

1R - 427-256

REPORTS

DATE:

1-22-09

EME Jct F-9 Boot
(2 boxes)

1R427-256

RECEIVED
MAR 25 2009
Environmental Bureau
Oil Conservation Division

CLOSURE

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

| SWD SYSTEM | JUNCTION | UNIT | SECTION | TOWNSHIP | RANGE | COUNTY | BOX DIMENSIONS - FEET | | |
|---------------------------------|----------------------------|------|---------|----------|-------|--------|-----------------------|----------|----------|
| | | | | | | | Length 10' | Width 4' | Depth 3' |
| Eunice Monument Eumont (EME) | Jct. F-9 boot (2 boxes) | F | 9 | 20S | 37E | Lea | moved 130 ft north | | |

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER WHV Laughlin Estates OTHER _____

Depth to Groundwater 30 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 8/18/2008 Date Completed 9/19/2008 OCD Witness no

Soil Excavated 178 cubic yards Excavation Length 20 Width 20 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 8/29/2008 Sample Depth 12 ft

Procure 5-point composite sample of bottom and 4-point composite sample of 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 (field) ppm | GRO mg/kg | DRO mg/kg | Chloride mg/kg |
|-----------------|-----------------|-----------|-----------|----------------|
| 4-WALL COMP. | 1.3 | <10.0 | <10.0 | 16 |
| BOTTOM COMP. | 5.2 | <10.0 | <10.0 | 64 |
| BACKFILL COMP. | 2.9 | <10.0 | <10.0 | 16 |

| LOCATION | DEPTH | mg/kg |
|---|-------|-------|
| 4-wall comp. | n/a | 141 |
| bottom comp. | 12' | 298 |
| blended backfill | n/a | 147 |
| vertical delineation trench at 10 ft south of the junction (source) | 1' | 165 |
| | 2' | 171 |
| | 3' | 231 |
| | 4' | 151 |
| | 5' | 200 |
| | 6' | 180 |
| | 7' | 273 |
| | 8' | 197 |
| | 9' | 234 |
| | 10' | 140 |
| 11' | 245 | |
| 12' | 197 | |

General Description of Remedial Action: These junction boxes were addressed during the pipeline replacement/upgrade program. A new, watertight junction box was built 130 ft north of the former. After the former boxes were removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 20x20x12-ft-deep excavation. Chloride field tests were performed on each sample, yielding generally low concentrations. Organic vapors were measured using a PID, yielding low concentrations. Representative composite samples were sent to a commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations. The excavated soil was blended on-site, returned to the excavation to ground surface, and contoured to the surrounding area. On 9/19/2008, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

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.

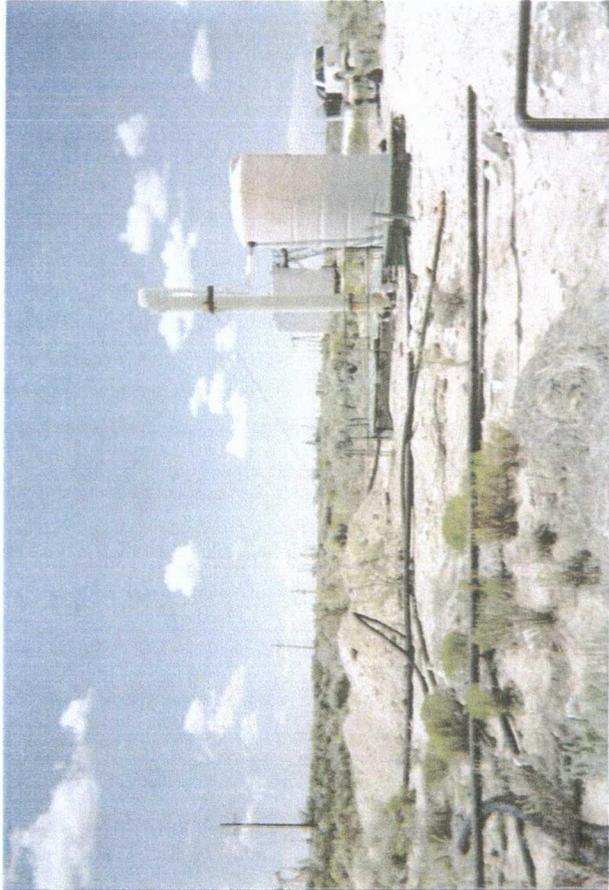
REPORT ASSEMBLED BY Katie Jones INITIAL KJ COMPANY RICE OPERATING COMPANY

