

1R - 425-40

**APPROVALS**

**YEAR(S):**

2012

**Hansen, Edward J., EMNRD**

---

**From:** Hansen, Edward J., EMNRD  
**Sent:** Thursday, May 17, 2012 12:32 PM  
**To:** Hack Conder (hconder@riceswd.com)  
**Cc:** Leking, Geoffrey R, EMNRD; Katie Jones <kjones@riceswd.com> (kjones@riceswd.com); Laura Pena (lpena@riceswd.com); Scott Curtis (scurtis@riceswd.com)  
**Subject:** Remediation Plan (1R425-40) Termination - ROC Vacuum Phillips B-1578 EOL Site

**RE: Termination Request  
for the Rice Operating Company's  
Vacuum Phillips B-1578 EOL Site  
Unit Letter C, Section 30, T17S, R35E, NMPM, Lea County, New Mexico  
Remediation Plan (1R425-40) Termination**

Dear Mr. Conder:

The New Mexico Oil Conservation Division (OCD) has received Rice Operating Company's report and request to close the above-referenced site, dated May 4, 2012 (received May 14, 2012) and the photo documentation of May 17, 2012. The report is acceptable to the OCD.

The above-referenced report, submitted in accordance with 19.15.29 NMAC (Rule 29; formally, Rule 116), indicates that Rice Operating Company has met the requirements of 19.15.29 NMAC; therefore, the OCD approves the report and hereby notifies you that the remediation plan (1R425-40) is terminated in accordance with 19.15.29 NMAC.

Please be advised that OCD approval of this report does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

If you have any questions regarding this matter, please contact me at 505-476-3489.

Edward J. Hansen  
Hydrologist  
Environmental Bureau

# **RICE** *Operating Company*

122 West Taylor • Hobbs, New Mexico 88240

Phone: (575) 393-9174 • Fax: (575) 397-1471

May 4, 2012

RECEIVED

Mr. Edward Hansen  
New Mexico Energy, Minerals, & Natural Resources  
Oil Conservation Division, Environmental Bureau  
1220 S. St. Francis Drive  
Santa Fe, New Mexico 87505

MAY 14 2012

Oil Conservation Division  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

RE: Termination Request  
Vacuum Phillips B-1578 EOL (1R425-40): UL/C, Sec. 30, T17S, R35E  
RICE Operating Company – Vacuum SWD System

Mr. Hansen:

Rice Operating Company (ROC) is the service provider (agent) for the abandoned Vacuum Saltwater Disposal (SWD) System and has no ownership of any portion of the pipeline, well, or facility. The System is owned by a consortium of oil producers, System Parties, who provide all operating capital on a percentage ownership/usage basis.

## **Background**

In 2005, ROC initiated work on the former Phillips B-1578 EOL junction box as part of the system abandonment. The site is located in UL/C, Sec. 30, T17S, R35E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 130 +/- feet. The site was delineated using a backhoe to collect soil samples at regular intervals, creating a 35x35x12-ft deep excavation. Representative samples were collected from the final excavation and sent to a commercial for analysis of chloride and TPH, resulting in a 4-WALL chloride concentration of 423 mg/kg, a gasoline range organics (GRO) concentration below detectable limits, and a diesel range organics (DRO) concentration of 67.3 mg/kg. The bottom composite resulted in a chloride concentration of 457 mg/kg, and concentrations of GRO and DRO below detectable limits. Chloride concentrations decreased with depth as the site was excavated to 12 ft bgs. The backfill resulted in a chloride concentration of 716 mg/kg, and concentrations of GRO and DRO below detectable limits. The excavated soil was blended on site and returned to the excavation to ground surface. Clean, imported soil was used as a top cap and to contour the site to the surrounding area. On 4/25/2006, the site was seeded with a blend of native vegetation and is expected to return to a productive

capacity at a normal rate. The junction box final report, photo documentation, laboratory analysis, and PID sheet are attached.

**Recommendations**

Site investigation demonstrates that residual chloride and hydrocarbons in the vadose zone will not with reasonable probability contaminate groundwater in excess of NMOCD standards. This site meets the requirements of the NMOCD-approved Revised Junction Box Upgrade Work Plan (July 16, 2003). As such, ROC request termination of the regulatory file, or similar closure status.

