

**1R - 427 - 109**

# **REPORTS**

**DATE:**

**3-1-2001**

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**RICE OPERATING COMPANY  
JUNCTION BOX FINAL REPORT**

427-109

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	F-29	F	29	19S	37E	LEA	Length 10	Width 8	Depth 4

LAND TYPE: BLM \_\_\_\_\_ STATE X FEE LANDOWNER \_\_\_\_\_ OTHER \_\_\_\_\_

Depth to Groundwater 17 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 03/01/2001 Date Completed 03/01/2001 OCD Witness NO

Soil Excavated 41 cubic yards Excavation Length 20 Width 8 Depth 7 feet

Soil Disposed 0 cubic yards Offsite Facility \_\_\_\_\_ Location \_\_\_\_\_

**FINAL ANALYTICAL RESULTS:** Sample Date 03/01/2001 Sample Depth 7'

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	<0.005	<0.005	<0.005	0.024	<50	<50	304
BOTTOM	<0.005	<0.005	0.005	<0.015	<50	<50	126

General Description of Remedial Action: Delineated lateral and vertical extent.

The wall sample was 346 ppm chlorides. Another 2' of wall was removed and resampled at 304 ppm chlorides. These results indicate a decline in chlorides. Installed a compacted clay barrier and water tight junction box and backfilled with blended top soil.

**CHLORIDE FIELD TESTS**

LOCATION	DEPTH	mg/kg
SIDEWALLS	2'	210
BOTTOM	6'	380
BOTTOM	7'	190

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

DATE March 1, 2001 PRINTED NAME Chris Rodriguez

SIGNATURE Chris Rodriguez TITLE Environmental Technician





# CARDINAL 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  
FAX TO:

Receiving Date: 03/02/01  
Reporting Date: 03/05/01  
Project Number: F-29-1&2  
Project Name: F29-1&2  
Project Location: U-29 SEC29-T19-R37

Sampling Date: 03/02/01  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: GP  
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		03/02/01	03/02/01	03/02/01	03/02/01
H5687-1	F-29-1-2 SIDES	<0.005	0.005	0.005	<0.015
H5687-2	F-29-1-2 BOTTOM	<0.005	<0.005	0.005	<0.015
Quality Control		0.112	0.107	0.110	0.323
True Value QC		0.100	0.100	0.100	0.300
% Recovery		112	107	110	108
Relative Percent Difference		2.8	2.0	3.5	5.8

METHOD: EPA SW-846 8260

*Burgess R. Coche*  
Chemist

*3/5/01*  
Date

H56875.XLS

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page \_\_\_\_ of \_\_\_\_

Company Name: Rice Operating Company

Project Manager: James Stuegill

Address: 122 W Taylor

City: Hobbs State: NM Zip: 88240

Phone #: (505) 393-9174 Fax #: \_\_\_\_\_

Project #: F-29-1-2 Project Owner: \_\_\_\_\_

Project Name: F-29-1-2 Sides and Bottoms

Project Location: U-29 Sec A9 T19-R37

Sampler Name: James Stuegill

FOR LAB USE ONLY

MATRIX

PRESERV

SAMPLING

Lab I.D. Sample I.D.

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

CRUDE OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

ANALYSIS REQUEST

PLEASE NOTE: Lab and Sample I.D. and chain of custody number must be printed on the front of the sample container. No chain of custody number shall be deemed valid unless made in writing and received by Cardinal within 30 days after completion of the applicable service. No event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of time, 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.

Sampler Relinquished:

Received By:

Phone Result: ☐ Yes ☐ No Add'l Phone #: \_\_\_\_\_  
Fax Result: ☐ Yes ☐ No Add'l Fax #: \_\_\_\_\_

REMARKS:

Relinquished By: James Stuegill

Date: 03-2-01

Time: 12:00

Date: 03/02/01

Time: 12:30

Received By: (Lab Staff) James Stuegill

Delivered By: (Circle One)

Sampler UPS - Bus - Other:

Sample Condition  
Cool Intact ☒ Yes ☒ No

CHECKED BY: (Initials)

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



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ANALYTICAL RESULTS FOR  
RICE OPERATING CO.  
ATTN: CHRIS RODRIQUEZ  
122 W. TAYLOR  
HOBBS, NM 88240  
FAX TO:

