

1R - 426-106

REPORTS

DATE:

11/16/2004

BD P-26-1 Vent

1R0426-106

DISCLOSURE REPORT

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

BOX LOCATION

| SWD SYSTEM | JUNCTION | UNIT | SECTION | TOWNSHIP | RANGE | COUNTY | BOX DIMENSIONS - FEET | | |
|------------|-------------|------|---------|----------|-------|--------|-----------------------|-------|-------|
| BD | P-26-1 vent | P | 26 | 21S | 37E | Lea | Length | Width | Depth |
| | | | | | | | moved 20 ft north | | |

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Delrose Scott OTHER _____

Depth to Groundwater 40 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 6/28/2004 Date Completed 7/15/2004 NMOCD Witness no

Soil Excavated 389 cubic yards Excavation Length 35 Width 25 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 7/9/2004 Sample Depth 12

Procure 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 |
|-----------------|---------|-----------|-----------|----------------|
| 4-WALL COMP. | 6.6 | <10.0 | <10.0 | 2190 |
| BOTTOM COMP. | 6.0 | <10.0 | <10.0 | 1570 |
| REMED. BACKFILL | 24.5 | 66.4 | 995 | 1510 |

| LOCATION | DEPTH (ft) | ppm |
|------------------------|------------|------|
| vertical at junction | 8 | 1668 |
| | 9 | 2201 |
| | 10 | 1159 |
| | 11 | 1286 |
| | 12 | 1598 |
| 20 ft east of junction | 4 | 1793 |
| | 6 | 2382 |
| | 8 | 1464 |
| | 10 | 2088 |
| 25 ft west of junction | 4 | 597 |
| | 6 | 310 |
| | 8 | 546 |
| | 10 | 1741 |
| 4-wall comp. | 12 | 4002 |
| | n/a | 2160 |
| | 12 | 1683 |
| bottom comp. | n/a | 1349 |

General Description of Remedial Action: This junction box contained a vent and was located just north of a busy lease road. The pipeline was replaced with 4-in. poly and the junction was moved about 20 ft north of its former location. The old junction was delineated using a backhoe while chloride field tests and PID screenings were conducted at regular intervals.

Chloride concentrations were elevated and consistent with depth and breadth throughout the 25 x 35 x 12-ft-deep excavation. Additional delineation trenches were made to further characterize chloride impact to the north and east of the excavation (see diagram) but concentrations did not relent. Elevated PID readings were relatively isolated just under the box and significantly declined with depth. The bottom and wall composite samples were well below NMOCD TPH guideline concentrations, however, guidelines were not met on the backfill sample. The excavated soils were blended and backfilled into the excavation up to 6 ft BGS. At 6 ft, a 1-ft-thick compacted clay barrier was installed to inhibit further downward migration of chloride. The remaining spoils were backfilled on top of the clay. An identification plate was placed on the surface to mark the location

of the clay below and for future environmental considerations at this site. A new watertight junction box will be built 20 ft north of this site. NMOCD has been notified of potential groundwater impact at this site.

ADDITIONAL EVALUATION IS HIGH PRIORITY

enclosures: chloride graphs, photos, lab results, PID screenings, clay test, cross-section, plan view

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

SITE SUPERVISOR Joe Gatts SIGNATURE *Joe Gatts* COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE *Kristin Farris Pope*