Please contact me at (575)393-9174 if you have any questions or wish to discuss this site. Thank you for your time and consideration.

Sincerely,  
RICE Operating Company

A handwritten signature in black ink, appearing to read "H. Conder", with a long horizontal flourish extending to the right.

Hack Conder  
Environmental Manager

enclosures

**RICE OPERATING COMPANY  
JUNCTION BOX FINAL REPORT**

**BOX LOCATION**

| SWD SYSTEM | JUNCTION   | UNIT | SECTION | TOWNSHIP | RANGE | COUNTY | NEW BOX DIMENSIONS - FEET  |       |       |
|------------|------------|------|---------|----------|-------|--------|----------------------------|-------|-------|
| Vacuum     | B-1578 EOL | C    | 30      | 17S      | 35E   | Lea    | Length                     | Width | Depth |
|            |            |      |         |          |       |        | no box--System abandonment |       |       |

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

Depth to Groundwater 130 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 9/1/2005 Date Completed 4/21/2006 NMOCD Witness no

Soil Excavated 544 cubic yards Excavation Length 35 Width 35 Depth 12 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 3/9/2006 Sample Depth 12 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 laboratory and testing procedures pursuant to NMOCD guidelines.

**CHLORIDE FIELD TESTS**

| Sample Location | PID (field) ppm | GRO mg/kg | DRO mg/kg | Chloride mg/kg |
|-----------------|-----------------|-----------|-----------|----------------|
| 4-WALL COMP.    | 0.8             | <10.0     | 67.3      | 423            |
| BOTTOM COMP.    | 0.6             | <10.0     | <10.0     | 457            |
| BACKFILL        | 5.8             | <10.0     | <10.0     | 716            |

| LOCATION                           | DEPTH (ft) | ppm  |
|------------------------------------|------------|------|
| SOURCE<br>below former<br>junction | 6          | 1363 |
|                                    | 7          | 1229 |
|                                    | 8          | 1182 |
|                                    | 9          | 1349 |
|                                    | 10         | 1143 |
|                                    | 11         | 937  |
|                                    | 12         | 794  |
| 4-wall comp.                       | n/a        | 608  |
| bottom comp.                       | 12         | 669  |
| backfill comp.                     | n/a        | 899  |

**General Description of Remedial Action:**

This junction box site was addressed as part of the Vacuum SWD System abandonment. After the box was removed, a backhoe was used to collect soil samples at regular intervals producing a 35 x 35 x 12-ft-deep excavation. Chloride field tests were conducted on each sample; concentrations declined with depth and breadth. Organic vapors were also measured using a PID and these concentrations were low. Composite samples were collected from the final excavation for laboratory confirmation of field results. TPH concentrations met NMOCD guidelines. The excavated soil was blended on site and returned to the excavation. Clean soil was imported to complete the backfill and contour to the surrounding surface. The disturbed area was seeded with a blend of native vegetation and is expected to return to productive capacity at a normal rate.

enclosures: photos, lab results, chloride graph

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 8/28/2007 TITLE Project Scientist



## Vacuum B-1578 EOL

unit C, sec. 30, T17S, R35E



undisturbed junction box

7/11/2005



beginning delineation with trackhoe

9/1/2005



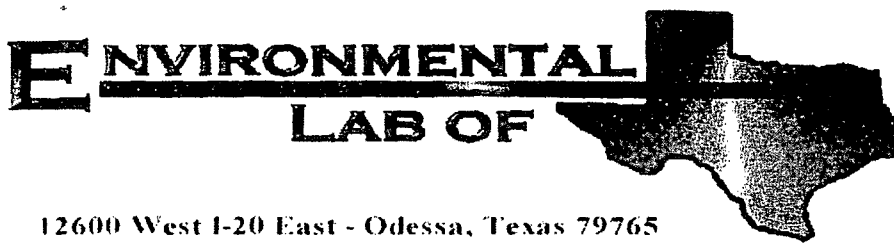
final 35 x 35 x 12-ft-deep excavation

3/9/2006



seeding surface of backfilled site

4/25/2006



35' x 35' 12'  
FINAL

## Analytical Report

**Prepared for:**

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

COPY

Project: Vac. Phillips B 1578 EOL

Project Number: None Given

Location: None Given

Lab Order Number: 6C13003

Report Date: 03/15/06

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

Project: Vac. Phillips B 1578 EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471  
**Reported:**  
03/15/06 10:33

