

1R - 425-96

REPORTS

DATE:

3-22-11

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1R425-96

Vacuum Jct. C-27

2010

RECEIVED

APR -1 2011

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

CLOSURE

RICE OPERATING COMPANY  
JUNCTION BOX FINAL REPORT

BOX LOCATION

| SWD SYSTEM | JUNCTION  | UNIT | SECTION | TOWNSHIP | RANGE | COUNTY | BOX DIMENSIONS - FEET |       |       |
|------------|-----------|------|---------|----------|-------|--------|-----------------------|-------|-------|
|            |           |      |         |          |       |        | Length                | Width | Depth |
| Vacuum     | Jct. C-27 | C    | 27      | 17S      | 35E   | Lea    | Eliminated            |       |       |

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

Depth to Groundwater 54' feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 3/19/2010 Date Completed 3/19/2010 OCD Witness No

Soil Excavated 3.3 cubic yards Excavation Length 5 Width 3 Depth 6 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 3/19/2010 Sample Depth 6 ft

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 |
|-----------------|-----------------|-----------|-----------|----------------|
| SOURCE @ 6'     | 1.2             | <10.0     | <10.0     | 16             |

| LOCATION   | DEPTH | mg/kg |
|--|-------|-------|
| background   | 6"    | 146   |
| vertical delineation trench at the junction (source) | 2'    | 149   |
|  | 3'    | 148   |
|  | 4'    | 150   |
|  | 5'    | 150   |
|  | 6'    | 146   |

**General Description of Remedial Action:** This junction box was addressed during the Vacuum SWD System abandonment. After the former junction box was removed an investigation was conducted using a backhoe to collect soil sample at regular intervals creating a 5x3x6-ft deep excavation. Each sample was field tested for chlorides and organic vapors which yielded low concentrations similar to that of the background sample.

The deepest sample, 6 ft BGS, was sent to a commercial laboratory for analysis of chloride and TPH which confirmed low concentrations.

The excavated soil was returned to the excavation to ground surface and contoured to the surrounding area. On 3/03/2011, 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.

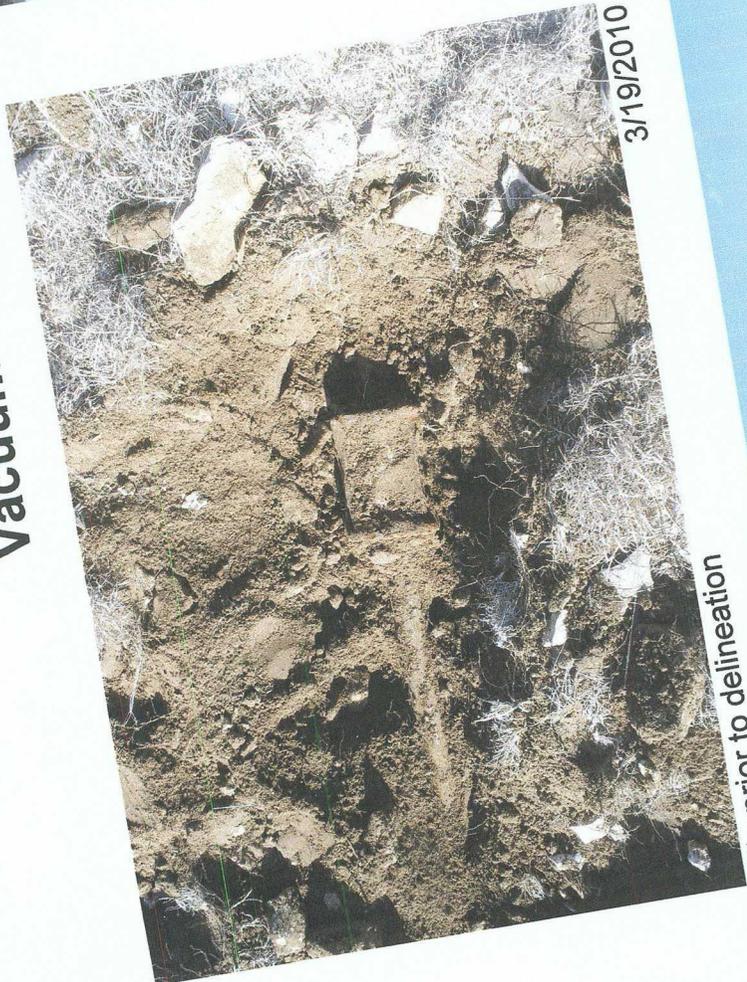
SITE SUPERVISOR Jordan Woodfin SIGNATURE *Jordan Woodfin* COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Zach Conder INITIAL LBB

