

1R - 426-80

REPORTS

DATE:

2/16/2001

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

1R-426-80

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
BD	METEX PAN CAN	M	6	22S	37E	LEA	6'	6'	4'

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

Depth to Groundwater >100' feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 02/16/2001 Date Completed 02/16/2001 OCD Witness NO

Soil Excavated 60 cubic yards Excavation Length 16' Width 14 Depth 11 feet

Soil Disposed 44 cubic yards Offsite Facility SUNDANCE Location EUNICE, NM

FINAL ANALYTICAL RESULTS: Sample Date 02/16/2001 Sample Depth 11'

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 mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
SIDEWALLS	<0.2	<0.2	0.258	0.769	<50	<50	2938
BOTTOM	<0.2	<0.2	<0.2	<0.6	<50	683	1508

General Description of Remedial Action: Delineated vertical and lateral extent to below

NMOCD guidelines. Installed compacted clay liner and water tight junction box and backfilled.

High impact soil was hauled to permitted disposal facility.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	3'	1700
BOTTOM	11'	900

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

DATE 02/16/2001 PRINTED NAME James Strugill
SIGNATURE James Strugill TITLE Environmental Technician

**CARDINAL
LABORATORIES**

PHONE (916) 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 W. TAYLOR
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/16/01
Project Owner: NOT GIVEN
Project Number: MEXTEX - PAN A
Project Name: MEXTEX PAN CAN A
Project Location: S-6 T22S R37E

Sampling Date: 02/16/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GAP
Analyzed By: JA

LAB ID	SAMPLE ID	GRO (C8-C10) (mg/Kg)	DRO (>C10-C28) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
H5627-1	PAN CAN A SIDES	<500	<500	<0.200	<0.200	0.268	0.769
H5627-2	PAN CAN A BOTTOM	<500	683	<0.200	<0.200	<0.200	<0.600

Extraction Date:	02/19/01	02/19/01	02/19/01	02/19/01	02/19/01	02/19/01	02/19/01
Analysis Date:	02/19/01	02/19/01	02/19/01	02/19/01	02/19/01	02/19/01	02/19/01
Method Blank	<50.0	<50.0	<0.002	<0.002	<0.002	<0.002	<0.006
Quality Control	107	92	0.097	0.100	0.088	0.275	0.275
True Value QC	100	100	0.100	0.100	0.100	0.300	0.300
% Recovery	107%	92%	97%	100%	88%	92%	92%
Relative Percent Difference	6.5%	3.8%	4.1%	0.7%	1.6%	0.2%	0.2%

METHODS: TPH GRO & DRO - EPASW-846 8015M; BTEX-EPA SW-846 8021B, 5030B


Jim Armstrong

2-20-01
Date

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 analyses. 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 CO.
ATTN: JAMES STURGILL
122 W. TAYLOR
HOBBS, NM 88240

Receiving Date: 02/16/01
Reporting Date: 02/20/01
Project Number: MEXTEX PAN-A
Project Name: MEXTEX PAN CAN A
Project Location: S-8 T22 R37E

Analysis Date: 02/19/01
Sampling Date: 02/16/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Cl ⁻ (mg/Kg)
H5627-1	PAN CAN A SIDES	2938
H5627-2	PAN CAN A BOTTOM	1508
Quality Control		1031
True Value QC		1000
% Recovery		103
Relative Percent Difference		1.9

METHOD: Standard Methods 4500-ClB

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


Chemist

02/20/2001
Date

H5627.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 analyses. 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.



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC.
2111 Beechwood, Abilene, TX 79603
(915) 673-7001 Fax (915) 673-7020

Page of

Company Name: Rice Operating James Storgill
Project Manager: James Storgill
Address: 122 W Taylor
City: Hobbs State: NM Zip: 88401
Phone #: (505) 393-9174
Project #: Mexter-Pan CANA
Project Name: Mex Tex PAN CANA
Project Location: 5-6 T225 R37E
Sampler Name:
FOR LAB USE ONLY
Sample I.D.
H3621-1 PAN CANA Sides
-2 PAN CANA Bottom
Matrix: GROUNDWATER, WASTEWATER, SOIL, CRUDE OIL, SLUDGE
Preserv: ACID/BASE, ICE/COOL, OTHER:
Date: 02/16/2001
Time: 2:30
Analysis Request Table with columns for Lab I.D., Matrix, Preserv, Sampling, Date, Time, and checkboxes for Yes/No.