DATE 11/16/2004 TITLE Project Scientist

*** This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.**

BD P-26-1 vent

unit 'P', Sec. 26, T21S, R37E



junction box during NORM decontamination & survey
(looking north) 8/20/2003



delineation & excavation 15 ft west of junction 6/30/2004



delineation trench at junction 6/29/2004



backfilling final excavation

7/12/2004



testing compacted clay

7/14/2004

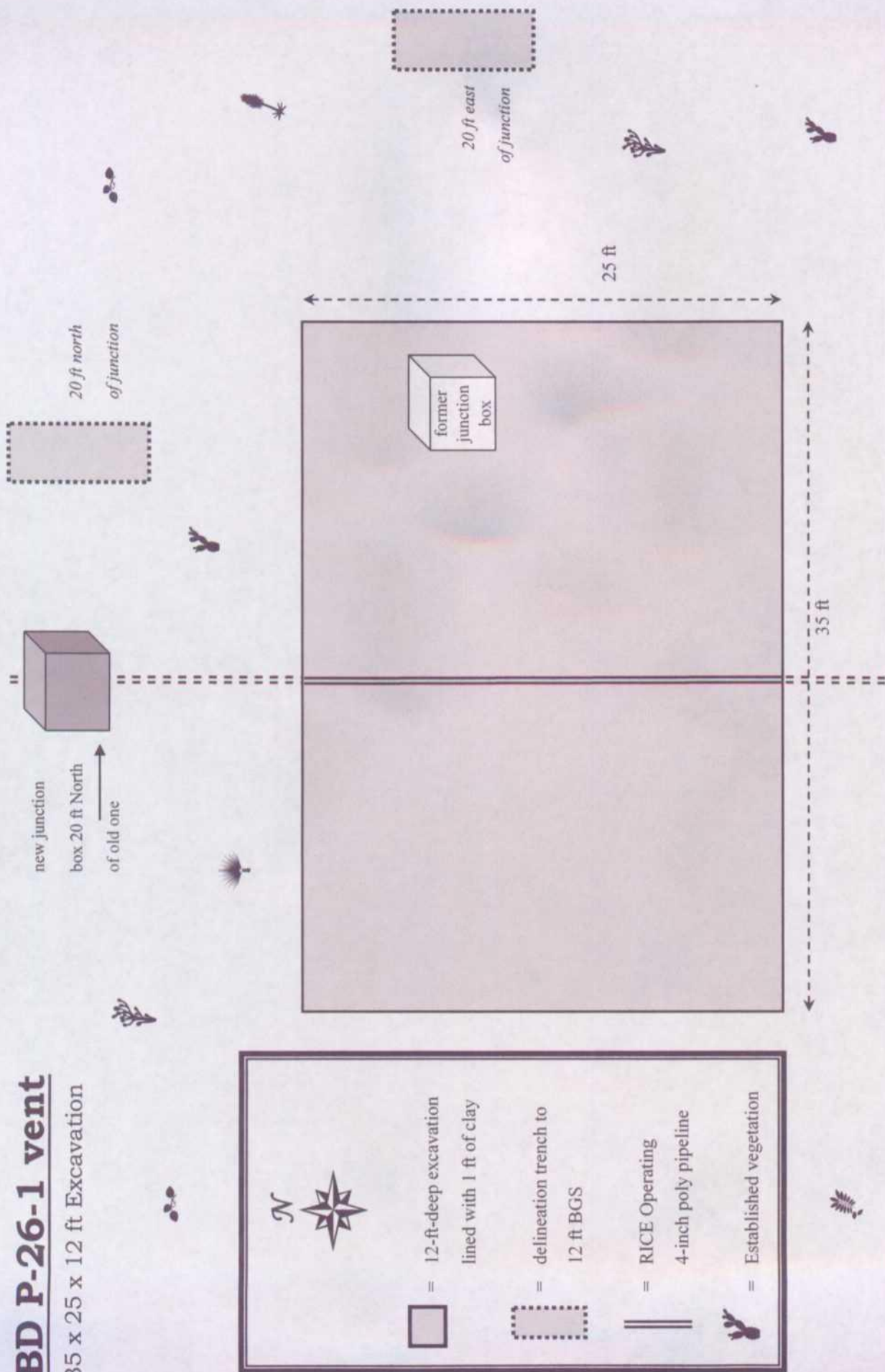


seeding disturbed surface; ID plate on surface

10/15/2004

BD P-26-1 vent

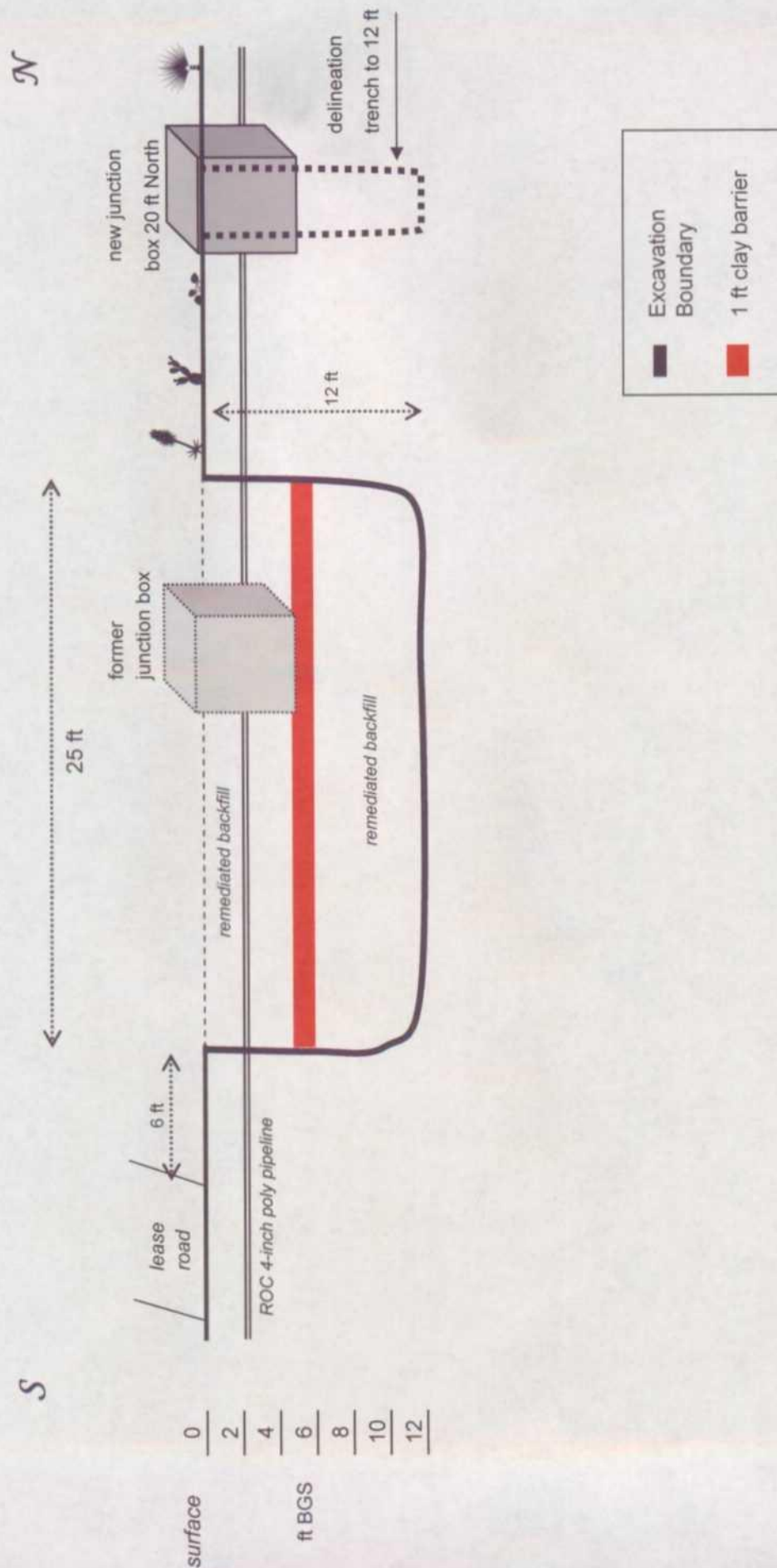
35 x 25 x 12 ft Excavation



BD P-26-1 vent