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE *Larry Bruce Baker Jr.* DATE 3-22-11

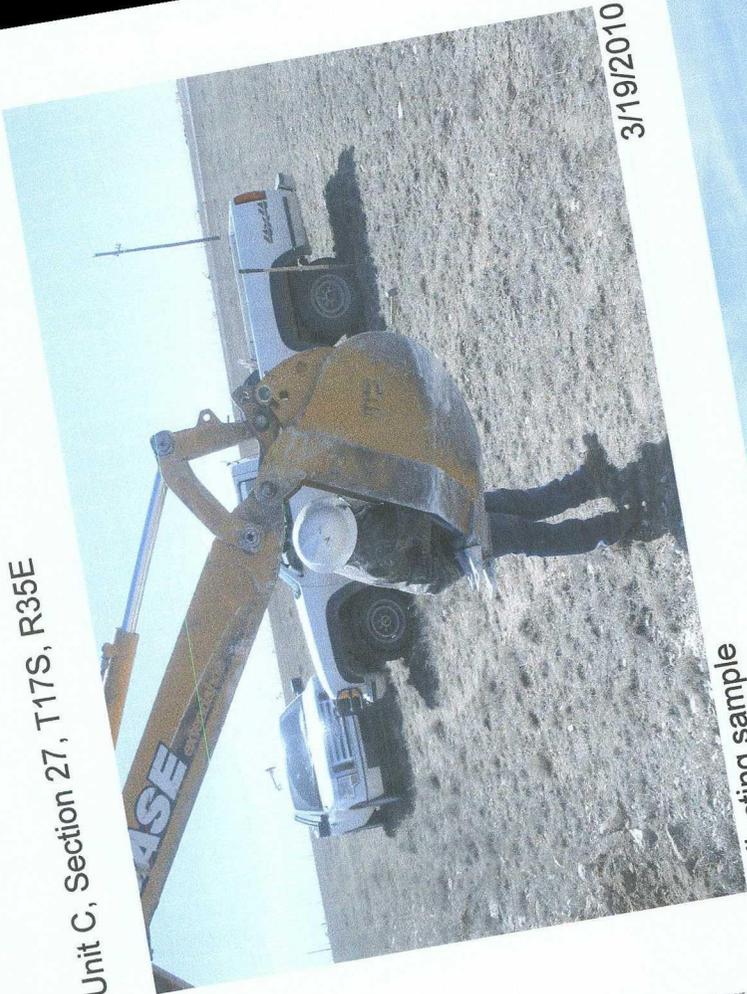
Unit C, Section 27, T17S, R35E

# Vacuum Jct. C-27



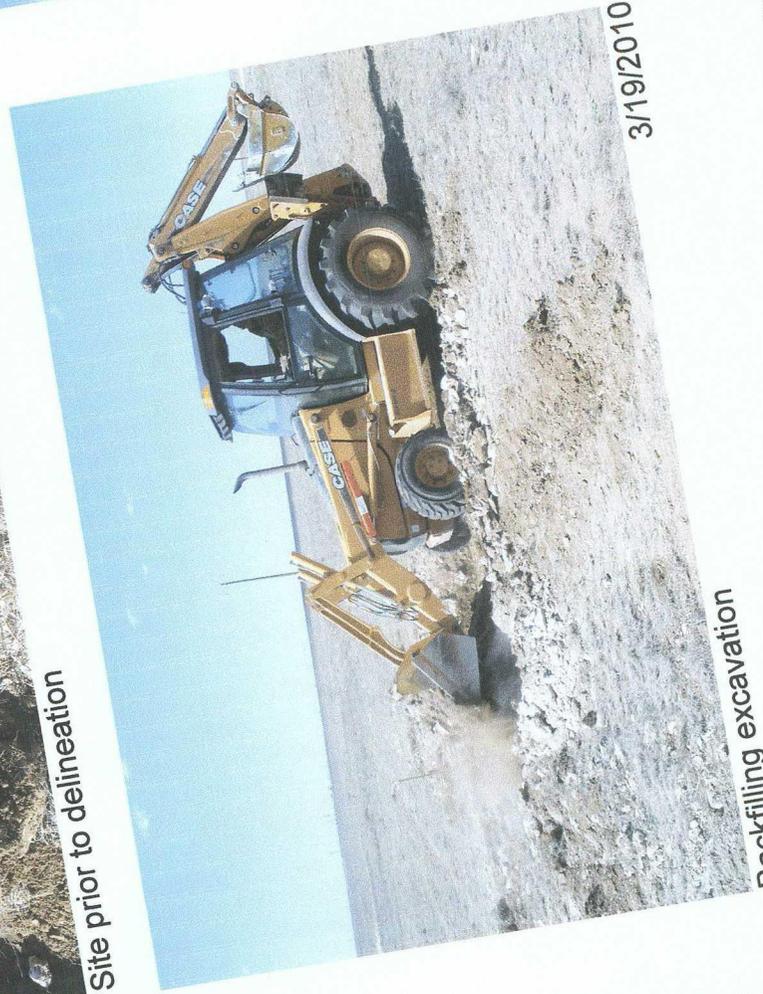
Site prior to delineation

3/19/2010



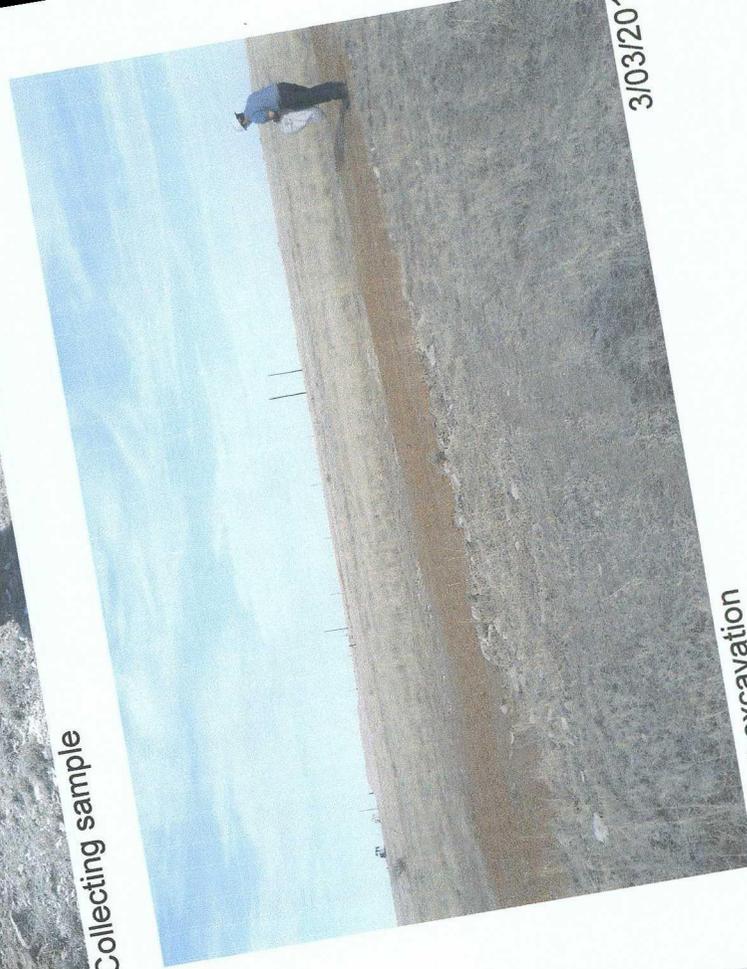
Collecting sample

3/19/2010



Backfilling excavation

3/19/2010



Seeding excavation

3/03/2010



COPY

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

Receiving Date: 03/19/10  
 Reporting Date: 03/23/10  
 Project Number: NOT GIVEN  
 Project Name: VACUUM JCT C-27 (17/35)  
 Project Location: VACUUM JCT C-27 (17/35)

Sampling Date: 03/19/10  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: JH  
 Analyzed By: AB/SJ

| LAB NUMBER | SAMPLE ID | GRO   | DRO   | CI* |
|------------|-----------|---|---|-----|
|            |           | (C <sub>6</sub> -C <sub>10</sub> )<br>(mg/kg) | (>C <sub>10</sub> -C <sub>28</sub> )<br>(mg/kg) |     |

| ANALYSIS DATE                     | 03/22/10 | 03/22/10 | 03/22/10 |
|-----------------------------------|----------|----------|----------|
| H19496-1** SOURCE BTM GRAB @ 6FT. | <10.0    | <10.0    | 16       |
|                                   |          |          |          |
|                                   |          |          |          |
|                                   |          |          |          |
|                                   |          |          |          |
|                                   |          |          |          |
|                                   |          |          |          |
|                                   |          |          |          |
| Quality Control                   | 526      | 560      | 490      |
| True Value QC                     | 500      | 500      | 500      |
| % Recovery                        | 105      | 112      | 98.0     |
| Relative Percent Difference       | 0.6      | 4.7      | 2.1      |

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

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

Reported on wet weight.

