## 1R-426-267

### REPORTS

DATE:

9-28-10

BD Jct. K-30 2010

APR
Oil Conservation Division
Santa Fe, NAI 87505

#### CLOSURE

#### RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

BOX LOCATION

| Sample   PID (field)   Sample Date   Af12/2010   Sample Depth   6 ft   | 1           | SWD SYSTEM JUNCTION UNIT SECTION TOWNSHIP RANGE COUNTY BOX DIMENSIONS - FEET |               |                |                |                 |                |                |                   |                |                   |
|--|-------------|--|---------------|----------------|----------------|-----------------|----------------|----------------|-------------------|----------------|-------------------|
| Blinebry-Drinkerd   Jet. K-30   K   30   228   38E   Lea   | ŀ           | SWD SYSTEM   | JUNCTION      | UNIT           | SECTION        | TOVVINSHIP      | RANGE          | COUNTY         |                   |                |                   |
| LAND TYPE: BLMSTATEFEE LANDOWNERWalco Ranch, LLCOTHER  | ľ           |  | Jct. K-30     | K              | 30             | 228             | 38E            | Lea            |                   |                |                   |
| Depth to Groundwater 90 reet NMOCD SITE ASSESSMENT RANKING SCORE: 10  Date Started 4/12/2010 Date Completed 4/28/2010 OCD Witness no  Soil Excavated 6.2 cubic yards Excavation Length 7 width 4 Depth 6 reet  Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a  FINAL ANALYTICAL RESULTS: Sample Date 4/12/2010 Sample Depth 6 ft  TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.  Sample PID (field) GRO DRO Chloride mg/kg mg/kg  SOURCE 6' GRAB 26.7 <10.0 <10.0 224  Sample PID (field) GRO DRO Chloride mg/kg mg/kg  SOURCE 6' GRAB 26.7 <10.0 <10.0 224  General Description of Remedial Action: This junction and line were eliminated during the pipeline replacement/upgrade program. After the former junction box was regular intervals producing a TX4X6-ft. deep excavation. Chloride field tests were performed on each sample which yielded low concentrations. 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. The remaining excavation was backfilled to ground surface with clean imported soil and contoured to the surrounding area. On 4/28/2010, the site was seeded with a blend of native seed and is expected to return to a productive capacity at a normal rate.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  SITE SUPERVISOR Robert Is a productive to the PROPERT IN ARRED COMPANY RICE OPERATING COMPANY RI |             | (RD)   |               |                |                |                 |                |                |                   | Eliminated     |                   |
| Date Started 4/12/2010 Date Completed 4/28/2010 OCD Witness no Soil Excavated 6.2 cubic yards Excavation Length 7 Width 4 Depth 6 feet Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a  FINAL ANALYTICAL RESULTS: Sample Date 4/12/2010 Sample Depth 6 ft  TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.  Sample FID (field) GRO DRO Chloride mg/kg m |             | LAND TYPE: E   | BLM           | STATE          | FEE LA         | NDOWNER         | Walco          | Ranch, LLC     | OTHER             |                |                   |
| Soil Excavated 6.2 cubic yards Excavation Length 7 Width 4 Depth 6 feet  Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a  FINAL ANALYTICAL RESULTS: Sample Date 4/12/2010 Sample Depth 6 ft  TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.  Sample PID (field) GRO DRO Chloride Location ppm mg/kg mg/kg mg/kg  SOURCE 6' GRAB 26.7 <10.0 <10.0 224  General Description of Remedial Action: This junction and line were eliminated during the pipeline replacement/upgrade program. After the former junction box was regular intervals producing a 7X4X6-ft. deep excavation. Chloride field tests were performed on each sample which yielded low concentrations. Organic vapors were measured using a PID, which also yielded low concentrations. 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. The remaining excavation was backfilled to ground surface with clean imported soil and contoured to the surrounding area. On 4/28/2010, the site was seeded with a blend of native seed and is expected to return to a productive capacity at a normal rate.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEGGE AND BELIEF.  SITE SUPERVISOR Robert Egans SIGNATURE ABOUT THE SITE AND COMPLETE TO THE BEST OF MY KNOWLEGGE AND BELIEF.   |             | Depth to Grour   | ndwater       | 90             | feet           | NMOCD           | SITE ASSI      | ESSMENT        | RANKING S         | CORE:          | 10                |
| Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a  FINAL ANALYTICAL RESULTS: Sample Date 4/12/2010 Sample Depth 6 ft  TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.  Sample PID (field) GRO DRO Chloride Location ppm mg/kg mg/kg mg/kg  SOURCE 6' GRAB 26.7 <10.0 <10.0 224  General Description of Remedial Action: This junction and line were eliminated during the pipeline replacement/uograde program. After the former junction box was regular intervals producing a 7X4X6-ft. deep excavation. Chloride field tests were performed on each sample which yielded low concentrations. 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. The remaining excavation was backfilled to ground surface with clean imported soil and contoured to the surrounding area. On 4/28/2010, the site was seeded with a blend of native seed and is expected to return to a productive capacity at a normal rate.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  SITE SUPERVISOR Robert Egans SIGNATURE ARA COMPANY RICE OPERATING COMPANY RICE OPERATING COMPANY REPORT ASSEMBLED BY Large Baker, to the surrounding area. IN INTAL ARB  |             | Date Started   | 4/12          | 2010           | _ Date Co      | mpleted         | 4/28/2010      | OCD            | Witness           | no             |                   |
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| TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.    Sample   |             | Soil Disposed  | 0             | cubic ya       | rds Of         | fsite Facility  | n              | /a             | Location          | n/             | <u>a</u>          |
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| SOURCE 6' GRAB 26.7 <10.0 <10.0 224    Company   Company |             |  |               |                |                |                 |                |                |                   |                |                   |
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| 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 Robert Egans SIGNATURE ASSEMBLED BY LATER BRICE BAKER IN INITIAL ARB  | low con     | centrations. The   | excavated s   | oil was returr | ned to the exc | cavation. The   | remaining ex   | cavation wa    | s backfilled to   | ground surfac  |                   |
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| KNOWLEDGE AND BELIEF.  SITE SUPERVISOR Robert Egans SIGNATURE REPORT  ASSEMBLED BY Larry Bruce Baker In INITIAL 188  |             |  |               |                |                |                 | enciosures: p  | photos, lab re | esults, PID (fiel | d) screenings  | s, chloride curve |
| KNOWLEDGE AND BELIEF.  SITE SUPERVISOR Robert Egans SIGNATURE REPORT  ASSEMBLED BY Larry Bruce Baker In INITIAL 188  |             |  |               |                |                |                 |                |                | <del></del>       |                |                   |
| REPORT ASSEMBLED BY Larry Bruce Baker Ir INITIAL 1RB   |             | I HEREBY   | CERTIFY       | THAT THE       |                |                 |                |                | PLETE TO TI       | HE BEST O      | FMY               |
| ASSEMBLED BY Larry Bruce Baker Ir INITIAL 4 KB   | SITE SL     | JPERVISOR  | Robert Ega    | ns SIG         | NATURE         | Roker           | t Zan          | <u> </u>       | COMPANY           | RICE OPERA     | TING COMPANY      |
| PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 9-28-10  |             | EMBLED BY I  | arry Bruce Ba | ker Jr.        | INITIAL        | ZBB             |                |                |                   |                |                   |
|  | PROJEC      | CT LEADERL   | arry Bruce Ba | ker Jr. SIG    | NATURE         | Lany B          | ruce Ba        | her fr.        | DATE_             | 9-28           | 3-10              |