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID              | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|------------------------|---------------|--------|----------------|----------------|
| 4 Wall Comp.           | 6C13003-01    | Soil   | 03/09/06 11:38 | 03/10/06 16:30 |
| Remediated Backfill    | 6C13003-02    | Soil   | 03/09/06 15:00 | 03/10/06 16:30 |
| Bottom Comp. @ 12' bgs | 6C13003-03    | Soil   | 03/09/06 11:15 | 03/10/06 16:30 |



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

Project: Vac. Phillips B 1578 EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
03/15/06 10:33

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

| Analyte   | Result | Reporting<br>Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---|--------|--------------------|-----------|----------|---------|----------|----------|-----------|-------|
| <b>4 Wall Comp. (6C13003-01) Soil</b>           |        |                    |           |          |         |          |          |           |       |
| Carbon Ranges C6-C12                            | ND     | 10.0               | mg/kg dry | 1        | EC61319 | 03/13/06 | 03/14/06 | EPA 8015M |       |
| Carbon Ranges C12-C28                           | 67.3   | 10.0               | "         | "        | "       | "        | "        | "         |       |
| Carbon Ranges C28-C35                           | ND     | 10.0               | "         | "        | "       | "        | "        | "         |       |
| Total Hydrocarbon C6-C35                        | 67.3   | 10.0               | "         | "        | "       | "        | "        | "         |       |
| Surrogate: 1-Chlorooctane                       |        | 121 %              | 70-130    |          | "       | "        | "        | "         |       |
| Surrogate: 1-Chlorooctadecane                   |        | 120 %              | 70-130    |          | "       | "        | "        | "         |       |
| <b>Remediated Backfill (6C13003-02) Soil</b>    |        |                    |           |          |         |          |          |           |       |
| Carbon Ranges C6-C12                            | ND     | 10.0               | mg/kg dry | 1        | EC61319 | 03/13/06 | 03/14/06 | EPA 8015M |       |
| Carbon Ranges C12-C28                           | ND     | 10.0               | "         | "        | "       | "        | "        | "         |       |
| Carbon Ranges C28-C35                           | ND     | 10.0               | "         | "        | "       | "        | "        | "         |       |
| Total Hydrocarbon C6-C35                        | ND     | 10.0               | "         | "        | "       | "        | "        | "         |       |
| Surrogate: 1-Chlorooctane                       |        | 117 %              | 70-130    |          | "       | "        | "        | "         |       |
| Surrogate: 1-Chlorooctadecane                   |        | 120 %              | 70-130    |          | "       | "        | "        | "         |       |
| <b>Bottom Comp. @ 12' bgs (6C13003-03) Soil</b> |        |                    |           |          |         |          |          |           |       |
| Carbon Ranges C6-C12                            | ND     | 10.0               | mg/kg dry | 1        | EC61319 | 03/13/06 | 03/14/06 | EPA 8015M |       |
| Carbon Ranges C12-C28                           | ND     | 10.0               | "         | "        | "       | "        | "        | "         |       |
| Carbon Ranges C28-C35                           | ND     | 10.0               | "         | "        | "       | "        | "        | "         |       |
| Total Hydrocarbon C6-C35                        | ND     | 10.0               | "         | "        | "       | "        | "        | "         |       |
| Surrogate: 1-Chlorooctane                       |        | 93.8 %             | 70-130    |          | "       | "        | "        | "         |       |
| Surrogate: 1-Chlorooctadecane                   |        | 92.4 %             | 70-130    |          | "       | "        | "        | "         |       |

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

Project: Vac. Phillips B 1578 EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471  
Reported:  
03/15/06 10:33

