

1R - 423-19

REPORTS

DATE:

3-25-10

1R423-19

**Justis Jet I-16
2009**

RECEIVED

APR - 6 2010
Environmental Bureau
Oil Conservation Division

CLOSURE

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

RECEIVED

APR - 6 2010

Environmental Bureau
Oil Conservation Division

BOX LOCATION

| SWD SYSTEM | JUNCTION | UNIT | SECTION | TOWNSHIP | RANGE | COUNTY | BOX DIMENSIONS - FEET | | |
|------------|-----------|------|---------|----------|-------|--------|-----------------------|-------|-------|
| Justis | Jct. I-16 | I | 16 | 24S | 37E | Lea | Length | Width | Depth |
| | | | | | | | eliminated | | |

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

Depth to Groundwater 84 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 9/9/2009 Date Completed 9/30/2009 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 9/30/2009 Sample Depth 12 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 12' GRAB | 5.0 | <10.0 | 17.6 | 144 |

| LOCATION | DEPTH | mg/kg |
|---|-------|-------|
| background | 6" | 111 |
| vertical delineation at the junction (source) | 3' | 3,252 |
| | 4' | 2,678 |
| | 5' | 2,805 |
| | 6' | 2,939 |
| | 7' | 2,399 |
| | 8' | 1,749 |
| | 9' | 1,608 |
| | 10' | 867 |
| | 11' | 651 |
| | 12' | 625 |

General Description of Remedial Action: This junction was eliminated during the pipeline replacement/upgrade program. An investigation was conducted at the former junction box site using an air-rotary drilling rig to collect soil samples at regular intervals. Soils at this location are made up of caliche and sand stone which prevented a backhoe delineation. Chloride field tests were performed on each sample which yielded elevated concentrations that decreased to low concentrations. Organic vapors, measured using a PID, yielded low concentrations. The deepest sample, 12 ft BGS, was sent to a commercial laboratory for analysis of chloride and TPH which confirmed low concentration of each. The entire bore hole was plugged with bentonite to the ground surface. Clean, imported soil was used to contour the site to the surrounding area. On 9/30/2009, 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 Darnell Mitchell SIGNATURE Darnell Mitchell COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 3-25-10

Justis Jct. I-16

Unit I, Section 16, T24S, R37E



drilling the soil bore at the former junction box site 9/30/2009



plugging the soil bore with bentonite 9/30/2009



contouring the site with clean, imported soil 9/30/2009



seeding the backfilled site 9/30/2009



CARDINAL LABORATORIES

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

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

Receiving Date: 09/30/09
Reporting Date: 10/05/09
Project Owner: NOT GIVEN
Project Name: JUSTIS JCT I-16
Project Location: JUSTIS JCT I-16

Sampling Date: 09/30/09
Sample Type: SOM
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/HM

COPY

| LAB NUMBER | SAMPLE ID | GRO | DRO | CI* |
|------------|-----------|---|---------|---------|
| | | (C ₆ -C ₁₀) (>C ₁₀ -C ₂₃) | (mg/kg) | (mg/kg) |

| ANALYSIS DATE | 10/01/09 | 10/01/09 | 10/01/09 |
|-----------------------------|----------|----------|----------|
| H18371-1 INITIAL @ 12' | <10.0 | 17.6 | 144 |
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| Quality Control | 508 | 517 | 500 |
| True Value QC | 500 | 500 | 500 |
| % Recovery | 102 | 103 | 100 |
| Relative Percent Difference | <0.1 | <0.1 | <0.1 |

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

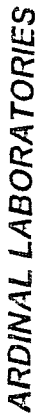
*Analysis performed on a 1:4 w/v aqueous extract. Reported on wet weight.

**DRO surrogate outside historical limits due to matrix interference.

Chemist: _____

Date: _____

H18371 TOL RICE



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 Company Project Manager: Hack Conder Address: 122 West Taylor City: Hobbs State: NM Zip: 88240 Phone #: 393-9174 Fax #: 397-1471 Project #: Project Name: Jura jet I-16 Project Location: Jura jet I-16 Sampler Name: Lara Weinheimer | | P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #: | | BILL TO | | ANALYSIS REQUEST | |
| Lab I.D. <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> Sample I.D. </div> | | MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: | | PRESERV ACID/BASE ICE / COOL OTHER: | | SAMPLING DATE TIME | |
| | | # CONTAINERS (G) RAB OR (C) OMP | | Chlorides BTEX Texas TPH | | | |
| Relinquished By: | | Received By: | | Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: _____ Add'l Fax #: _____ | | REMARKS: email results | |
| Relinquished By: | | Received By: | | Date: _____ Time: _____ Date: _____ Time: _____ | | Checked By: _____ (Initials) | |
| Delivered By: (Circle One) | | Sample Condition Cool: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Delivered By: (Circle One) | | Sample Condition Cool: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Sampler - UPS - Bus - Other: | | Relinquished By: | | Received By: | | Date: _____ Time: _____ Date: _____ Time: _____ | |