## **BD Jct. K-30**

Unit K, Section 30, T22S, R38E











Seeding excavation

4/28/2010

4/12/2010

Sample being taken



ANALYTICAL RESULTS FOR RICE OPERATING COMPANY ATTN: BRUCE BAKER 112 W. TAYLOR HOBBS, NM 88240

Receiving Date: 04/12/10 Reporting Date: 04/19/10

Project Number: NOT GIVEN

Project Name: BD JCT K-30 (22/38)
Project Location: BD JCT K-30 (22/38)

Sampling Date: 04/12/10 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: JH Analyzed By: AB/HM

GRO

DRO

 $(C_6-C_{10})$  (> $C_{10}-C_{28}$ )

CI\*

LAR NUMBER SAMPLE ID

(mg/kg) (mg/kg)

(mg/kg)

| ANALYSIS DATE               | 04/15/10 | 04/15/10 | 04/13/10 |
|-----------------------------|----------|----------|----------|
| H19654-1** SOURCE @ 6FT     | <10.0    | <10.0    | 224      |
|                             |          |          |          |
|                             |          |          |          |
|                             |          |          |          |
|                             |          |          |          |
|                             |          |          |          |
|                             |          |          |          |
|                             |          |          |          |
| Quality Control             | 485      | 564      | 500      |
| True Value QC               | 500      | 500      | 500      |
| % Recovery                  | 97.0     | 113      | 100      |
| Relative Percent Difference | 0.1      | 0.4      | < 0.1    |

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

Reported on wet weight.

Date

<sup>\*</sup>Analysis performed on a 1:4 w:v aqueous extract.

<sup>\*\*</sup>One or more TPH surrogates outside historical limits due to matrix interference.

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## ARDINAL LABORATORIES

101 East Mariand, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

| Company Nam         | Company Name: RICE Operative Carlo   |                                   | 74.76  |  |  | RILL TO | 7.0                   |  |   | 2.7         | ANAI VSIS | 0 10 X | PEOLIECT | ECT                                    |        |   |   |
|---------------------|--------------------------------------|-----------------------------------|--|--|--|---------|-----------------------|--|---|-------------|-----------|--------|----------|--|--------|---|---|
| Project Manage      | Project Manager: Bruce Baker         |                                   |  |  | P.O. #:  |         |                       |  |   |             |           |        |          |  |        |   |   |
| Address: / 2        | Address: 122 W. Taylor               |                                   |  |  | Company:   |         |                       |  |   | <del></del> |           |        |          |  |        |   |   |
| clty: 1-10 bbs      | bs State: MA Zip:                    | р:<br>Э                           | 8240   | r 2.   | Attn:  |         |                       |  |   |             |           |        |          |  |        |   |   |
| Phone #: 57         | Phone #: 575-393-9174 Fax#: 575-397- | 397-                              | 1411   | adaya S  | Address:   |         |                       |  |   |             |           |        |          |  |        |   |   |
| Project #:          | Project Owner:                       |                                   |  | -2 13<br>-   | Sity:  |         |                       |  |   | W           |           |        |          |  |        |   |   |
| Project Name:       | BD JETK-30 (22/38)                   | (8                                |  |  | State:   | Zip:    | 3:                    |  |   | SI          |           |        |          |  |        |   |   |
| Project Location:   | :uc                                  |                                   |  | -  | Phone #:   |         |                       |  |   | 08          |           |        |          |  |        |   |   |
| Sampler Name:       | Robert Egans                         |                                   |  | -  | Fax #:   |         |                       |  |   | 3           |           |        |          |  |        |   |   |
| FOR LAB USE ONLY    |                                      |                                   | MATRIX   |  | PRESERV  | L       | SAMPLING              |  |   | 7           |           |        |          | ·                                      |        |   |   |
| Lab I.D.            | Sample I.D.                          | (G)RAB OR (C)OMP.<br># CONTRINERS | SKOUNDWATER<br>WASTEWATER<br>JIOS  | ernbee<br>oir  | CE I COOL<br>CID/BASE:<br>DITHER:  | : ABHTC | ν (1/1/1/2)<br>DATE T | TIME   | 32. <sup>3</sup>  | PH Hd_      |           | 1      |          | ······································ |        |   |   |
| H1964-1             | Source D GFT.                        | -                                 |  | 1  |  | )       | 1000                  | 1.550  |   | 1           |           | T      |          | -                                      |        |   |   |
|                     |                                      | ; .                               |  | oreșe.   |  |         |                       |  |   |             |           |        | -        |  |        | - |   |
|                     |                                      |                                   |  | .4 , 4 ,   |  |         |                       |  |   |             |           |        | -        |  |        | - |   |
|                     |                                      |                                   |  |  |  |         |                       |  |   |             |           | (      | (        | 1                                      | 1      | - |   |
|                     |                                      |                                   |  |  |  |         |                       |  |   |             |           |        |          | þ                                      | $\geq$ |   |   |
|                     | 3                                    |                                   | 2 °  | - 2.5  |  |         |                       |  |   |             |           |        |          | <u> </u>                               |        |   |   |
|                     |                                      | \$                                |  |  | -  |         |                       |  |   |             |           | -      |          |  |        |   |   |
|                     |                                      |                                   |  |  |  |         |                       |  | ,   |             |           | -      |          |  |        |   |   |
|                     | 22                                   |                                   |  | <u> </u>   |  |         |                       |  |   |             |           | -      |          | -                                      |        |   |   |
|                     |                                      |                                   | Car.   | 25.90  |  | 19.5°   |                       |  |   |             |           |        |          |  |        |   |   |
| THE PERSON NAMED IN |                                      | THE REAL PROPERTY.                | The Part of the Pa | C. STREET, STR | Constitution of the last of th |         | THE REAL PROPERTY.    | Tentes Control of the Party Street, Square, Sq | AND PERSONAL PROPERTY |             |           |        |          | _                                      | 1      |   | - |