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

DATE 1-22-09 TITLE PROJECT LEADER

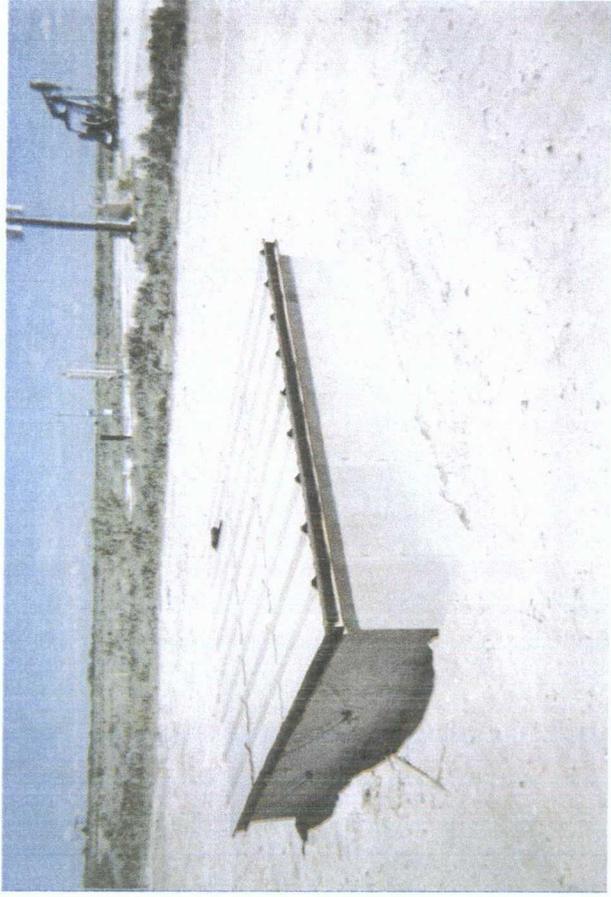
EME Jct. F-9 boot

Unit F, Section 9, T20S, R37E



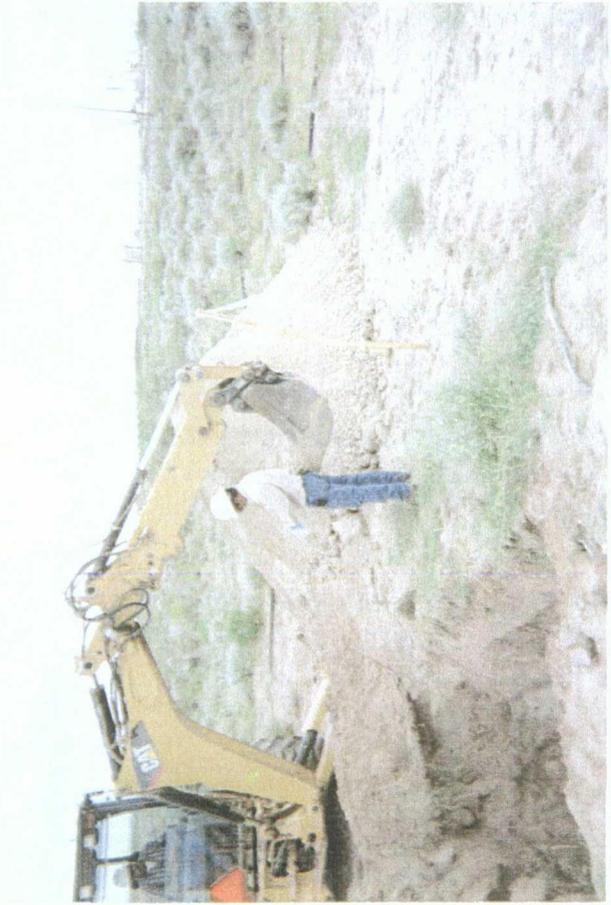
undisturbed junction boxes

8/06/2007



new, watertight junction box
130 ft north of the former

9/24/2007



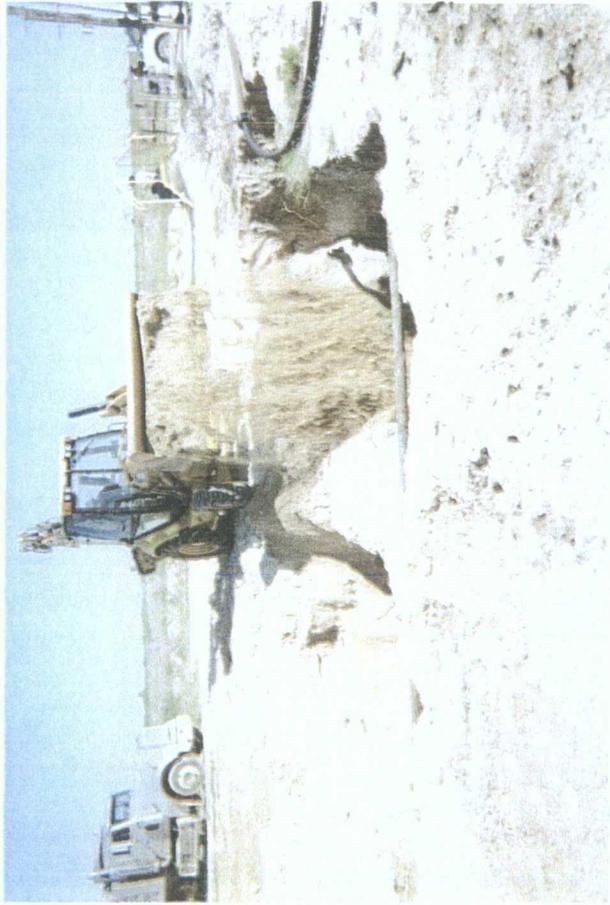
collecting a soil sample

8/18/2008



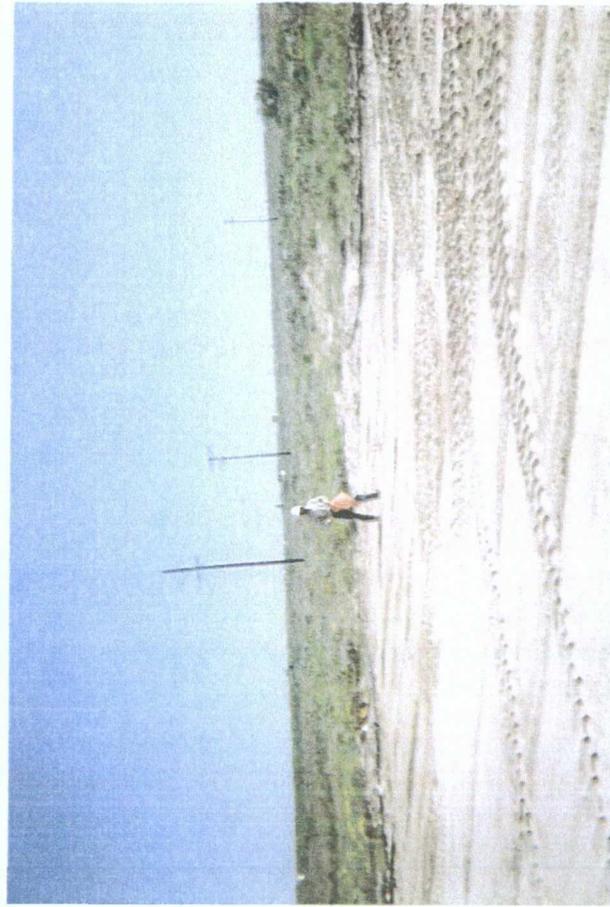
blending excavated soil

8/27/2008



backfilling the 20x20x12-ft excavation

9/19/2008



seeding backfilled site

9/19/2008



ANALYTICAL RESULTS FOR
 RICE OPERATING COMPANY
 ATTN: JORDAN WOODFIN
 122 W. TAYLOR
 HOBBS, NM 88240

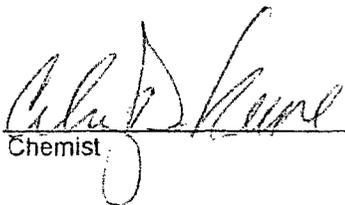
COPY

Receiving Date: 08/29/08
 Reporting Date: 09/03/08
 Project Number: NOT GIVEN
 Project Name: EME JCT F-9 BOOT
 Project Location: EME JCT F-9 BOOT

Sampling Date: 08/29/08
 Sample Type: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: CK
 Analyzed By: AB/HM

| LAB NUMBER SAMPLE ID | GRO | DRO | CI* |
|-----------------------------|---|---|----------|
| | (C ₅ -C ₁₀) (mg/kg) | (>C ₁₀ -C ₂₈) (mg/kg) | |