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

| Analyte   | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|---|--------|--------------------|-------|----------|---------|----------|----------|---------------|-------|
| <b>4 Wall Comp. (6C13003-01) Soil</b>           |        |                    |       |          |         |          |          |               |       |
| Chloride  | 423    | 10.0               | mg/kg | 20       | EC61502 | 03/14/06 | 03/15/06 | EPA 300.0     |       |
| % Moisture                                      | 2.3    | 0.1                | %     | 1        | EC61405 | 03/13/06 | 03/14/06 | % calculation |       |
| <b>Remediated Backfill (6C13003-02) Soil</b>    |        |                    |       |          |         |          |          |               |       |
| Chloride  | 716    | 10.0               | mg/kg | 20       | EC61502 | 03/14/06 | 03/15/06 | EPA 300.0     |       |
| % Moisture                                      | 1.4    | 0.1                | %     | 1        | EC61405 | 03/13/06 | 03/14/06 | % calculation |       |
| <b>Bottom Comp. @ 12' bgs (6C13003-03) Soil</b> |        |                    |       |          |         |          |          |               |       |
| Chloride  | 457    | 10.0               | mg/kg | 20       | EC61502 | 03/14/06 | 03/15/06 | EPA 300.0     |       |
| % Moisture                                      | 2.4    | 0.1                | %     | 1        | EC61405 | 03/13/06 | 03/14/06 | % calculation |       |

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

Project: Vac. Phillips B 1578 EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
03/15/06 10:33

**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 |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch EC61319 - Solvent Extraction (GC)**

**Blank (EC61319-BLK1)**

Prepared: 03/13/06 Analyzed: 03/14/06

|                          |    |      |           |  |  |  |  |  |  |  |
|--------------------------|----|------|-----------|--|--|--|--|--|--|--|
| Carbon Ranges C6-C12     | ND | 10.0 | mg/kg wet |  |  |  |  |  |  |  |
| Carbon Ranges C12-C28    | ND | 10.0 | "         |  |  |  |  |  |  |  |
| Carbon Ranges C28-C35    | ND | 10.0 | "         |  |  |  |  |  |  |  |
| Total Hydrocarbon C6-C35 | ND | 10.0 | "         |  |  |  |  |  |  |  |

|                               |      |  |       |      |  |      |        |  |  |  |
|-------------------------------|------|--|-------|------|--|------|--------|--|--|--|
| Surrogate: 1-Chlorooctane     | 48.1 |  | mg/kg | 50.0 |  | 96.2 | 70-130 |  |  |  |
| Surrogate: 1-Chlorooctadecane | 41.5 |  | "     | 50.0 |  | 83.0 | 70-130 |  |  |  |

**LCS (EC61319-BS1)**

Prepared: 03/13/06 Analyzed: 03/14/06

|                          |      |      |           |      |  |      |        |  |  |  |
|--------------------------|------|------|-----------|------|--|------|--------|--|--|--|
| Carbon Ranges C6-C12     | 483  | 10.0 | mg/kg wet | 500  |  | 96.6 | 75-125 |  |  |  |
| Carbon Ranges C12-C28    | 537  | 10.0 | "         | 500  |  | 107  | 75-125 |  |  |  |
| Total Hydrocarbon C6-C35 | 1020 | 10.0 | "         | 1000 |  | 102  | 75-125 |  |  |  |

|                               |      |  |       |     |  |      |        |  |  |  |
|-------------------------------|------|--|-------|-----|--|------|--------|--|--|--|
| Surrogate: 1-Chlorooctane     | 92.6 |  | mg/kg | 100 |  | 92.6 | 70-130 |  |  |  |
| Surrogate: 1-Chlorooctadecane | 72.7 |  | "     | 100 |  | 72.7 | 70-130 |  |  |  |

**Calibration Check (EC61319-CCV1)**

Prepared: 03/13/06 Analyzed: 03/14/06

|                          |     |  |       |     |  |     |        |  |  |  |
|--------------------------|-----|--|-------|-----|--|-----|--------|--|--|--|
| Carbon Ranges C6-C12     | 257 |  | mg/kg | 250 |  | 103 | 80-120 |  |  |  |
| Carbon Ranges C12-C28    | 262 |  | "     | 250 |  | 105 | 80-120 |  |  |  |
| Total Hydrocarbon C6-C35 | 519 |  | "     | 500 |  | 104 | 80-120 |  |  |  |

|                               |      |  |   |     |  |      |        |  |  |  |
|-------------------------------|------|--|---|-----|--|------|--------|--|--|--|
| Surrogate: 1-Chlorooctane     | 110  |  | " | 100 |  | 110  | 70-130 |  |  |  |
| Surrogate: 1-Chlorooctadecane | 99.6 |  | " | 100 |  | 99.6 | 70-130 |  |  |  |