35 x 25 x 12 ft

Excavation Cross-Section



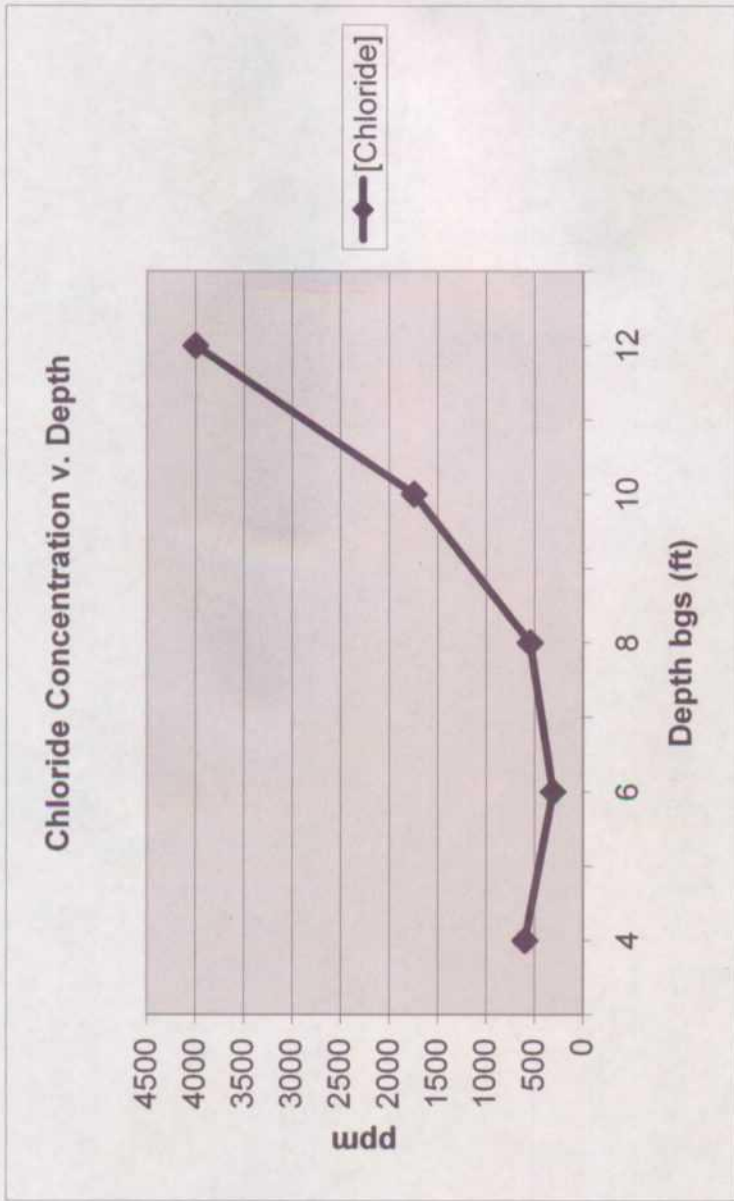
BD P-26-1 vent

unit 'P', sec. 26, T21S, R37E

25 ft WEST of junction box

| Depth bgs (ft) | [Cl ⁻] ppm |
|----------------|------------------------|
| 4 | 597 |
| 6 | 310 |
| 8 | 546 |
| 10 | 1741 |
| 12 | 4002 |