PLEASE NOTE: Liability and Damages...
Sampler Relinquished: James Storgill Date: 2/16/01 Time: 3:30
Received By: (Lab Staff) Date: 02/16/2001 Time: 04:10
Delivered By: (Circle One) Sample - UPS - Bus - Other:
Checked By: (Initials)
Phone Result: Yes No Fax Result: Yes No Add'l Phone #: Add'l Fax #:

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

Sundance Services, Inc.

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

NE 37887

LEASE OPERATOR/SHIPPER/COMPANY: Rice

LEASE NAME: EO Metro Panama APC-683

TRANSPORTER COMPANY: Best works TIME: 11-12 AM/PM

DATE: 7-21-01 VEHICLE NO.: 102 DRIVER NO.:

CHARGE TO: Rice

TYPE OF MATERIAL

- | | | |
|---|---|--|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Completion Fluids |
| <input type="checkbox"/> Tank Bottoms | <input checked="" type="checkbox"/> Contaminated soil | <input type="checkbox"/> C-117 No.: _____ |
| <input type="checkbox"/> Other Material: | <input type="checkbox"/> BS&W Content: _____ | |

Description: Oilfield

VOLUME 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: [Signature]
(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]
(SIGNATURE)

Sundance Services, Inc.

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

NO 37895

LEASE OPERATOR/SHIPPER/COMPANY: ACE

LEASE NAME: WATER SUPPLY ACE-693

TRANSPORTER COMPANY: ACE TIME: _____ AM/PM

DATE: 2-21-11 VEHICLE NO.: 12 DRIVER NO.:

CHARGE TO: ACE

TYPE OF MATERIAL

- | | | |
|---|--|--|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Completion Fluids |
| <input type="checkbox"/> Tank Bottoms | <input type="checkbox"/> Contaminated soil | <input type="checkbox"/> C-117 No.: _____ |
| <input type="checkbox"/> Other Material: | <input type="checkbox"/> BS&W Content: _____ | |

Description: n/a

VOLUME 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: [Signature]
(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]
(SIGNATURE)

Sundance Services, Inc.

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

NE 37872

LEASE OPERATOR/SHIPPER/COMPANY: Rico APC-693

LEASE NAME: Mc tex Panaca BO sub

TRANSPORTER COMPANY: Dirt Works TIME: _____ AM/PM

DATE: 3-31-01 VEHICLE NO.: #02 DRIVER NO.:

CHARGE TO: Rico

TYPE OF MATERIAL

- | | | |
|---|---|--|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Completion Fluids |
| <input type="checkbox"/> Tank Bottoms | <input checked="" type="checkbox"/> Contaminated soil | <input type="checkbox"/> C-117 No.: _____ |
| <input type="checkbox"/> Other Material: | <input type="checkbox"/> BS&W Content: _____ | |

Description: City dirt

VOLUME OF MATERIAL BBLs. _____ : YARD 12 : _____

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DRIVER: Tony Turner
(SIGNATURE)

FACILITY REPRESENTATIVE: Holly Koch
(SIGNATURE)

Stump

Sundance Services, Inc.

P.O. Box 1737 * Eunice, NM 88231
(505) 394-2511

NE 37910

LEASE OPERATOR/SHIPPER/COMPANY: IT/CC

LEASE NAME: WATER FROM WELLS AFE-493

TRANSPORTER COMPANY: _____ TIME: _____ AM/PM

DATE: 7/10/01 VEHICLE NO.: _____ DRIVER NO.: _____

CHARGE TO: IT/CC

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Other Material:
- Drilling Fluids
- Contaminated soil
- BS&W Content: _____
- Completion Fluids
- C-117 No.: _____

Description: W/W

AFE-493

VOLUME OF MATERIAL BBLs. _____ : YARD 8 : _____

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: Tony Turner (SIGNATURE)

FACILITY REPRESENTATIVE: Thomas Hays (SIGNATURE)