Receiving Date: 03/26/01  
Reporting Date: 03/28/01  
Project Number: NOT GIVEN  
Project Name: JCT F-29-1  
Project Location: E.M.E. SEC 29 T19S R37E

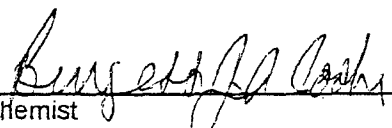
Sampling Date: 03/26/01  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC/AH

LAB NUMBER SAMPLE ID	GRO	DRO	Cl*
	(C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	(>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	(mg/Kg)
ANALYSIS DATE	03/27/01	03/27/01	03/27/01
H5737-1** WALL COMPOSITE	<50	<50	304
Quality Control	716	801	980
True Value QC	800	800	1000
% Recovery	89.5	100	98.0
Relative Percent Difference	1.7	1.9	1.0

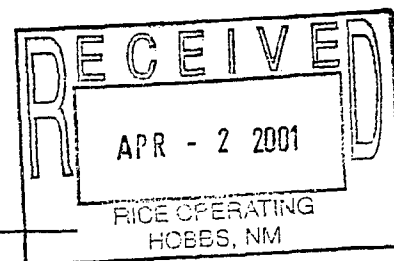
METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl\*: Std. Methods 4500-ClB

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

\*\* Analysis of sample 2 (Bottom) cancelled verbally on 03/27/01.

  
\_\_\_\_\_  
Chemist

3/28/01  
\_\_\_\_\_  
Date



H5737A.XLS

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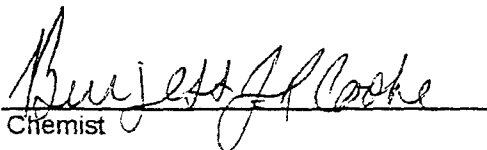
ANALYTICAL RESULTS FOR  
RICE OPERATING CO.  
ATTN: CHRIS RODRIQUEZ  
122 W. TAYLOR  
HOBBS, NM 88240  
FAX TO:

Receiving Date: 03/26/01  
Reporting Date: 03/28/01  
Project Number: NOT GIVEN  
Project Name: JCT F-29-1  
Project Location: E.M.E. SEC 29 T19S R37E

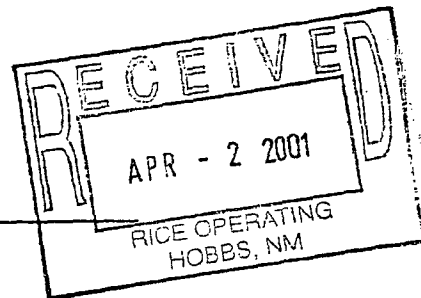
Sampling Date: 03/26/01  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		03/26/01	03/26/01	03/26/01	03/26/01
H5737-1	WALL COMPOSITE	<0.005	<0.005	<0.005	0.024
<del>H5737-2</del>	<del>BOTTOM</del>	<del>&lt;0.005</del>	<del>0.019</del>	<del>0.021</del>	<del>0.114</del>
Quality Control		0.108	0.105	0.106	0.317
True Value QC		0.100	0.100	0.100	0.300
% Recovery		108	105	106	106
Relative Percent Difference		2.2	0.9	2.7	2.4

METHOD: EPA SW-846 8260

  
Chemist

3/28/01  
Date



H5737B.XLS

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Phy

[illegible]

## BOX LOCATION

**TITLE** ENVIRONMENTAL TECHNICIAN



# ARDINAL LABORATORIES

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PHONE (505) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
RICE OPERATING CO.  
ATTN: JAMES STURGILL  
122 W. TAYLOR  
HOBBS, NM 88240  
FAX TO:

Receiving Date: 03/02/01  
Reporting Date: 03/05/01  
Project Number: F-29-1&2  
Project Name: F29-1&2  
Project Location: U-29 SEC29-T19-R37

Sampling Date: 03/02/01  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: GP  
Analyzed By: BC/AH

LAB NO.	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	CI* (mg/Kg)
		03/02/01	03/02/01	03/05/01
H5667-1	F-29-1-2 SIDES	<50	<50	348
H5667-2	F-29-1-2 BOTTOM	<50	<50	128
Quality Control		732	744	992
True Value QC		800	800	1000
% Recovery		91.6	93.0	99.2
Relative Percent Difference		8.2	2.1	3.9

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CFB  
\*Analyses performed on 1:4 w:v aqueous extracts.