Groundwater = 40 ft



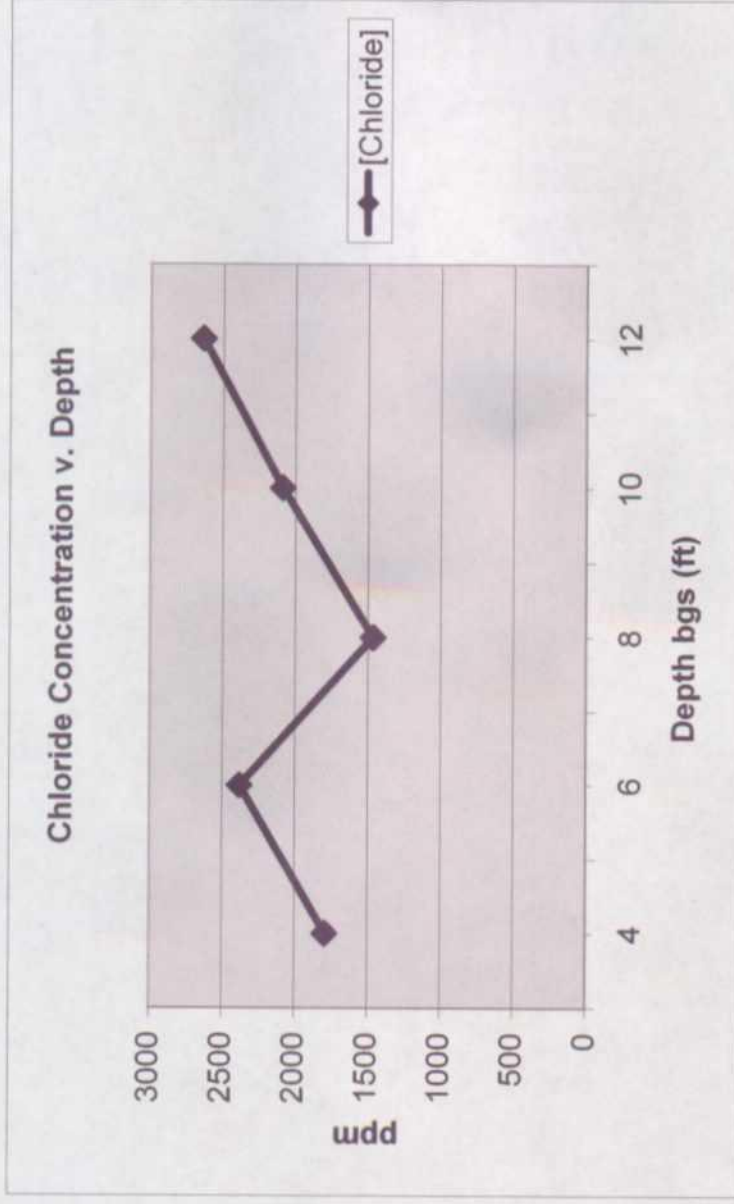
BD P-26-1 vent

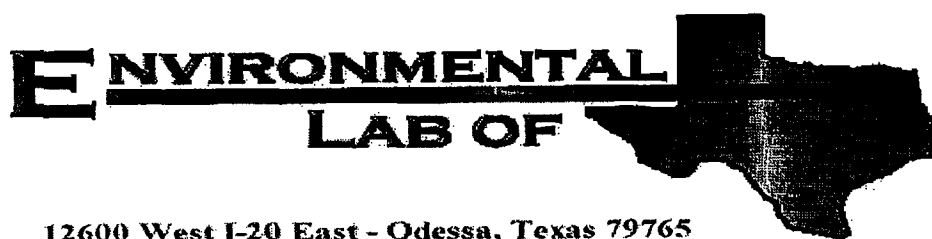
unit 'P', sec. 26, T21S, R37E

20 ft EAST of junction box

| Depth bgs (ft) | [Cl ⁻] ppm |
|----------------|------------------------|
| 4 | 1793 |
| 6 | 2382 |
| 8 | 1464 |
| 10 | 2088 |
| 12 | 2639 |

