

1R - 426-88

REPORTS

DATE:

2/14/2001

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

426 - 88

BOX LOCATION

| SWD SYSTEM | JUNCTION | UNIT | SECTION | TOWNSHIP | RANGE | COUNTY | BOX DIMENSIONS - FEET | | |
|------------|-------------|------|---------|----------|-------|--------|-----------------------|-------|-------|
| BD | STATE D-157 | N | 12 | 22S | 36E | LEA | LENGTH | Width | Depth |
| | | | | | | | 6 | 5 | 5 |

LAND TYPE: BLM ☐ STATE ☒ FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 124 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 11-1-00 Date Completed 12-16-00 OCD Witness NONE

Soil Excavated 36 cubic yards Excavation Length 8 Width 8 Depth 9 feet

Soil Disposed 36 cubic yards Offsite Facility SUNDANCE Location EUNICE

FINAL ANALYTICAL RESULTS: Sample Date 12-01-00 Sample Depth 9

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH, BTEX and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

| Sample Location | Benzene ma/ka | Toluene ma/ka | Ethyl Benzene ma/ka | Total Xylenes ma/ka | GRO ma/ka | DRO ma/ka | Chlorides ma/ka |
|-----------------|---------------|---------------|---------------------|---------------------|-----------|-----------|-----------------|
| SIDEWALLS | <0.005 | <0.005 | 0.007 | 0.038 | <50 | 80.6 | 1010 |
| BOTTOM | <0.005 | <0.005 | 0.008 | 0.04 | <50 | 80.5 | 3810 |

General Description of Remedial Action:

REMOVED 36 CUBIC YARDS OF IMPACTED SOIL AND HAULED IT TO SUNDANCE LOCATED IN EUNICE, NEW MEXICO

CHLORIDE FIELD TESTS

| LOCATION | DEPTH | mg/kg |
|-----------|-------|-------|
| SIDEWALLS | 2' | 900 |
| BOTTOM | 9' | 3200 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE FEBRUARY 14, 2001

PRINTED NAME JAMES STURGILL

SIGNATURE

James Sturgill

TITLE ENVIRONMENTAL TECHNICIAN



PHONE (915) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

**ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: JAMES STURGILL
122 WEST TAYLOR
HOBBS, NM 88240
FAX TO:**

Receiving Date: 12/01/00
Reporting Date: 12/04/00
Project Number: STATE 157D
Project Name: STATE 157D-BD
Project Location: UN SEC 12-T22S-R36E

Sampling Date: 12/01/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC/AH

| LAB NUMBER | SAMPLE ID | GRO | DRO | CI* |
|-----------------------------|-----------|---|---|----------|
| | | (C ₈ -C ₁₀) (mg/Kg) | (>C ₁₀ -C ₂₈) (mg/Kg) | |
| ANALYSIS DATE | | 12/01/00 | 12/01/00 | 12/04/00 |
| H5398-1 | SIDES | <50 | 80.8 | 1010 |
| H5398-2 | BOTTOM | <50 | 80.5 | 3810 |
| | | | | |
| | | | | |
| | | | | |
| Quality Control | | 1070 | 1059 | 1035 |
| True Value QC | | 1000 | 1000 | 1000 |
| % Recovery | | 107 | 106 | 104 |
| Relative Percent Difference | | 4.4 | 1.1 | 0.9 |

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

*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date _____

H5398A.XLS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for aneasysas. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



ARDINAL LABORATORIES

PHONE (815) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: JAMES STURGILL
122 WEST TAYLOR
HOBBS, NM 88240
FAX TO:

Receiving Date: 12/01/00
Reporting Date: 12/04/00
Project Number: STATE 157D
Project Name: STATE 157D-BD
Project Location: UN SEC 12-T22S-R36E

