |        |                    |           |                |                  |      |                |       |              |       |
| Source: SJ05002-01 Prepared & Analyzed: 10/05/05 |        |                    |           |                |                  |      |                |       |              |       |
| Gasoline Range Organics C6-C12                   | 446    | 10.0               | mg/kg dry | 545            | ND               | 81.8 | 75-125         |       |              |       |
| Diesel Range Organics >C12-C35                   | 507    | 10.0               | "         | 545            | ND               | 93.0 | 75-125         |       |              |       |
| Total Hydrocarbon C6-C35                         | 953    | 10.0               | "         | 1090           | ND               | 87.4 | 75-125         |       |              |       |
| Surrogate: 1-Chlorooctane                        | 57.8   |                    | mg/kg     | 50.0           |                  | 116  | 70-130         |       |              |       |
| Surrogate: 1-Chlorooctadecane                    | 57.0   |                    | "         | 50.0           |                  | 114  | 70-130         |       |              |       |
| <b>Matrix Spike Dup (EJ50501-MSD1)</b>           |        |                    |           |                |                  |      |                |       |              |       |
| Source: SJ05002-01 Prepared & Analyzed: 10/05/05 |        |                    |           |                |                  |      |                |       |              |       |
| Gasoline Range Organics C6-C12                   | 461    | 10.0               | mg/kg dry | 545            | ND               | 84.6 | 75-125         | 3.31  | 20           |       |
| Diesel Range Organics >C12-C35                   | 500    | 10.0               | "         | 545            | ND               | 91.7 | 75-125         | 1.39  | 20           |       |
| Total Hydrocarbon C6-C35                         | 961    | 10.0               | "         | 1090           | ND               | 88.2 | 75-125         | 0.836 | 20           |       |
| Surrogate: 1-Chlorooctane                        | 58.1   |                    | mg/kg     | 50.0           |                  | 116  | 70-130         |       |              |       |
| Surrogate: 1-Chlorooctadecane                    | 56.9   |                    | "         | 50.0           |                  | 114  | 70-130         |       |              |       |

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: BD Jct. A-35  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
10/12/05 11:58

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**  
**Environmental Lab of Texas**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch EJ50508 - General Preparation (Prep)**

**Blank (EJ50508-BLK1)**

Prepared & Analyzed: 10/05/05

% Solids 100 %

**Duplicate (EJ50508-DUP1)**

Source: SJ05002-01

Prepared & Analyzed: 10/05/05

% Solids 91.5 % 91.8 0.327 20

**Duplicate (EJ50508-DUP2)**

Source: SJ05010-07

Prepared & Analyzed: 10/06/05

% Solids 80.8 % 78.2 3.27 20

**Duplicate (EJ50508-DUP3)**

Source: SJ05012-08

Prepared & Analyzed: 10/06/05

% Solids 95.0 % 95.1 0.105 20

**Batch EJ50605 - Water Extraction**

**Blank (EJ50605-BLK1)**

Prepared: 10/05/05 Analyzed: 10/06/05

Chloride ND 0.500 mg/kg

**LCS (EJ50605-BS1)**

Prepared: 10/05/05 Analyzed: 10/06/05

Chloride 8.93 mg/L 10.0 89.3 80-120

**Calibration Check (EJ50605-CCV1)**

Prepared: 10/05/05 Analyzed: 10/06/05

Chloride 9.42 mg/L 10.0 94.2 80-120

**Duplicate (EJ50605-DUP1)**

Source: SJ03013-01

Prepared: 10/05/05 Analyzed: 10/06/05

Chloride 301 25.0 mg/kg 315 4.55 20

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: BD Jct. A-35  
Project Number: None Given  
Project Manager: Roy Rascon

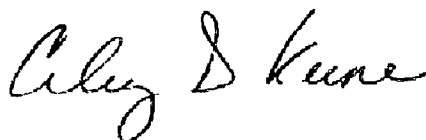
Fax: (505) 397-1471

Reported:  
10/12/05 11:58

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference  
LCS Laboratory Control Spike  
MS Matrix Spike  
Dup Duplicate

Report Approved By:



Date:

10/12/2005

Raland K. Tuttle, Lab Manager  
Celey D. Keene, Lab Director, Org. Tech Director  
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director  
James L. Hawkins, Chemist/Geologist  
Sandra Sanchez, Lab Tech.

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Environmental Lab of Texas

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# Environmental Lab of Texas

## Variance / Corrective Action Report – Sample Log-In

Client: WACO OP.