Groundwater = 40 ft





12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

BD

Project: P-26-1
Project Number: None given
Location: BD

Lab Order Number: 4G09025

Report Date: 07/16/04

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

Project: P-26-1
Project Number: None given
Project Manager: Roy Rascon

Fax: (505) 397-1471
Reported:
07/16/04 10:28

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------------------|---------------|--------|----------------|----------------|
| Bott Comp. at 12' bgs | 4G09025-01 | Soil | 07/09/04 08:30 | 07/09/04 17:30 |
| 4 Wall Comp. | 4G09025-02 | Soil | 07/09/04 08:45 | 07/09/04 17:30 |
| Remd Backfill | 4G09025-03 | Soil | 07/09/04 09:00 | 07/09/04 17:30 |

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

Project: P-26-1
Project Number: None given
Project Manager: Roy Rascon

Fax: (505) 397-1471
Reported:
07/16/04 10:28

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|--------------------|-----------|----------|---------|----------|----------|-----------|-------|
| Bott Comp. at 12' bgs (4G09025-01) Soil | | | | | | | | | |
| Gasoline Range Organics C6-C12 | ND | 10.0 | mg/kg dry | 1 | EG41301 | 07/12/04 | 07/12/04 | EPA 8015M | |
| Diesel Range Organics >C12-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon C6-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 79.0 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 70.8 % | 70-130 | | " | " | " | " | |
| 4 Wall Comp. (4G09025-02) Soil | | | | | | | | | |
| Gasoline Range Organics C6-C12 | ND | 10.0 | mg/kg dry | 1 | EG41301 | 07/12/04 | 07/12/04 | EPA 8015M | |
| Diesel Range Organics >C12-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon C6-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 84.8 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 72.4 % | 70-130 | | " | " | " | " | |
| Remd Backfill (4G09025-03) Soil | | | | | | | | | |
| Gasoline Range Organics C6-C12 | 66.4 | 10.0 | mg/kg dry | 1 | EG41301 | 07/12/04 | 07/12/04 | EPA 8015M | |
| Diesel Range Organics >C12-C35 | 995 | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon C6-C35 | 1060 | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 91.0 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 84.8 % | 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 2 of 6

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

Project: P-26-1
Project Number: None given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
07/16/04 10:28

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|--------------------|-------|----------|---------|----------|----------|---------------|-------|
| Bott Comp. at 12' bgs (4G09025-01) Soil | | | | | | | | | |
| Chloride | 1570 | 20.0 mg/kg Wet | | 2 | EG41208 | 07/12/04 | 07/12/04 | SW 846 9253 | |
| % Solids | 92.0 | | % | 1 | EG41209 | 07/10/04 | 07/12/04 | % calculation | |
| 4 Wall Comp. (4G09025-02) Soil | | | | | | | | | |
| Chloride | 2190 | 20.0 mg/kg Wet | | 2 | EG41208 | 07/12/04 | 07/12/04 | SW 846 9253 | |
| % Solids | 95.0 | | % | 1 | EG41209 | 07/10/04 | 07/12/04 | % calculation | |
| Remd Backfill (4G09025-03) Soil | | | | | | | | | |
| Chloride | 1510 | 20.0 mg/kg Wet | | 2 | EG41208 | 07/12/04 | 07/12/04 | SW 846 9253 | |
| % Solids | 93.0 | | % | 1 | EG41209 | 07/10/04 | 07/12/04 | % calculation | |

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

Project: P-26-1
Project Number: None given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
07/16/04 10:28

Organics by GC - Quality Control
Environmental Lab of Texas

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

Batch EG41301 - Solvent Extraction (GC)**Blank (EG41301-BLK1)**

Prepared & Analyzed: 07/12/04

| | | | | | | | | | | |
|--------------------------------|------|------|-----------|------|--|------|--------|--|--|--|
| 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 | 37.1 | | mg/kg | 50.0 | | 74.2 | 70-130 | | | |
| Surrogate: 1-Chlorooctadecane | 38.2 | | " | 50.0 | | 76.4 | 70-130 | | | |

LCS (EG41301-BS1)