*Burgett L. Coche*  
Chemist

*3/5/01*  
Date

H5667A.XLS  
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ANALYTICAL RESULTS FOR  
RICE OPERATING CO.  
ATTN: JAMES STURGILL  
122 W. TAYLOR  
HOBBS, NM 88240  
FAX TO:

Receiving Date: 03/02/01  
Reporting Date: 03/05/01  
Project Number: F-29-1&2  
Project Name: F29-1&2  
Project Location: U-29 SEC29-T19-R37

Sampling Date: 03/02/01  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: GP  
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		03/02/01	03/02/01	03/02/01	03/02/01
H5667-1	F-29-1-2 SIDES	<0.005	0.005	0.005	<0.015
H5667-2	F-29-1-2 BOTTOM	<0.005	<0.005	0.005	<0.015
Quality Control		0.112	0.107	0.110	0.323
True Value QC		0.100	0.100	0.100	0.300
% Recovery		112	107	110	108
Relative Percent Difference		2.6	2.0	3.5	5.8

METHOD: EPA SW-846 8260

Chemist

3/5/01  
Date

H5667B.XLS  
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## **CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

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ATTN: CHRIS RODRIQUEZ  
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HOBBS, NM 88240  
FAX TO:

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Reporting Date: 03/28/01  
Project Number: NOT GIVEN  
Project Name: JCT F-29-1  
Project Location: E.M.E. SEC 29 T19S R37E

Sampling Date: 03/26/01  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC/AH

LAB NUMBER SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	CI* (mg/Kg)
	03/27/01	03/27/01	03/27/01
H5737-1** WALL COMPOSITE	<50	<50	304
Quality Control	716	801	980
True Value QC	800	800	1000
% Recovery	89.5	100	98.0
Relative Percent Difference	1.7	1.9	1.0

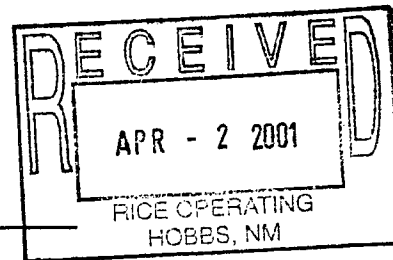
METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI'B

\*Analysis performed on a 1:4 w:v aqueous extract.

\*\* Analysis of sample 2 (Bottom) cancelled verbally on 03/27/01.

Chemist

Date



H5737A.XLS

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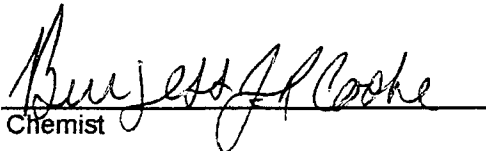
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FAX TO:

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Project Number: NOT GIVEN  
Project Name: JCT F-29-1  
Project Location: E.M.E. SEC 29 T19S R37E

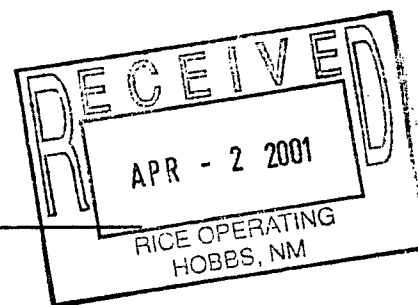
Sampling Date: 03/26/01  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		03/26/01	03/26/01	03/26/01	03/26/01
H5737-1	WALL COMPOSITE	<0.005	<0.005	<0.005	0.024
<del>H5737-2</del>	<del>BOTTOM</del>	<del>&lt;0.005</del>	<del>0.019</del>	<del>0.021</del>	<del>0.114</del>
Quality Control		0.108	0.105	0.106	0.317
True Value QC		0.100	0.100	0.100	0.300
% Recovery		108	105	106	106
Relative Percent Difference		2.2	0.9	2.7	2.4

METHOD: EPA SW-846 8260

  
Chemist

3/28/01  
Date



H5737B.XLS

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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