Date/Time: 10/5/05 8:00

Order #: 5J05002

Initials: CL

### Sample Receipt Checklist

|   |                                     |    |                |
|---|-------------------------------------|----|----------------|
| Temperature of container/cooler?                          | Yes                                 | No | 4.0 C          |
| Shipping container/cooler in good condition?              | <input checked="" type="checkbox"/> | No |                |
| Custody Seals intact on shipping container/cooler?        | <input checked="" type="checkbox"/> | No | Not present    |
| Custody Seals intact on sample bottles?                   | <input checked="" type="checkbox"/> | No | Not present    |
| Chain of custody present?                                 | <input checked="" type="checkbox"/> | No |                |
| Sample Instructions complete on Chain of Custody?         | <input checked="" type="checkbox"/> | No |                |
| Chain of Custody signed when relinquished and received?   | <input checked="" type="checkbox"/> | No |                |
| Chain of custody agrees with sample label(s)              | <input checked="" type="checkbox"/> | No |                |
| Container labels legible and intact?                      | <input checked="" type="checkbox"/> | No |                |
| Sample Matrix and properties same as on chain of custody? | <input checked="" type="checkbox"/> | No |                |
| Samples in proper container/bottle?                       | <input checked="" type="checkbox"/> | No |                |
| Samples properly preserved?                               | <input checked="" type="checkbox"/> | No |                |
| Sample bottles intact?                                    | <input checked="" type="checkbox"/> | No |                |
| Preservations documented on Chain of Custody?             | <input checked="" type="checkbox"/> | No |                |
| Containers documented on Chain of Custody?                | <input checked="" type="checkbox"/> | No |                |
| Sufficient sample amount for indicated test?              | <input checked="" type="checkbox"/> | No |                |
| All samples received within sufficient hold time?         | <input checked="" type="checkbox"/> | No |                |
| VOC samples have zero headspace?                          | <input checked="" type="checkbox"/> | No | Not Applicable |

Other observations:

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### Variance Documentation:

Contact Person: - \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_  
Regarding: \_\_\_\_\_

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Corrective Action Taken:

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**Jennifer Johnson**

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**From:** "Jennifer Johnson" <jjriceswd@valornet.com>  
**To:** "Sheeley, Paul, EMNRD" <paul.sheeley@state.nm.us>  
**Cc:** "Johnson, Larry, EMNRD" <larry.johnson@state.nm.us>; "Price, Wayne, EMNRD" <wayne.price@state.nm.us>; <DJSanchez@state.nm.us>; <kpriceswd@valornet.com>  
**Sent:** Tuesday, October 18, 2005 11:02 AM  
**Subject:** Re: Release @ C-16-20-37 on 10/11/05

Mr. Sheeley,

An initial C-141, driving directions, and a drawing of the spill site (EME C-16) was submitted to the OCD around 3:00pm on Friday 10/14/05. Delineation plans are in progress. If you have any other questions please dont hesitate to call or e-mail me. Of course, you will be notified of all significant events at this location.

Thank You  
Jennifer Johnson  
(505) 631-2532

----- Original Message -----

**From:** Sheeley, Paul, EMNRD  
**To:** [jjriceswd@valornet.com](mailto:jjriceswd@valornet.com)  
**Cc:** Johnson, Larry, EMNRD ; Price, Wayne, EMNRD  
**Sent:** Friday, October 14, 2005 2:04 PM  
**Subject:** Release @ C-16-20-37 on 10/11/05

Jennifer,

The release called in must be delineated for CI-, BTEX and TPH. The ranking score is 20. Groundwater impact is possible. Can you submit a complete C-141?

P.Sheeley

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10/18/2005

RICE OPERATING COMPANY  
122 WEST TAYLOR  
HOBBS, NEW MEXICO 88240  
PHONE: (505) 393-9174 FAX: (505) 397-1471  
**VOC FIELD TEST REPORT FORM**  
MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S  
CALIBRATION GAS  
GAS COMPOSITION: ISOBUTYLENE  
AIR  
LOT NO: 04-2474  
EXP. DATE: 8-1-06  
METER READING  
ACCURACY: 99.8

SERIAL NO: 104412

100 PPM  
BALANCE  
FILL DATE: 2-1-05  
ACCURACY: +/- 2%

COPY

| SYSTEM | JUNCTION | UNIT | SECTION | TOWNSHIP | RANGE |
|--------|----------|------|---------|----------|-------|
| BD     | A-35     | A    | 35      | 215      | 37E   |

Vertical @ Source @ 8' Between Both Boxes

| SAMPLE | PID RESULT | SAMPLE | PID RESULT |
|--------|------------|--------|------------|
| 6'     | 0.4        |        |            |
| 7'     | 0.7        |        |            |
| 8'     | 0.9        |        |            |
|        |            |        |            |
|        |            |        |            |
|        |            |        |            |
|        |            |        |            |
|        |            |        |            |
|        |            |        |            |
|        |            |        |            |
|        |            |        |            |
|        |            |        |            |
|        |            |        |            |
|        |            |        |            |
|        |            |        |            |

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

Ray A. Rios  
Signature

10-4-05  
Date