Prepared & Analyzed: 07/12/04

| | | | | | | | | | | |
|--------------------------------|------|------|-----------|------|--|------|--------|--|--|--|
| Gasoline Range Organics C6-C12 | 407 | 10.0 | mg/kg wet | 500 | | 81.4 | 75-125 | | | |
| Diesel Range Organics >C12-C35 | 405 | 10.0 | " | 500 | | 81.0 | 75-125 | | | |
| Total Hydrocarbon C6-C35 | 812 | 10.0 | " | 1000 | | 81.2 | 75-125 | | | |
| Surrogate: 1-Chlorooctane | 44.7 | | mg/kg | 50.0 | | 89.4 | 70-130 | | | |
| Surrogate: 1-Chlorooctadecane | 39.0 | | " | 50.0 | | 78.0 | 70-130 | | | |

LCS Dup (EG41301-BSD1)

Prepared & Analyzed: 07/12/04

| | | | | | | | | | | |
|--------------------------------|------|------|-----------|------|--|------|--------|-------|----|--|
| Gasoline Range Organics C6-C12 | 406 | 10.0 | mg/kg wet | 500 | | 81.2 | 75-125 | 0.246 | 20 | |
| Diesel Range Organics >C12-C35 | 471 | 10.0 | " | 500 | | 94.2 | 75-125 | 15.1 | 20 | |
| Total Hydrocarbon C6-C35 | 876 | 10.0 | " | 1000 | | 87.6 | 75-125 | 7.58 | 20 | |
| Surrogate: 1-Chlorooctane | 47.0 | | mg/kg | 50.0 | | 94.0 | 70-130 | | | |
| Surrogate: 1-Chlorooctadecane | 36.5 | | " | 50.0 | | 73.0 | 70-130 | | | |

Calibration Check (EG41301-CCV1)

Prepared & Analyzed: 07/12/04

| | | | | | | | | | | |
|--------------------------------|------|--|-------|------|--|------|--------|--|--|--|
| Gasoline Range Organics C6-C12 | 409 | | mg/kg | 500 | | 81.8 | 80-120 | | | |
| Diesel Range Organics >C12-C35 | 490 | | " | 500 | | 98.0 | 80-120 | | | |
| Total Hydrocarbon C6-C35 | 899 | | " | 1000 | | 89.9 | 80-120 | | | |
| Surrogate: 1-Chlorooctane | 49.3 | | " | 50.0 | | 98.6 | 70-130 | | | |
| Surrogate: 1-Chlorooctadecane | 35.0 | | " | 50.0 | | 70.0 | 70-130 | | | |

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

Project: P-26-1
Project Number: None given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
07/16/04 10:28

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|--------------------|-----------|--|------------------|------|----------------|------|--------------|-------|
| Batch EG41208 - Water Extraction | | | | | | | | | | |
| Blank (EG41208-BLK1) | | | | Prepared & Analyzed: 07/12/04 | | | | | | |
| Chloride | ND | 20.0 | mg/kg Wet | | | | | | | |
| Matrix Spike (EG41208-MS1) | | | | Source: 4G09026-02 Prepared & Analyzed: 07/12/04 | | | | | | |
| Chloride | 1000 | 20.0 | mg/kg Wet | 500 | 585 | 83.0 | 80-120 | | | |
| Matrix Spike Dup (EG41208-MSD1) | | | | Source: 4G09026-02 Prepared & Analyzed: 07/12/04 | | | | | | |
| Chloride | 1000 | 20.0 | mg/kg Wet | 500 | 585 | 83.0 | 80-120 | 0.00 | 20 | |
| Reference (EG41208-SRM1) | | | | Prepared & Analyzed: 07/12/04 | | | | | | |
| Chloride | 5000 | | mg/kg | 5000 | | 100 | 80-120 | | | |
| Batch EG41209 - General Preparation (Prep) | | | | | | | | | | |
| Blank (EG41209-BLK1) | | | | Prepared: 07/10/04 Analyzed: 07/12/04 | | | | | | |
| % Solids | 100 | | % | | | | | | | |
| Blank (EG41209-BLK2) | | | | Prepared: 07/10/04 Analyzed: 07/12/04 | | | | | | |
| % Solids | 100 | | % | | | | | | | |
| Duplicate (EG41209-DUP1) | | | | Source: 4G09022-01 Prepared: 07/10/04 Analyzed: 07/12/04 | | | | | | |
| % Solids | 90.0 | | % | | 90.0 | | | 0.00 | 20 | |
| Duplicate (EG41209-DUP2) | | | | Source: 4G09025-01 Prepared: 07/10/04 Analyzed: 07/12/04 | | | | | | |
| % Solids | 92.0 | | % | | 92.0 | | | 0.00 | 20 | |

