

1R - 426-214

REPORTS

DATE:

8-20-08

BD Vent F-26

1 R426-214

RECEIVED

MAR 25 1976

Environmental Bureau
Oil Conservation Division

Disclosure

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

BOX LOCATION

| SWD SYSTEM | JUNCTION | UNIT | SECTION | TOWNSHIP | RANGE | COUNTY | BOX DIMENSIONS - FEET | | |
|------------------------|-----------|------|---------|----------|-------|--------|-----------------------|-------|-------|
| Blinebry-Drinkard (BD) | F-26 vent | F | 26 | 21S | 37E | Lea | Length | Width | Depth |
| | | | | | | | eliminated | | |

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

Depth to Groundwater 50 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 1/22/2008 Date Completed 2/1/2008 OCD Witness no

Soil Excavated 200.0 cubic yards Excavation Length 30 Width 15 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 1/25/2008 Sample Depth 12 ft

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

| Sample Location | Benzene mg/kg | Toluene mg/kg | Ethyl Benzene mg/kg | Total Xylenes mg/kg | GRO mg/kg | DRO mg/kg | Chlorides mg/kg |
|-----------------|--------------------|---------------|---------------------|---------------------|-----------|-----------|-----------------|
| 4-WALL COMP. | PID = 48.9 (field) | | | | <10.0 | 963 | 768 |
| BOTTOM COMP. | <0.020 | 0.126 | 0.706 | 2.17 | 43.9 | 764 | 368 |
| BACKFILL | PID = 83.3 (field) | | | | 12.9 | 872 | 784 |

General Description of Remedial Action: This junction box was eliminated during

the pipeline replacement/upgrade program. After the former box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals, producing a 30x15x12-ft-deep hole. Each sample was field tested for chloride and organic vapors. The excavated soil was blended on-site and returned to the excavation to ground surface and contoured to the surrounding area. On 2/1/2008, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. An identification plate was placed on the surface of the backfilled site to mark the location of the former junction for future environmental consideration. NMOCD was notified of potential groundwater impact on 8/18/2008.

ADDITIONAL EVALUATION IS HIGH PRIORITY

enclosures: photos, lab results, PID screenings, BTEX comparison study, chloride curve

CHLORIDE FIELD TESTS

| LOCATION | DEPTH | mg/kg |
|---|-------|-------|
| 4-wall comp. | n/a | 637 |
| bottom comp. | 12 | 334 |
| backfill comp. | n/a | 751 |
| vertical delineation trench 15 ft west of junction (source) | 2' | 1756 |
| | 4' | 1431 |
| | 6' | 1625 |
| | 8' | 1972 |
| | 10' | 2628 |
| | 12 | 3149 |

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

REPORT ASSEMBLED BY Katie Jones INITIAL KJ COMPANY RICE OPERATING COMPANY

SITE SUPERVISOR Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr.

DATE 8-20-08 TITLE PROJECT LEADER

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

BD F-26 vent

Unit F, Section 26, T21S, R37E



taking a sample of delineation trench 5 ft north of source 1/22/2008



excavation and blending backfill, facing northeast 1/24/2008



backfilling excavation, facing north

1/31/2008



seeding backfilled site, facing north

2/1/2008



site marker

2/1/2008



site complete, facing east

2/1/2008



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: BRUCE BAKER
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

COPY

Receiving Date: 01/25/08
Reporting Date: 01/28/08
Project Owner: NOT GIVEN
Project Name: BD JCT F-26 VENT
Project Location: BD JCT F-26 VENT