| ANALYSIS DATE | 09/02/08 | 09/02/08 | 09/02/08 |
| H15843-1 BLENDED BACKFILL | <10.0 | <10.0 | 16 |
| H15843-2 4 WALL COMPOSITE | <10.0 | <10.0 | 16 |
| H15843-3 5PT BTM COMP@12FT | <10.0 | <10.0 | 64 |
| Quality Control | 598 | 566 | 500 |
| True Value QC | 500 | 500 | 500 |
| % Recovery | 120 | 113 | 100 |
| Relative Percent Difference | 6.8 | 1.0 | <0.1 |

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-C1B
 *Analyses performed on 1:4 w:v aqueous extracts.


 Chemist


 Date

H15843TCL RICE

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL 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: *Rice Operating*

Project Manager: *Jordan Woodfin*

Address: *122 W Taylor*

City: *Albany* **State:** *NM* **Zip:** *88240*

Phone #: *(575) 393-9194* **Fax #:** *(575) 397-1471*

Project #: _____ **Project Owner:** _____

Project Name: *EME JCT F-9 BOOT*

Project Location: *EME JCT F-9 BOOT*

Sampler Name: _____

| Lab I.D. | Sample I.D. | FOR LAB USE ONLY | | | DATE | TIME | PRESERV | SAMPLING |
|----------|-------------------|------------------|-----------|---------|----------|------|----------|----------|