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

NEED SAMPLES BACK, PLEASE

RICE OPERATING COMPANY

122 West Taylor ~ Hobbs, NM 88240

PHONE: (575) 393-9174 FAX: (575) 397-1471

PID METER CALIBRATION & FIELD REPORT FORM

CK
MODEL
NO.

| |
|---|
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| ✓ |
| |
| |

MODEL: PGM 7300

SERIAL NO: 590-000183

MODEL: PGM 7300

SERIAL NO: 590-000508 J

MODEL: PGM 7600

SERIAL NO: 110-12383

MODEL: PGM 7600

SERIAL NO: 110-02920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

| | |
|-------------------|-------------------------------|
| LOT NO: 924908 | EXPIRATION DATE: 7-19-2012 |
| FILL DATE: 3-9-09 | METER READING ACCURACY: 100.5 |

ACCURACY: +/- 2%

| SYSTEM | SITE | UNIT | SECTION | TOWNSHIP | RANGE |
|--------|----------|------|---------|----------|--------|
| Justis | set I-16 | I | 16 | T 24 S | R 37 E |

SAMPLE ID: soil hole #1 / Initial

| DEPTH | PID |
|-------|------|
| 3' | 92.8 |
| 4' | 49.0 |
| 5' | 10.4 |
| 6' | 8.1 |
| 7' | 3.7 |

| DEPTH | PID |
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| DEPTH | PID |
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| DEPTH | PID |
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| DEPTH | PID |
|-------|------|
| 8' | 10.0 |
| 9' | 11.0 |
| 10' | 8.7 |
| 11' | 5.7 |
| 12' | 5.0 |

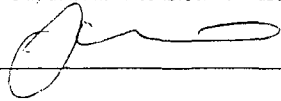
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| DEPTH | PID |
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I verify that I have calibrated the above instrument in accordance to the manufacture's operation manual

Signature



Date

9-30-09

SITE MAP

N ↑

CHLORIDE CONCENTRATION CURVE

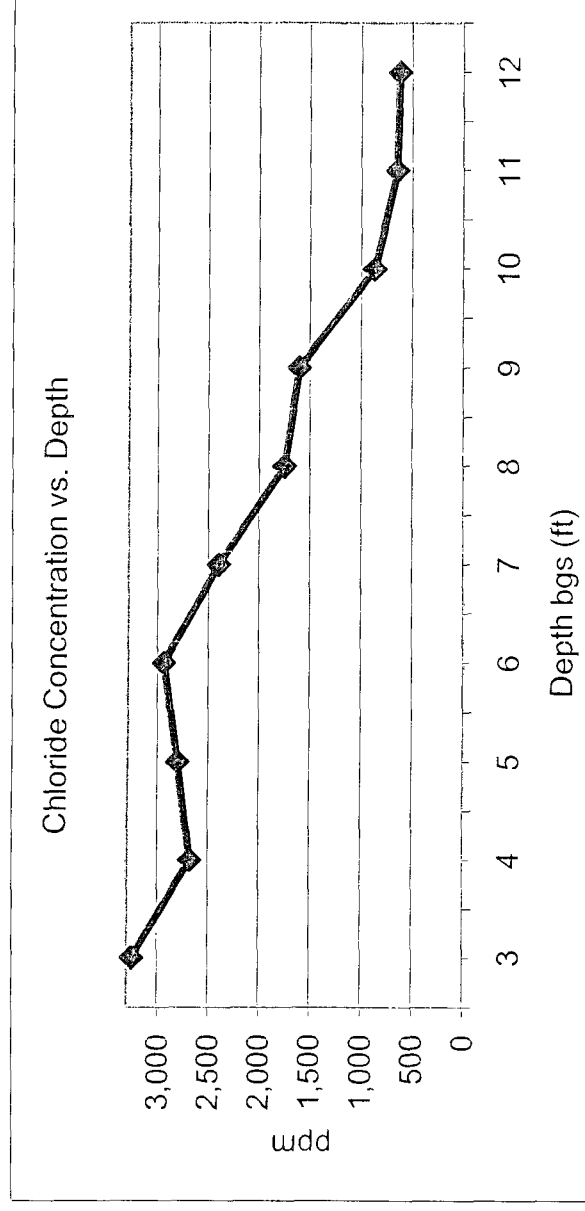
RICE Operating Company

Justis Jct. I-16

Unit 'I', Sec. 16, T24S, R37E

Vertical Delineation samples at the junction (source)

| Depth bgs (ft) | Cl ppm |
|----------------|--------|
| 3 | 3,252 |
| 4 | 2,678 |
| 5 | 2,805 |
| 6 | 2,939 |
| 7 | 2,399 |
| 8 | 1,749 |
| 9 | 1,608 |
| 10 | 867 |
| 11 | 651 |
| 12 | 625 |



Groundwater = 84 ft