W31-1322 REMARKS: E. Mail. Results I purvis @ RICESUND COM B baker 1' kegang Received By: Time: Sampler - UPS - Bus - Other: Robert Egans Delivered By: (Circle One) Relinquished By:

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

At 26

#### RICE OPERATING COMPANY

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

|   |                 | Check Model Nu        | moer. |                 |                       |
|---|-----------------|-----------------------|-------|-----------------|-----------------------|
|   | Model: PGM 7300 | Serial No: 590-000183 |       | Model: PGM 7600 | Serial No: 110-023920 |
| V | Model: PGM 7300 | Serial No: 590-000508 |       | Model: PGM 7600 | Serial No: 110-013744 |
|   | Model: PGM 7300 | Serial No: 590-000504 |       | Model: PGM 7230 | Serial No: 592-903318 |

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

| LOT NO:    | 928167 | EXPIRATION DATE: / - 17-2013    |
|------------|--------|---------------------------------|
| FILL DATE: |        | METER READING ACCURACY: 100 ppm |

ACCURACY: +/- 2%

| SYSTEM | JUNCTION  | UNIT | SECTION | TOWN SHIP | RANGE |
|--------|-----------|------|---------|-----------|-------|
| BD     | JcT. K-30 | K    | 30      | 22        | 38    |

| SAMPLE ID  | PID  | SAMPLE ID  | PID |
|--|------|------------|-----|
| Source 2'  | 1.4  | Background | 1.3 |
| 3'   | 11.6 |            |     |
| 4'   | 16.6 |            |     |
| 5'   | 26.3 |            |     |
| 6'   | 26.7 |            |     |
|  |      |            |     |
|  |      |            |     |
|  |      |            |     |
|  |      | COPY       |     |
|  |      |            |     |
|  |      |            |     |
| And the first of the state of t |      |            |     |

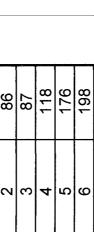
I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

SIGNATUE: Rolled 1900 DATE: 4-12-2010

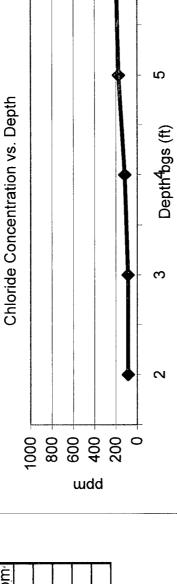
## **BD Jct. K-30** Unit 'K', Sec. 30, T22S, R38E

Backhoe samples at the junction (source)

| [CI] ppm       | 98 | 87 | 118 | 176 | 198 |
|----------------|----|----|-----|-----|-----|
| Depth bgs (ft) | 2  | 3  | 7   | 9   | 9   |



Groundwater = 90 ft



9