

1R - 426-232

REPORTS

DATE:

12-9-09

**BD P-34 EOL
2009**

RECEIVED

APR - 6 2010

Environmental Bureau
Oil Conservation Division

1R426-232

CLOSURE

RECEIVED

APR - 6 2010

Environmental Bureau
Oil Conservation DivisionRICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

BOX LOCATION

| SWD SYSTEM | JUNCTION | UNIT | SECTION | TOWNSHIP | RANGE | COUNTY | BOX DIMENSIONS - FEET | | |
|------------------------|----------|------|---------|----------|-------|--------|-----------------------|-----------|----------|
| Blinebry-Drinkard (BD) | P-34 EOL | P | 34 | 21S | 37E | Lea | Length 5' | Width 12' | Depth 6' |
| | | | | | | | eliminated | | |

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER _____ Mark Owen _____ OTHER _____

Depth to Groundwater _____ 68 _____ feet NMOCD SITE ASSESSMENT RANKING SCORE: _____ 30* _____

Date Started _____ 10/20/2009 _____ Date Completed _____ 10/20/2009 _____ OCD Witness _____ no _____

Soil Excavated _____ 4.0 _____ cubic yards Excavation Length _____ 2 _____ Width _____ 6 _____ Depth _____ 9 _____ feet

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

FINAL ANALYTICAL RESULTS: Sample Date _____ 10/20/2009 _____ Sample Depth _____ 9 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 9' GRAB | 1.5 | <10.0 | 25.4 | 32 |

| LOCATION | DEPTH | mg/kg |
|--|-------|-------|
| background | 6" | 120 |
| vertical delineation trench at the junction (source) | 5' | 270 |
| | 6' | 211 |
| | 7' | 209 |
| | 8' | 212 |
| | 9' | 210 |

General Description of Remedial Action: This junction was addressed 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. Chloride field tests were performed on each sample which yielded low concentrations similar to that of the background. Organic vapors were measured using a PID which also yielded low concentrations. Laboratory analysis of the 9 ft BGS sample confirmed low concentrations of chloride and TPH. The excavated soil was returned to the excavation to ground surface and contoured to the surrounding area. On 11/6/2009, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

*Water Well 780 ft northwest.

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 _____ Eric Garrison _____ SIGNATURE _____ not available _____ COMPANY _____ RICE OPERATING COMPANY _____

REPORT ASSEMBLED BY _____ Katie Jones _____ INITIAL _____ R _____

PROJECT LEADER _____ Larry Bruce Baker Jr. _____ SIGNATURE _____ Larry Bruce Baker Jr. _____ DATE _____ 12-9-09 _____

BD P-34 EOL

Unit P, Section 34, T21S, R37E



site prior to excavation, facing south

10/20/2009



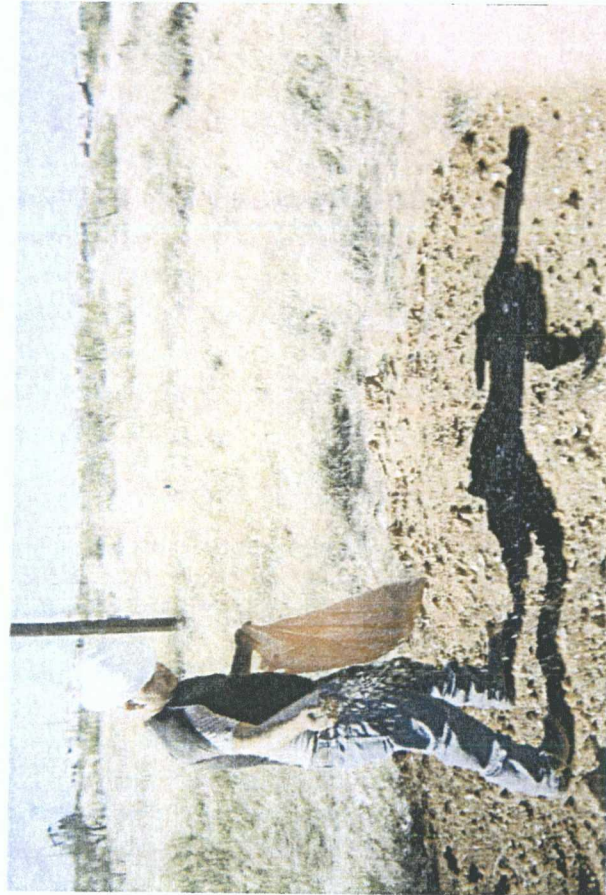
collecting a soil sample, facing west

10/20/2009



excavation as the former junction box, facing east

10/20/2009



seeding backfilled site, facing south

11/6/2009



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: 10/21/09
Reporting Date: 10/22/09
Project Owner: NOT GIVEN
Project Name: BD P-34 EOL (21-37)
Project Location: BD P-34 EOL (21-37)

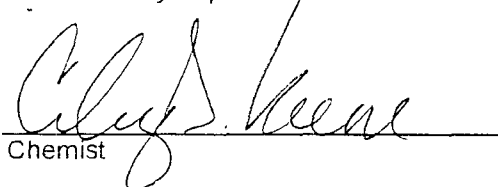
Sampling Date: 10/20/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/HM

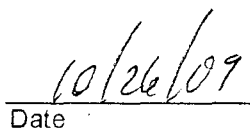
| LAB NUMBER | SAMPLE ID | GRO | DRO | CI* |
|------------|-----------|------------------------------------|--------------------------------------|---------|
| | | (C ₆ -C ₁₀) | (>C ₁₀ -C ₂₈) | |
| | | (mg/kg) | (mg/kg) | (mg/kg) |

| ANALYSIS DATE | 10/22/09 | 10/22/09 | 10/22/09 |
|-------------------------------|----------|----------|----------|
| H18549-1 SOURCE BTM GRAB @ 9' | <10.0 | 25.4 | 32 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Quality Control | 493 | 534 | 500 |
| True Value QC | 500 | 500 | 500 |
| % Recovery | 98.6 | 107 | 100 |
| Relative Percent Difference | 3.0 | 3.0 | < 0.1 |

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.


