

1R - 426-48

REPORTS

DATE:

1/08/2003

1R-426-48

FINAL REPORT

JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
B-D	N-26	N	26	21S	37E	Lea	Length 6'	Width 7'	Depth 3'

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Delrose Scott OTHER _____

Depth to Groundwater 45' - 47' feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 10/15/2002 Date Completed 10/31/2002 OCD Witness No

Soil Excavated 57 cubic yards Excavation Length 32' Width 21' Depth 5' feet

Soil Disposed 24 cubic yards Offsite Facility Junction box Location Eunice, N.M.

FINAL ANALYTICAL RESULTS: Sample Date October 25, 2002 Sample Depth 5' bgs

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 PPM
SIDEWALLS	<0.005	<0.005	<0.005	<0.015	<10.0	<10.0	320
BOTTOM	<0.005	<0.005	<0.005	<0.015	<10.0	<10.0	448

General Description of Remedial Action: Excavated the area laterally and vertically

to find the depth where impact met the NMOCD TPH guidelines. At 3' bgs chlorides

tested to be 837 ppm. ROC dug down to 5' bgs to find the chlorides declining down

to 336 ppm chlorides. ROC excavated down to 5' bgs. A clay liner was installed

at 5' bgs to slow the migration of any impact left in the soil. A water tight junction

box was installed and backfilled. The area was contoured to the surrounding area.

The depth to groundwater is 45' - 47' bgs.

Because the chlorides declined from 837 ppm at 3' bgs down to 336 ppm chlorides

at 5' bgs it is assumed that impact stopped before GW.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	Chlorides
B Comp	5' bgs	336
B Comp	3' bgs	837
W Comp	1.5' bgs	204

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

DATE January 8, 2003 PRINTED NAME Chris Rodriguez

SIGNATURE *Chris Rodriguez* TITLE Environmental Technician

Sundance Services, Inc.P.O. Box 1737 • Eunice, NM 88231
(505) 394-2511**Nº 60331**

LEASE OPERATOR/SHIPPER/COMPANY:

Rice Operating

LEASE NAME:

B-D SWD

TRANSPORTER COMPANY:

ED WARD

TIME:

AM/PM

DATE:

10-31-02

VEHICLE NO.:

371

DRIVER NO.:

CHARGE TO:

*Rice**SEC 26 TELS R37E***TYPE OF MATERIAL**☐ Production Water☐ Drilling Fluids☐ Completion Fluids☐ Tank Bottoms☒ Contaminated soil☐ C-117 No.:☐ Other Material:☐ BS&W Content:

Description:

*Cont. Soil*VOLUME OF MATERIAL ☐ BBLs☒ YARD☐

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 SAFETY CODE § 361001, 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)

Reyes TAVIN JR

FACILITY REPRESENTATIVE:

(SIGNATURE)

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

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, NM 88231

(505) 394-2511

NE 60341LEASE OPERATOR/SHIPPER/COMPANY: *Rice Corp.*LEASE NAME: *B-D SWD*TRANSPORTER COMPANY: *F.D.W.*

TIME: AM/PM

DATE: *10-31-01* VEHICLE NO.: *751*

DRIVER NO.:

CHARGE TO: *Rice Corp.***TYPE OF MATERIAL***SECT 1115 R31E
SCT N-26*☐ Production Water☐ Drilling Fluids☐ Completion Fluids☐ Tank Bottoms☒ Contaminated soil☐ C-117 No.:☐ Other Material:☐ BS&W Content:Description: *oil, gas, &*VOLUME OF MATERIAL ☐ BBLs☒ YARD☐

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: *Reyes Tarcin III*
(SIGNATURE)FACILITY REPRESENTATIVE: *[Signature]*
(SIGNATURE)

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



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: CHRIS RODRIGUEZ
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 10/25/02
Reporting Date: 10/28/02
Project Number: NOT GIVEN
Project Name: VENT N-26 JCT. BOX UPGRADE
Project Location: B-D

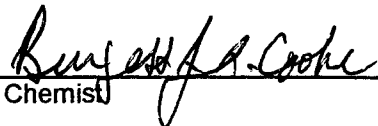
Sampling Date: 10/15/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
		10/25/02	10/25/02	10/28/02
H7159-1	WALL COMPOSITE	<10.0	<10.0	320**
H7159-2	BOTTOM COMPOSITE	<10.0	<10.0	448
Quality Control		726	808	1000
True Value QC		800	800	1000
% Recovery		90.8	101	100
Relative Percent Difference		1.1	1.1	5.0

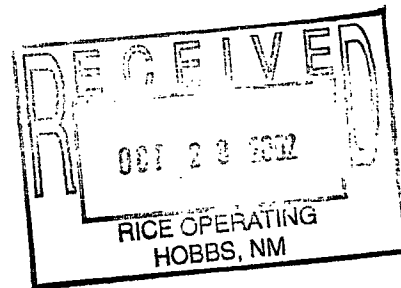
METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB

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

**Matrix Interference (color) observed.


Chemist

10/28/02
Date



H7159A.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.



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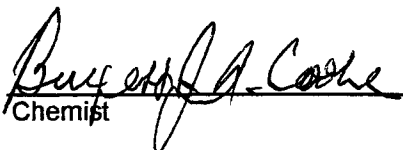
ANALYTICAL RESULTS FOR
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Project Number: NOT GIVEN
Project Name: VENT N-26 JCT. BOX UPGRADE
Project Location: B-D

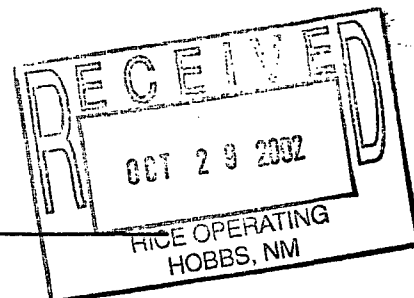
Sampling Date: 10/15/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		10/25/02	10/25/02	10/25/02	10/25/02
H7159-1	WALL COMPOSITE	<0.005	<0.005	<0.005	<0.015
H7159-2	BOTTOM COMPOSITE	<0.005	<0.005	<0.005	<0.015
Quality Control		0.094	0.099	0.108	0.315
True Value QC		0.100	0.100	0.100	0.300
% Recovery		94.1	99.1	108	105.0
Relative Percent Difference		2.8	2.6	2.5	1.7

METHOD: EPA SW-846 8260


Chemist

10/28/02
Date



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