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Page 5 of 6

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

Project: P-26-1
Project Number: None given
Project Manager: Roy Rascon

Fax: (505) 397-1471
Reported:
07/16/04 10:28

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:

7-16-04

Raland K. Tuttle, QA Officer

Celey D. Keene, Lab Director, Org. Tech Director

Jeanne Mc Murrey, Inorg. Tech Director

James L. Hawkins, Chemist/Geologist

Sara Molina, Chemist

Sandra Biezugbe, Lab Tech.

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Environmental Lab of Texas

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Page 6 of 6

12600 West I-20 East
Odessa, Texas 79763

Phone: 915-563-1800
Fax: 915-563-1713

Project Manager:

Roy Rascon

Company Name

RICE Operating

Company Address:

W. Taylor

City/State/Zip:

0488, WY

Telephone No:

(505) 393-9174

Fax No:

(505) 397-1471

Sampler Signature:

Joe Gaults

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name:

P-26-1

Project #:

Project Loc:

13

PO #

505

[illegible]

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: 02-22-30
EXP. DATE: 11/20/04
METER READING
ACCURACY: 100.1

SERIAL NO: 104412

100 PPM
BALANCE
FILL DATE: 5/20/03
ACCURACY: + or - 2%

| SYSTEM | JUNCTION | UNIT | SECTION | TOWNSHIP | RANGE |
|--------|----------|------|---------|----------|-------|
| BD | P-26-1 | P | 26 | 21 | 37 |

| SAMPLE | PID RESULT | SAMPLE | PID RESULT |
|----------------|------------|--------|------------|
| Bott Comp 12' | 6.0 | | |
| 4 WALL COMP | 6.6 | | |
| REIMD BACKFILL | 24.5 | | |
| 7' North Wall | 0.1 | | |
| 18' South Wall | 0.1 | | |
| 25' WEST Wall | 0.1 | | |
| 10' East Wall | 0.1 | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

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


Signature

7/9/04
Date



LABORATORY TEST REPORT
PETTIGREW & ASSOCIATES, P.A.
1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827



DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS, III, P.E./P.S.

To: Rice Operating
Attn: Carolyn Haynes
122 W. Taylor
Hobbs, NM 88240

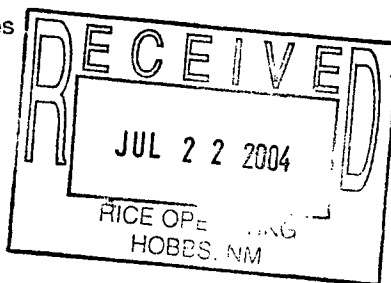
Material: Red Clay

Project: JCT P 26 - 1 BD

Test Method: ASTM: D 2922

Date of Test: July 14, 2004

Depth: Finished Subgrade



| Test No. | Location | Dry Density % Maximum | % Moisture | Depth |
|----------|---------------------------------------|--------------------------|------------|-------|
| SG-1 | Pit - 10' W. & 6' N. of the SE Corner | 96.6 | 24.3 | |

Control Density: 109.5
ASTM: D 698

Optimum Moisture: 16.6

Required Compaction: 95%

Lab No.: 04 7529-7530

Copies To: Rice

PETTIGREW & ASSOCIATES

BY: SET