Sampling Date: 12/01/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

| LAB NUMBER | SAMPLE ID | BENZENE (mg/Kg) | TOLUENE (mg/Kg) | ETHYL BENZENE (mg/Kg) | TOTAL XYLENES (mg/Kg) |
|-----------------------------|-----------|--------------------|--------------------|-----------------------------|-----------------------------|
| ANALYSIS DATE | | 12/01/00 | 12/01/00 | 12/01/00 | 12/01/00 |
| H5398-1 | SIDES | <0.005 | <0.005 | 0.007 | 0.038 |
| H5398-2 | BOTTOM | <0.005 | <0.005 | 0.008 | 0.040 |
| | | | | | |
| | | | | | |
| | | | | | |
| Quality Control | | 0.088 | 0.090 | 0.087 | 0.266 |
| True Value QC | | 0.100 | 0.100 | 0.100 | 0.300 |
| % Recovery | | 87.9 | 90.2 | 86.6 | 88.5 |
| Relative Percent Difference | | 2.0 | 5.6 | 0.4 | 5.0 |

METHOD: EPA SW 846-8020, 5030, Gas Chromatography

Chemist

Date

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

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

364.64

Sundance Services, Inc.P.O. Box 1737 ★ Eunice, NM 88231
(505) 394-2511

NC 36740

LEASE OPERATOR/SHIPPER/COMPANY: Keele Arco D-157LEASE NAME: BN SWBTRANSPORTER COMPANY: West Works

TIME: _____ AM/PM

DATE: 1-17-01 VEHICLE NO.: 11 DRIVER NO.: _____CHARGE TO: Keele**TYPE OF MATERIAL**☐ Production Water☐ Drilling Fluids☐ Completion Fluids☐ Tank Bottoms☒ Contaminated soil☐ C-117 No.: _____☐ Other Material:☐ BS&W Content: _____Description: oilfieldVOLUME OF MATERIAL ☐ BBLs. _____ : ☐ YARD 12 : ☐ _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001, et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Mark T. Lewis
(SIGNATURE)FACILITY REPRESENTATIVE: Bobby Rouch
(SIGNATURE)

Sundance Services, Inc.P.O. Box 1737 ★ Eunice, NM 88231
(505) 394-2511**N2 35385**LEASE OPERATOR/SHIPPER/COMPANY: RICELEASE NAME: B.O. SWD D-15"TRANSPORTER COMPANY: DIET WALK

TIME:

AM/PM

DATE: 12-11-00VEHICLE NO.: 11

DRIVER NO.:

CHARGE TO: RICE**TYPE OF MATERIAL**☐ Production Water☐ Tank Bottoms☐ Other Material:☐ Drilling Fluids☒ Contaminated soil☐ BS&W Content: _____☐ Completion Fluids☐ C-117 No.: _____Description: O.OVOLUME OF MATERIAL ☐ BBLs. _____☐ YARD 12 :☐ _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001, et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: ROBERT LEWIS

(SIGNATURE)

FACILITY REPRESENTATIVE: Wanda Davis

(SIGNATURE)

Sundance Services, Inc.P.O. Box 1737 ★ Eunice, NM 88231
(505) 394-2511

N2 35743

LEASE OPERATOR/SHIPPER/COMPANY: ARCLEASE NAME: ARC D-157TRANSPORTER COMPANY: ARC

TIME:

AM/PM

DATE: 1-17-01VEHICLE NO.: ARC

DRIVER NO.:

CHARGE TO: ARC**TYPE OF MATERIAL**☐ Production Water☐ Drilling Fluids☐ Completion Fluids☐ Tank Bottoms☐ Contaminated soil☐ C-117 No.: _____☐ Other Material:☐ BS&W Content: _____Description: oilVOLUME OF MATERIAL ☐ BBLs. _____ :☒ YARD 12 :☐ _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001, et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: ROBERT LEWIS

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White-Sundance Canary-Sundance Acct#1 Pink-Sundance Acct#2 Gold-Transporter
Revised 12/27/95