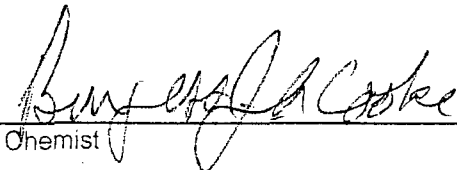
Sampling Date: 01/25/08
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: ML
Analyzed By: BC/HM

| LAB NO. | SAMPLE ID | GRO (C ₆ -C ₁₀) (mg/Kg) | DRO (>C ₁₀ -C ₂₈) (mg/Kg) | CI* (mg/Kg) |
|----------|-----------------------------|--|--|----------------|
| | | | | |
| | ANALYSIS DATE | 01/25/08 | 01/25/08 | 01/28/08 |
| H14163-1 | 5PT. BTTM COMP @ 12' | 43.9 | 764 | 368 |
| H14163-3 | 4 WALL COMP | <10.0 | 963 | 768 |
| H14163-4 | BLENDED BACKFILL | 12.9 | 872 | 784 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | Quality Control | 749 | 766 | 500 |
| | True Value QC | 800 | 800 | 500 |
| | % Recovery | 93.7 | 95.8 | 100 |
| | Relative Percent Difference | 1.0 | 6.1 | 2.0 |

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

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

JAN 28 2008


Chemist


Date

H14163A RICE

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ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: BRUCE BAKER
122 WEST TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

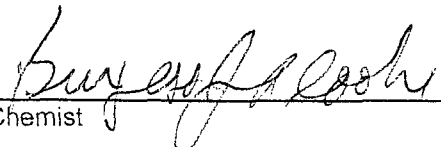
COPY

Receiving Date: 01/25/08
Reporting Date: 01/28/08
Project Owner: NOT GIVEN
Project Name: BD JCT F-26 VENT
Project Location: BD JCT F-26 VENT

Sampling Date: 01/25/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

| LAB NUMBER | SAMPLE ID | BENZENE (mg/kg) | TOLUENE (mg/kg) | ETHYL BENZENE (mg/kg) | TOTAL XYLENES (mg/kg) |
|-----------------------------|--|--------------------|--------------------|-----------------------------|-----------------------------|
| ANALYSIS DATE | | 01/28/08 | 01/28/08 | 01/28/08 | 01/28/08 |
| H14163-1 | 5 PT. BTTM COMP @ 12' | <0.020 | 0.126 | 0.706 | 2.17 |
| H14163-2 | 5 PT. BTTM SAMPLE PT. 1, 2, 3, 4, 5 COMP. | <0.020 | 0.139 | 0.753 | 2.17 |
| | | | | | |
| | | | | | |
| Quality Control | | 0.098 | 0.086 | 0.092 | 0.277 |
| True Value QC | | 0.100 | 0.100 | 0.100 | 0.300 |
| % Recovery | | 97.6 | 86.3 | 92.3 | 92.3 |
| Relative Percent Difference | | 0.3 | 1.2 | 1.3 | 1.8 |

METHOD: EPA SW-846 8021B


Chemist

1/28/08
Date



COPY

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

| BILL TO | | | | | | | | | | ANALYSIS REQUEST | | | | | | | | | |
|---|------------------|------------------------|--------------|-------------|------------|------|-----|---------|-------|------------------------------------|------------|---------|---------|----|------|------------|------|-----|-----------|
| Company Name: <u>Rice Operating Co</u> | | | | | | | | | | P.O. #: | | | | | | | | | |
| Project Manager: <u>Bruce Baker</u> | | | | | | | | | | Company: | | | | | | | | | |
| Address: <u>122 W. Taylor</u> | | | | | | | | | | Attn: | | | | | | | | | |
| City: <u>Hobbs</u> | | | | | | | | | | State: <u>NM</u> Zip: <u>88240</u> | | | | | | | | | |
| Phone #: <u>393-9174</u> | | | | | | | | | | Fax #: <u>397-1471</u> | | | | | | | | | |
| Project #: | | | | | | | | | | Project Owner: | | | | | | | | | |
| Project Name: <u>BD Jet F-26 Vent</u> | | | | | | | | | | City: | | | | | | | | | |
| Project Location: <u>BD Jet F-26 Vent</u> | | | | | | | | | | State: | | | | | | | | | |
| Sampler Name: <u>Bruce Baker</u> | | | | | | | | | | Phone #: | | | | | | | | | |
| Fax #: | | | | | | | | | | Project #: | | | | | | | | | |
| Lab I.D. | FOR LAB USE ONLY | Sample I.D. | # CONTAINERS | MATRIX | | | | PRESERV | | SAMPLING | | DATE | TIME | CI | BTEX | WPH 8015 M | BTEX | LAB | BTEX ONLY |
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER | ACID/BASE | ICE / COOL | | | | | | | | |
| H14163-1 | | 5pt. Bttm Comp @ 12' | 1 | | | | | | | | | 1-25-08 | 9:40am | | | | | | |
| -2 | | 5pt. Bttm Sample Ph. 1 | 1 | | | | | | | | | 1-25-08 | 9:20am | | | | | | |
| -3 | | 5pt. Bttm Sample Ph. 2 | 1 | | | | | | | | | 1-25-08 | 9:25am | | | | | | |
| -4 | | 5pt. Bttm Sample Ph. 3 | 1 | | | | | | | | | 1-25-08 | 9:30am | | | | | | |
| -5 | | 5pt. Bttm Sample Ph. 4 | 1 | | | | | | | | | 1-25-08 | 9:33am | | | | | | |
| -6 | | 5pt. Bttm Sample Ph. 5 | 1 | | | | | | | | | 1-25-08 | 9:37am | | | | | | |
| -7 | | 4 Wall Comp | 1 | | | | | | | | | 1-25-08 | 10:00am | | | | | | |
| -8 | | Blended Backfill | 1 | | | | | | | | | 1-25-08 | 12:47pm | | | | | | |