**Matrix Spike (EC61319-MS1)**

Source: 6C13003-01

Prepared: 03/13/06 Analyzed: 03/14/06

|                          |     |      |           |      |      |      |        |  |  |  |
|--------------------------|-----|------|-----------|------|------|------|--------|--|--|--|
| Carbon Ranges C6-C12     | 412 | 10.0 | mg/kg dry | 512  | ND   | 80.5 | 75-125 |  |  |  |
| Carbon Ranges C12-C28    | 487 | 10.0 | "         | 512  | 67.3 | 82.0 | 75-125 |  |  |  |
| Total Hydrocarbon C6-C35 | 899 | 10.0 | "         | 1020 | 67.3 | 81.5 | 75-125 |  |  |  |

|                               |      |  |       |      |  |      |        |  |  |  |
|-------------------------------|------|--|-------|------|--|------|--------|--|--|--|
| Surrogate: 1-Chlorooctane     | 57.2 |  | mg/kg | 50.0 |  | 114  | 70-130 |  |  |  |
| Surrogate: 1-Chlorooctadecane | 40.8 |  | "     | 50.0 |  | 81.6 | 70-130 |  |  |  |

Environmental Lab of Texas

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

Page 4 of 7

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

Project: Vac. Phillips B 1578 EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
03/15/06 10:33

**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 |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch EC61319 - Solvent Extraction (GC)**

**Matrix Spike Dup (EC61319-MSD1)**

Source: 6C13003-01

Prepared: 03/13/06 Analyzed: 03/14/06

|                               |      |      |           |      |      |      |        |      |    |  |
|-------------------------------|------|------|-----------|------|------|------|--------|------|----|--|
| Carbon Ranges C6-C12          | 428  | 10.0 | mg/kg dry | 512  | ND   | 83.6 | 75-125 | 3.81 | 20 |  |
| Carbon Ranges C12-C28         | 493  | 10.0 | "         | 512  | 67.3 | 83.1 | 75-125 | 1.22 | 20 |  |
| Total Hydrocarbon C6-C35      | 921  | 10.0 | "         | 1020 | 67.3 | 83.7 | 75-125 | 2.42 | 20 |  |
| Surrogate: 1-Chlorooctane     | 59.0 |      | mg/kg     | 50.0 |      | 118  | 70-130 |      |    |  |
| Surrogate: 1-Chlorooctadecane | 42.1 |      | "         | 50.0 |      | 84.2 | 70-130 |      |    |  |

Environmental Lab of Texas

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

Page 5 of 7

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

Project: Vac. Phillips B 1578 EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471  
**Reported:**  
03/15/06 10:33

