

1R - 427-238

REPORTS

DATE:

7-2-08

EME D-16 Vent

1R427-238

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 | Width | Depth |
| Eunice Monument Eumont (EME) | D-16 vent | D | 16 | 20S | 37E | Lea | moved 45 ft. north | | |

LAND TYPE: BLM _____ STATE X FEE LANDOWNER _____ OTHER _____

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

Date Started 8/6/2007 Date Completed 8/21/2007 OCD Witness no

Soil Excavated n/a cubic yards Excavation Length n/a Width n/a Depth n/a feet

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

FINAL ANALYTICAL RESULTS: Sample Date 8/6/2007 Sample Depth 6 ft.

TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

| Sample Location | PID (field) ppm | GRO mg/kg | DRO mg/kg | Chloride mg/kg |
|-----------------|-----------------|-----------|-----------|----------------|
| SOURCE 6' GRAB | 0.0 | <10.0 | <10.0 | <16 |

General Description of Remedial Action: This junction box site was addressed under the pipeline replacement/upgrade program. A new, water-tight junction box was built 45 feet north. An investigation was conducted using a hand auger to collect soil samples at regular intervals. Field chloride test performed on each sample yielded low concentrations of chloride similar to that of the background. Organic vapors were measured using a PID, which also yielded low concentrations. Commercial laboratory analysis confirmed that the samples were low in chloride and organics. The site was then backfilled and seeded with a blend of native vegetation and is expected to return to productive capacity at a normal rate.

CHLORIDE FIELD TESTS

| LOCATION | DEPTH | mg/kg |
|------------------------------------|-------|-------|
| background | 6" | 145 |
| hand auger below junction (source) | 3' | 251 |
| | 4' | 138 |
| | 5' | 143 |
| | 6' | 89 |

enclosures: photos, lab results, PID field screening, chloride graph

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 7-2-08 TITLE PROJECT LEADER

EME D-16 vent

Unit D, Section 16, T20S, R37E



undisturbed junction box

2/2/2006



backfilling former box hole

8/21/2007



former site (fenced) with old box removed; new box in background 8/6/2007



seeding soil spread on site

8/21/2007



PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
 RICE OPERATING CO.
 ATTN: ROY R. RASCON
 122 W. TAYLOR
 HOBBS, NM 88240
 FAX TO: (505) 397-1471

COPY

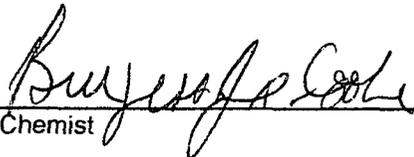
Receiving Date: 08/06/07
 Reporting Date: 08/08/07
 Project Number: NOT GIVEN
 Project Name: EME VENT D-16
 Project Location: EME VENT D-16

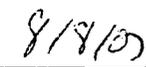
Sampling Date: 08/06/07
 Sample Type: SOIL
 Sample Condition: INTACT
 Sample Received By: NF
 Analyzed By: BC/HM

| LAB NUMBER | SAMPLE ID | GRO (C ₆ -C ₁₀) (mg/Kg) | DRO (>C ₁₀ -C ₂₈) (mg/Kg) | Cl* (mg/Kg) |
|-----------------------------|-----------|--|--|----------------|
| ANALYSIS DATE | | 08/07/07 | 08/07/07 | 08/07/07 |
| H13039-1 | 6' SOURCE | <10.0 | <10.0 | <16 |
| | | | | |
| | | | | |
| Quality Control | | 771 | 782 | 500 |
| True Value QC | | 800 | 800 | 500 |
| % Recovery | | 96.4 | 97.8 | 100 |
| Relative Percent Difference | | 0.8 | 1.8 | <0.1 |

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB

*Analysis performed on a 1:4 w:v aqueous extract.


 Chemist


 Date

H13039 RICE

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CARDINAL LABORATORIES, INC.

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2111 Beechwood, Aulinea, TX 79603 101 East Marland, Hobbs, NM 08240
(325) 673-7001 Fax (325) 673-7020 (505) 393-2326 Fax (605) 393-2478

Company Name: Cardinal Laboratories, Inc. P.O. #: _____

Project Manager: Paul Patterson Company: _____

Address: 101 East Marland City: _____

State: NM Zip: 88240

Phone #: 505-393-2326 Fax #: 505-393-2478

Project #: _____ Project Owner: _____

Project Name: EME Vent D-16 State: _____ Zip: _____

Project Location: EME Vent D-16 Phone #: _____

Sampler Name: Bruce Baker Fax #: _____

FOR USE ONLY

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | PRESERV. | | SAMPLING | | ANALYSIS REQUEST | | | | |
|----------|-------------|-------------------|--------------|-------------|------------|-------------------------------------|-----|--------|---------|------------|------------|----------|---------|------------------|-------------------------------------|-------------------------------------|-----------|-----|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | ICE / COOL | OTHER : | DATE | | TIME | | | |
| H13039-1 | 6' Source | G | 1 | | | <input checked="" type="checkbox"/> | | | | | | | 8-06-07 | 11:30 AM | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | TPH 8015M | CI- |

DATE RECEIVED: 8-6-07 TIME: 4:30 PM

RECEIVED BY: Yell Fuller

DELIVERED BY: (Circle One) Sample UPS Bus Other: _____

Sample Condition: Intact Damaged

Checked By: YF

REMARKS: Phone Result: Yes No
Fax Result: Yes No
Email bbaker@riceSWD.com \$cc
to J Purvis @ riceSWD.com

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Cardinal cannot accept verbal changes. Please fax written changes to (325) 673-7020.

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 type="checkbox"/> | MODEL: PGM 761S | SERIAL NO: 104412 |
| MODEL | <input checked="" type="checkbox"/> | MODEL: PGM 7600 | SERIAL NO: 110-013744 |
| NO. | <input type="checkbox"/> | MODEL: PGM 7600 | SERIAL NO: 110-12383 |
| | <input type="checkbox"/> | MODEL: PGM 7600 | SERIAL NO: 110-013676 |

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

| | |
|---------------------|--------------------------------|
| LOT NO: 06-3079 | EXPIRATION DATE: 5/03/08 |
| FILL DATE: 11/06/06 | METER READING ACCURACY: 101ppm |

ACCURACY : +/- 2%

| SYSTEM | JUNCTION | UNIT | SECTION | TOWN SHIP | RANGE |
|--------|--------------|------|---------|-----------|-------|
| EME | Vent D-16 | D | 16 | 205 | 37E |

Source

Background

| Source | | Background | |
|-----------|-----|------------|-----|
| SAMPLE ID | PID | SAMPLE ID | PID |
| 3' | 0 | 6" | 0 |
| 4' | 0 | | |
| 5' | 0 | | |
| 6' | 0 | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

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

SIGNATURE: *Larry Bruce Baker Jr.*

DATE: 8-6-07

CHLORIDE CONCENTRATION CURVE

RICE Operating Company

EME D-16 vent

unit 'D', Sec. 16, T20S, R37E

Hand auger samples at junction (source)

| Depth bgs (ft) | [Cl ⁻] ppm |
|----------------|------------------------|
| 3 | 251 |
| 4 | 138 |
| 5 | 143 |
| 6 | 89 |

Groundwater = 20 ft