Chemist


Date

H18549 TCL RICE

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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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| BILL TO | | | | | | | | | | ANALYSIS REQUEST | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: <u>Rice Operating</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> | | | | | | | | | | Address: | | | | | | | | | |
| Phone #: <u>393-9174</u> Fax #: <u>575-397-1471</u> | | | | | | | | | | City: | | | | | | | | | |
| Project #: | | | | | | | | | | State: | | | | | | | | | |
| Project Name: <u>BDP-34201 (21-37)</u> | | | | | | | | | | Phone #: | | | | | | | | | |
| Project Location: <u>BBP-34201 (21-37)</u> | | | | | | | | | | Fax #: | | | | | | | | | |
| Sampler Name: <u>Eric Garrison</u> | | | | | | | | | | | | | | | | | | | |
| FURTHER USE ONLY | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | | | | | | | | | Sample I.D. | | | | | | | | | |
| <u>H18549-1</u> | | | | | | | | | | <u>Source B1m b1ab 29' 6"</u> | | | | | | | | | |
| MATRIX | | | | | | | | | | PRESERV | | | | | | | | | |
| GROUNDWATER | | | | | | | | | | ACID/BASE | | | | | | | | | |
| WASTEWATER | | | | | | | | | | ICE / COOL | | | | | | | | | |
| SOIL | | | | | | | | | | OTHER: | | | | | | | | | |
| OIL | | | | | | | | | | OTHER: | | | | | | | | | |
| SLUDGE | | | | | | | | | | | | | | | | | | | |
| # CONTAINERS | | | | | | | | | | | | | | | | | | | |
| (G) RAB OR (COMP) | | | | | | | | | | | | | | | | | | | |
| DATE: <u>10-21-09</u> TIME: <u>8:40 AM</u> | | | | | | | | | | DATE: <u>10-20-09</u> TIME: <u>10:45</u> | | | | | | | | | |
| Relinquished By: <u>Eric Garrison</u> | | | | | | | | | | Relinquished By: <u>Eric Garrison</u> | | | | | | | | | |
| Received By: <u>Bruce Baker</u> | | | | | | | | | | Received By: <u>Bruce Baker</u> | | | | | | | | | |
| Date: <u>10-21-09</u> Time: <u>8:40 AM</u> | | | | | | | | | | Date: <u>10-20-09</u> Time: <u>10:45</u> | | | | | | | | | |
| Relinquished By: <u>Bruce Baker</u> | | | | | | | | | | Relinquished By: <u>Bruce Baker</u> | | | | | | | | | |
| Delivered By: (Circle One) <u>Bruce Baker</u> | | | | | | | | | | Delivered By: (Circle One) <u>Bruce Baker</u> | | | | | | | | | |
| Sampler - UPS - Bus - Other: <u>Other</u> | | | | | | | | | | Sampler - UPS - Bus - Other: <u>Other</u> | | | | | | | | | |
| Checked By: <u>Bruce Baker</u> | | | | | | | | | | Checked By: <u>Bruce Baker</u> | | | | | | | | | |
| Initials: <u>BAB</u> | | | | | | | | | | Initials: <u>BAB</u> | | | | | | | | | |
| Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | | | |
| Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | | | |
| Add'l Phone #: <u>805 571 1111</u> | | | | | | | | | | Add'l Phone #: <u>805 571 1111</u> | | | | | | | | | |
| Add'l Fax #: <u>805 571 1111</u> | | | | | | | | | | Add'l Fax #: <u>805 571 1111</u> | | | | | | | | | |
| REMARKS: <u>Results</u> | | | | | | | | | | REMARKS: <u>Results</u> | | | | | | | | | |
| <u>egarrison@rice.swd.com</u> | | | | | | | | | | <u>egarrison@rice.swd.com</u> | | | | | | | | | |
| <u>bbaker@rice.swd.com</u> | | | | | | | | | | <u>bbaker@rice.swd.com</u> | | | | | | | | | |
| <u>eric.garrison@rice.swd.com</u> | | | | | | | | | | <u>eric.garrison@rice.swd.com</u> | | | | | | | | | |

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:

| |
|---|
| |
| X |
| |

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: 924908 | EXPIRATION DATE: 07-29-12 |
| FILL DATE: 07-30-09 | METER READING ACCURACY: 100 PPM |

ACCURACY: +/- 2%

| SYSTEM | JUNCTION | UNIT | SECTION | TOWN SHIP | RANGE |
|--------|----------|------|---------|-----------|-------|
| BD | P-3460L | P | 34 | 21 S | 37E |

Source

Background

| SAMPLE ID | PID | SAMPLE ID | PID |
|-----------|-----|-----------|-----|
| 5 | 1.8 | 06" | 0.0 |
| 6 | 1.4 | | |
| 7 | 1.3 | | |
| 8 | 1.6 | | |
| 9 | 1.5 | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

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

SIGNATURE: Eric Garrison

DATE: 10-20-09

CHLORIDE CONCENTRATION CURVE

RICE Operating Company

BD P-34 EOL

Unit 'P', Sec. 34, T21S, R37E

Backhoe samples at the junction (source)

| Depth bgs (ft) | [Cl] ppm |
|----------------|----------|
| 5 | 270 |
| 6 | 211 |
| 7 | 209 |
| 8 | 212 |
| 9 | 210 |

Groundwater = 68 ft