**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 |
|---|--------|---------------------------------------|-------|---------------------------------------|------------------|------|----------------|-------|--------------|-------|
| <b>Batch EC61405 - General Preparation (Prep)</b> |        |                                       |       |                                       |                  |      |                |       |              |       |
| <b>Blank (EC61405-BLK1)</b>                       |        | Prepared: 03/13/06 Analyzed: 03/14/06 |       |                                       |                  |      |                |       |              |       |
| % Solids  | 100    |                                       | %     |                                       |                  |      |                |       |              |       |
| <b>Duplicate (EC61405-DUP1)</b>                   |        | <b>Source: 6C10011-01</b>             |       | Prepared: 03/13/06 Analyzed: 03/14/06 |                  |      |                |       |              |       |
| % Solids  | 96.5   |                                       | %     |                                       | 96.9             |      |                | 0.414 | 20           |       |
| <b>Duplicate (EC61405-DUP2)</b>                   |        | <b>Source: 6C10017-03</b>             |       | Prepared: 03/13/06 Analyzed: 03/14/06 |                  |      |                |       |              |       |
| % Solids  | 89.8   |                                       | %     |                                       | 90.4             |      |                | 0.666 | 20           |       |
| <b>Duplicate (EC61405-DUP3)</b>                   |        | <b>Source: 6C13014-01</b>             |       | Prepared: 03/13/06 Analyzed: 03/14/06 |                  |      |                |       |              |       |
| % Solids  | 92.8   |                                       | %     |                                       | 92.5             |      |                | 0.324 | 20           |       |
| <b>Batch EC61502 - Water Extraction</b>           |        |                                       |       |                                       |                  |      |                |       |              |       |
| <b>Blank (EC61502-BLK1)</b>                       |        | Prepared: 03/14/06 Analyzed: 03/15/06 |       |                                       |                  |      |                |       |              |       |
| Chloride  | ND     | 0.500                                 | mg/kg |                                       |                  |      |                |       |              |       |
| <b>LCS (EC61502-BS1)</b>                          |        | Prepared: 03/14/06 Analyzed: 03/15/06 |       |                                       |                  |      |                |       |              |       |
| Chloride  | 9.23   |                                       | mg/L  | 10.0                                  |                  | 92.3 | 80-120         |       |              |       |
| <b>Calibration Check (EC61502-CCV1)</b>           |        | Prepared: 03/14/06 Analyzed: 03/15/06 |       |                                       |                  |      |                |       |              |       |
| Chloride  | 8.97   |                                       | mg/L  | 10.0                                  |                  | 89.7 | 80-120         |       |              |       |
| <b>Duplicate (EC61502-DUP1)</b>                   |        | <b>Source: 6C13003-01</b>             |       | Prepared: 03/14/06 Analyzed: 03/15/06 |                  |      |                |       |              |       |
| Chloride  | 420    | 10.0                                  | mg/kg |                                       | 423              |      |                | 0.712 | 20           |       |

Environmental Lab of Texas

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

Page 6 of 7

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

Project: Vac. Phillips B 1578 EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
03/15/06 10:33

### 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: Raland K. Tuttle Date: 3-15-06

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

Jeanne Mc Murrey, Inorg. Tech Director  
LaTasha Cornish, Chemist  
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

**12600 West I-20 East  
Odessa, Texas 79763**

**Fax: 916-863-1713**

Project Name: Van Phillips B-1578

Project #: \_\_\_\_\_

Project Log:

PO #:

Project Manager: David P. KASION

Company Name File Diffusion

Company Address: 1221 W Taylor

City/State/Zip: Hobbs NM 88240

Telephone No: (505) 593-9124 Fax No:

Fax No:

Sampler Signature: 

[illegible]



# Environmental Lab of Texas

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

Client: Rice Operating Co.

Date/Time: 03-10-06 @ 16:30

Order #: 6C13003

Initials: JMM

### Sample Receipt Checklist

|   |   |                             |                |   |
|---|---|-----------------------------|----------------|---|
| Temperature of container/cooler?                          | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 5.0            | C |
| Shipping container/cooler in good condition?              | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |                |   |
| Custody Seals intact on shipping container/cooler?        | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Not present    |   |
| Custody Seals intact on sample bottles?                   | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Not present    |   |
| Chain of custody present?                                 | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |                |   |
| Sample Instructions complete on Chain of Custody?         | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |                |   |
| Chain of Custody signed when relinquished and received?   | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |                |   |
| Chain of custody agrees with sample label(s)              | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |                |   |
| Container labels legible and intact?                      | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |                |   |
| Sample Matrix and properties same as on chain of custody? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |                |   |
| Samples in proper container/bottle?                       | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |                |   |
| Samples properly preserved?                               | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |                |   |
| Sample bottles intact?                                    | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |                |   |
| Preservations documented on Chain of Custody?             | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |                |   |
| Containers documented on Chain of Custody?                | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |                |   |
| Sufficient sample amount for indicated test?              | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |                |   |
| All samples received within sufficient hold time?         | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |                |   |
| VOC samples have zero headspace?                          | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Not Applicable |   |

Other observations:

---



---



---

### Variance Documentation:

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

---



---



---

Corrective Action Taken:

---



---



---



---



---



---



---



---

# 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

SERIAL NO: 104412

CALIBRATION GAS

GAS COMPOSITION: ISOBUTYLENE

100 PPM

AIR

BALANCE

LOT NO: 04-2747

FILL DATE: 2-1-05

EXP. DATE: 8-1-06

ACCURACY: ± 2%

METER READING

ACCURACY: 100.6

| SYSTEM | JUNCTION           | UNIT | SECTION | TOWNSHIP | RANGE |
|--------|--------------------|------|---------|----------|-------|
| Vac    | Phillips<br>B-1578 | C    | 30      | 17S      | 35E   |