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| | | | | | |
|---|---|---------------------------------|----------------------|--------------------|--------------------------------|
| Relinquished By: <u>Bruce Baker</u> | Date: <u>1-25-08</u> | Received By: <u>[Signature]</u> | Date: <u>1-25-08</u> | Time: <u>4:15p</u> | Time: <u>4:15p</u> |
| Relinquished By: | Date: | Received By: | Date: | Time: | Time: |
| Delivered By: (Circle One) Sampler: <u>UPS</u> - Bus - Other: | Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | Checked By: <u>[Signature]</u> |
| REMARKS: Email Results to <u>b.baker@rice-swd.com</u> Acc to <u>ipurvis@rice-swd.com</u> | | | | | |

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

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240

PHONE: (505) 393-9174 FAX: (505) 397-1471

PID METER CALIBRATION & FIELD REPORT FORM

COPY

| | |
|-------|-------------------------------------|
| CK. | <input checked="" type="checkbox"/> |
| MODEL | |
| NO. | |

| | |
|-----------------|-----------------------|
| MODEL: PGM 7600 | SERIAL NO: 110-013676 |
| MODEL: PGM 7600 | SERIAL NO: 110-013744 |
| MODEL: PGM 7600 | SERIAL NO: 110-12383 |
| MODEL: PGM 7600 | SERIAL NO: 110-012920 |

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

| | |
|---------------------|--------------------------------|
| LOT NO: 07-3353 | EXPIRATION DATE: 5/16/09 |
| FILL DATE: 11-16-07 | METER READING ACCURACY: 101ppm |

ACCURACY : +/- 2%

| SYSTEM | JUNCTION | UNIT | SECTION | TOWN SHIP | RANGE |
|--------|-------------------|------|---------|-----------|-------|
| BD | Jct. F-26 Vent | F | 26 | 215 | 37E |

| SAMPLE ID | PID | SAMPLE ID | PID |
|---------------------|------|----------------------|------|
| 5pt Btm Comp. @ 12' | 544 | 4 Wall Comp. @ 30x15 | 48.9 |
| Sample Pts. | | | |
| 1 st | 19.5 | Blended Backfill | 83.3 |
| 2 nd | 8.7 | | |
| 3 | 304 | | |
| 4 | 72.1 | | |
| 5 | 28.1 | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

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

SIGNATURE:

Bruce Baker

DATE:

1-25-08

2008 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: BD
Site: F-26 vent

Date: 1/25/2008
Sampler: Bruce Baker

Laboratory: Cardinal
Laboratories

| Location | Component | PID reading (ppm) | FIELD COMPOSITE (mg/kg) | | | |
|-------------------------------------|-----------|----------------------|-------------------------|---------|---------------|---------------|
| | | | Benzene | Toluene | Ethyl Benzene | Total Xylenes |
| bottom composite at 12 ft BGS | 1 | 19.5 | <0.020 | 0.126 | 0.706 | 2.17 |
| | 2 | 8.7 | | | | |
| | 3 | 304.0 | | | | |
| | 4 | 72.1 | | | | |
| | 5 | 28.1 | | | | |
| | | | LAB COMPOSITE (mg/kg) | | | |
| | | | <0.020 | 0.139 | 0.753 | 2.17 |

Field PID tests <100 ppm are considered final for BTEX. If PID is >100 ppm, the components of the BTEX composite sample will be collected individually and will be composited under laboratory conditions to prevent excessive volatilization. A 15-box, 30-sample study will be made to compare field-compositing with lab-compositing BTEX samples. Composite components are collected in a skewed 'W' pattern.

Revised Junction Box Upgrade Work Plan (July 16, 2003)

CHLORIDE CONCENTRATION CURVE

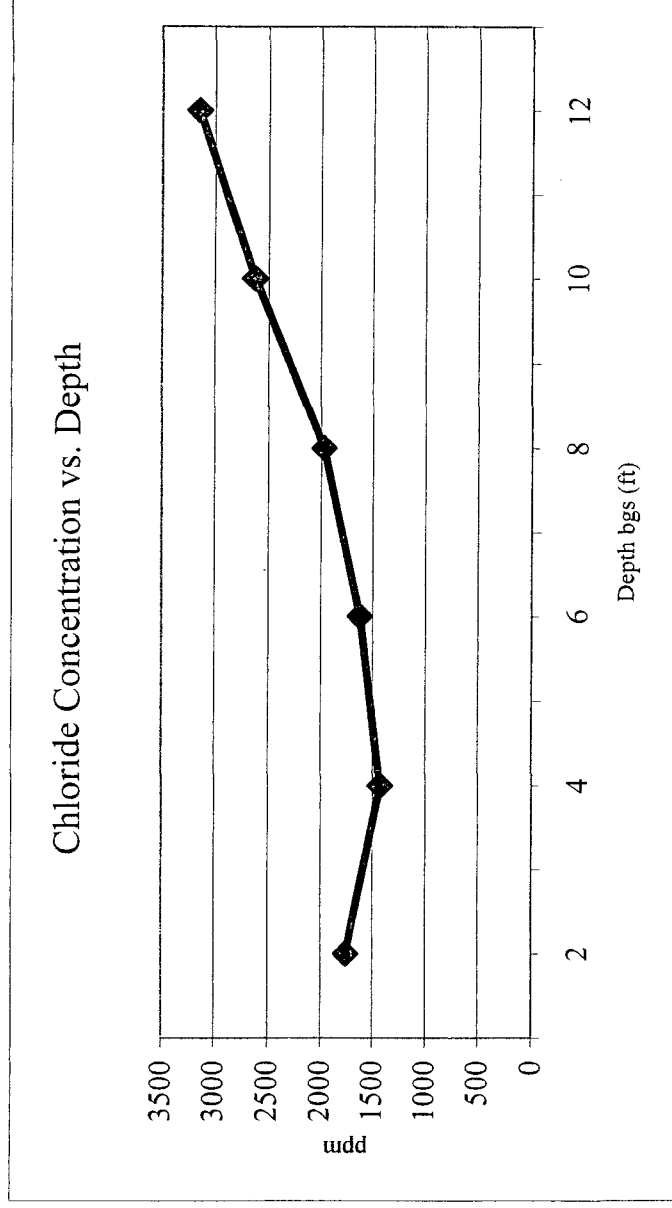
RICE Operating Company

BD F-26 vent

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

Backhoe samples at 15 ft west of junction (source)

| Depth bgs (ft) | [Cl] ppm |
|----------------|----------|
| 2 | 1756 |
| 4 | 1431 |
| 6 | 1625 |
| 8 | 1972 |
| 10 | 2628 |
| 12 | 3149 |



Groundwater = 50 ft