| | | MATRIX | ACID/BASE | OTHER | | | | |
| 1415843- | | | | | | | | |
| 1 | Blended Baofell | SOIL | ✓ | 8-29-08 | 10:01 AM | ✓ | Chloride | |
| 2 | 4 wall composite | WASTEWATER | ✓ | 8-29-08 | 9:53 AM | ✓ | ✓ | |
| 3 | 6pt Btm Composite | GROUNDWATER | ✓ | 8-29-08 | 9:21 AM | ✓ | ✓ | |

BILL TO

ANALYSIS REQUEST

COPY

TEH BOISM

Relinquished By: *Jordan Woodfin* **Date:** *8-29-08* **Time:** _____

Received By: *Wendy Wood* **Date:** *8/29/08* **Time:** *4:20*

Delivered By: (Circle One) _____

Sampler: UPS - Bus - Other: _____

Phone Result: Yes No **Add'l Phone #:** _____

Fax Result: Yes No **Add'l Fax #:** _____

REMARKS: *EMAIL RESULTS TO BBAKER@RICESWD.COM CC: SPURVIS@RICESWD.COM*

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† 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 | <input type="checkbox"/> |
| NO. | <input type="checkbox"/> |

| | |
|-----------------|-----------------------|
| MODEL: PGM 7300 | SERIAL NO: 590-000183 |
| MODEL: PGM 7600 | SERIAL NO: 110-013744 |
| MODEL: PGM 7600 | SERIAL NO: 110-12383 |
| MODEL: PGM 7600 | SERIAL NO: 110-023920 |