EOL

| SAMPLE            | PID RESULT | SAMPLE | PID RESULT |
|-------------------|------------|--------|------------|
| Btm. Comp. @ 12'  | 0.0        |        |            |
| 4. Wall Comp      | 0.1        |        |            |
| Remed. Soil       | 0.0        |        |            |
| 10' N. Wall Comp. | 0.1        |        |            |
| 10' S. Wall Comp. | 0.1        |        |            |
| 10' E. Wall Comp. | 0.1        |        |            |
| 10' W. Wall Comp. | 0.1        |        |            |
|                   |            |        |            |
|                   |            |        |            |
|                   |            |        |            |
|                   |            |        |            |
|                   |            |        |            |
|                   |            |        |            |
|                   |            |        |            |

20'x20'x12'

10'

10'

10'

10'

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

Roy R. Rascon  
Signature

9-6-05  
Date

**Hansen, Edward J., EMNRD**

---

**From:** Laura Pena <lpena@riceswd.com>  
**Sent:** Thursday, May 17, 2012 12:01 PM  
**To:** Hansen, Edward J., EMNRD  
**Cc:** Hack Conder; Katie Jones  
**Subject:** Vacuum B-1578 EOL (1R425-40) Photo Documentation  
**Attachments:** Vacuum B-1578 EOL (1R425-40) Photo Documentation.pdf

Mr. Hansen,

Attached is the photo documentation for the Vacuum B-1578 EOL (1R425-40) site as requested.

If you have any questions, please contact Hack Conder at (575)631-6432.

Thank you,  
Laura Peña

Vacuum B-1578 EOL (1R425-40)  
Unit C, Section 30, T17S, R35E



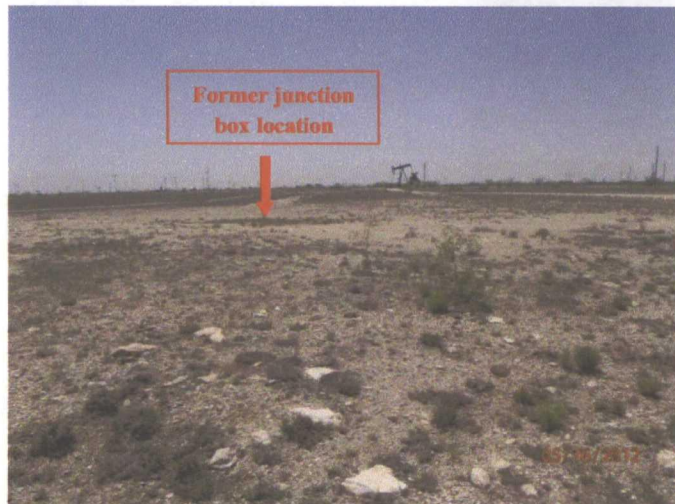
Facing east

7/11/2005



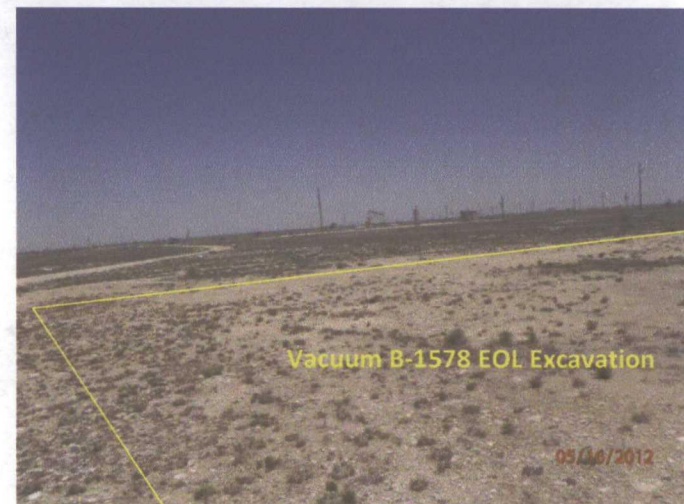
Facing west

7/11/2005



Facing east

5/16/2012



Facing west

5/16/2012