\*\*One or more TPH surrogates outside historical limits due to matrix interference.

*Clay Keene*  
 Chemist

03/24/10  
 Date

H19496 TCL RICE



# RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240  
 PHONE: (575) 393-9174 FAX: (575) 397-1471  
 PID METER CALIBRATION & FIELD REPORT FORM

# COPY

Check Model Number:

|   |
|---|
|   |
| ✓ |

Model: PGM 7300 Serial No: 590-000183  
 Model: PGM 7300 Serial No: 590-000508  
 Model: PGM 7300 Serial No: 590-000504

|  |
|--|
|  |
|  |
|  |

Model: PGM 7600 Serial No: 110-023920  
 Model: PGM 7600 Serial No: 110-013744  
 Model: PGM 7600 Serial No: 110-013676

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

|                   |                             |
|-------------------|-----------------------------|
| LOT NO: 924503    | EXPIRATION DATE: 7-5-12     |
| FILL DATE: 7-1-09 | METER READING ACCURACY: 100 |

ACCURACY : +/- 2%

| SYSTEM | JUNCTION | UNIT | SECTION | TOWN SHIP | RANGE |
|--------|----------|------|---------|-----------|-------|
| Vacuum | C-27     | C    | 27      | 175       | 35E   |

| SAMPLE ID | PID | SAMPLE ID  | PID |
|-----------|-----|------------|-----|
| Source    |     | Background |     |
| 2'        | 2.6 | 6"         | 0   |
| 3'        | 1.4 |            |     |
| 4'        | 1.6 |            |     |
| 5'        | 1.8 |            |     |
| 6'        | 1.2 |            |     |
|           |     |            |     |
|           |     |            |     |
|           |     |            |     |
|           |     |            |     |
|           |     |            |     |
|           |     |            |     |
|           |     |            |     |
|           |     |            |     |

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

SIGNATURE: *Jordan Wolf*

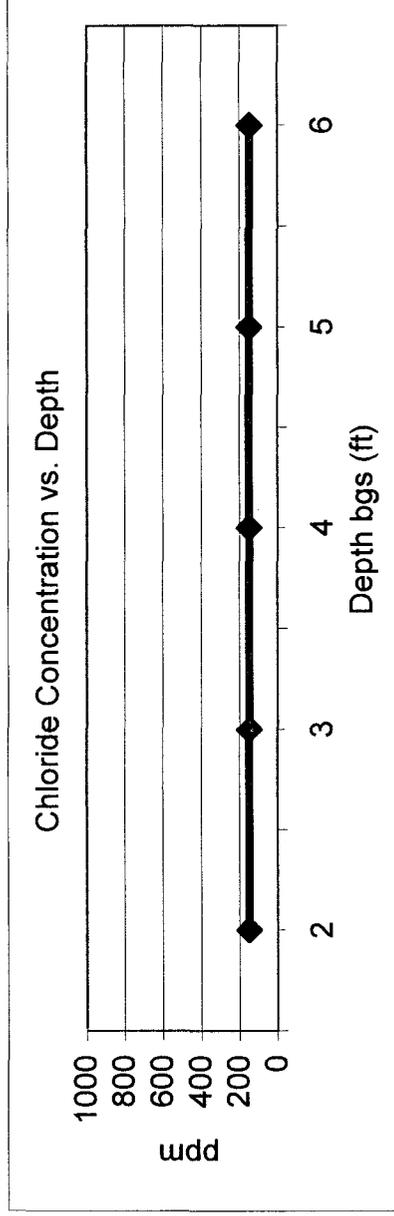
DATE: 3-19-12

# Vacuum Jct. C-27

Unit 'C', Sec. 27, T17S, R35E

Backhoe samples at the junction (source)

| Depth bgs (ft) | [Cl] ppm |
|----------------|----------|
| 2              | 149      |
| 3              | 148      |
| 4              | 150      |
| 5              | 150      |
| 6              | 146      |



Groundwater = 54 ft