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

| | |
|---------------------|-----------------------------|
| LOT NO: 07-3353 | EXPIRATION DATE: 5-16-07 |
| FILL DATE: 11-16-07 | METER READING ACCURACY: 100 |

ACCURACY : +/- 2%

| SYSTEM | JUNCTION | UNIT | SECTION | TOWN SHIP | RANGE |
|--------|----------|------|---------|-----------|-------|
| EME | F-9 Boot | F | 9 | 20 S | 37E |

| SAMPLE ID | PID | SAMPLE ID | PID |
|-------------------|-----|-----------|-----|
| BLENDING BACKFILL | 2.9 | | |
| 5pt Btm Comp | 5.2 | | |
| 4 Wall Comp | 1.3 | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

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

SIGNATURE: 

DATE: 8-29-08

CHLORIDE CONCENTRATION CURVE

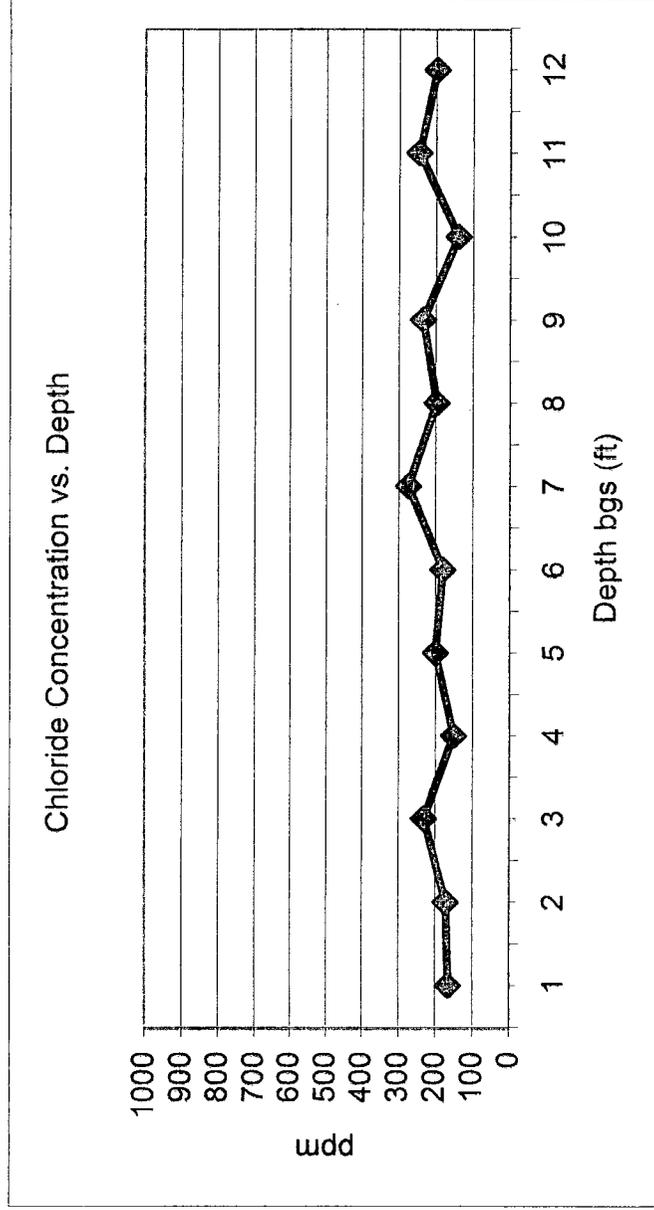
RICE Operating Company

EME Jct. F-9 boot (2 boxes)

Unit 'F', Sec. 9, T20S, R37E

Backhoe samples at 10 ft south of the junction (source)

| Depth bgs (ft) | [Cl] ppm |
|----------------|----------|
| 1 | 165 |
| 2 | 171 |
| 3 | 231 |
| 4 | 151 |
| 5 | 200 |
| 6 | 180 |
| 7 | 273 |
| 8 | 197 |
| 9 | 234 |
| 10 | 140 |
| 11 | 245 |
| 12 | 197 |



Groundwater = 30 ft