

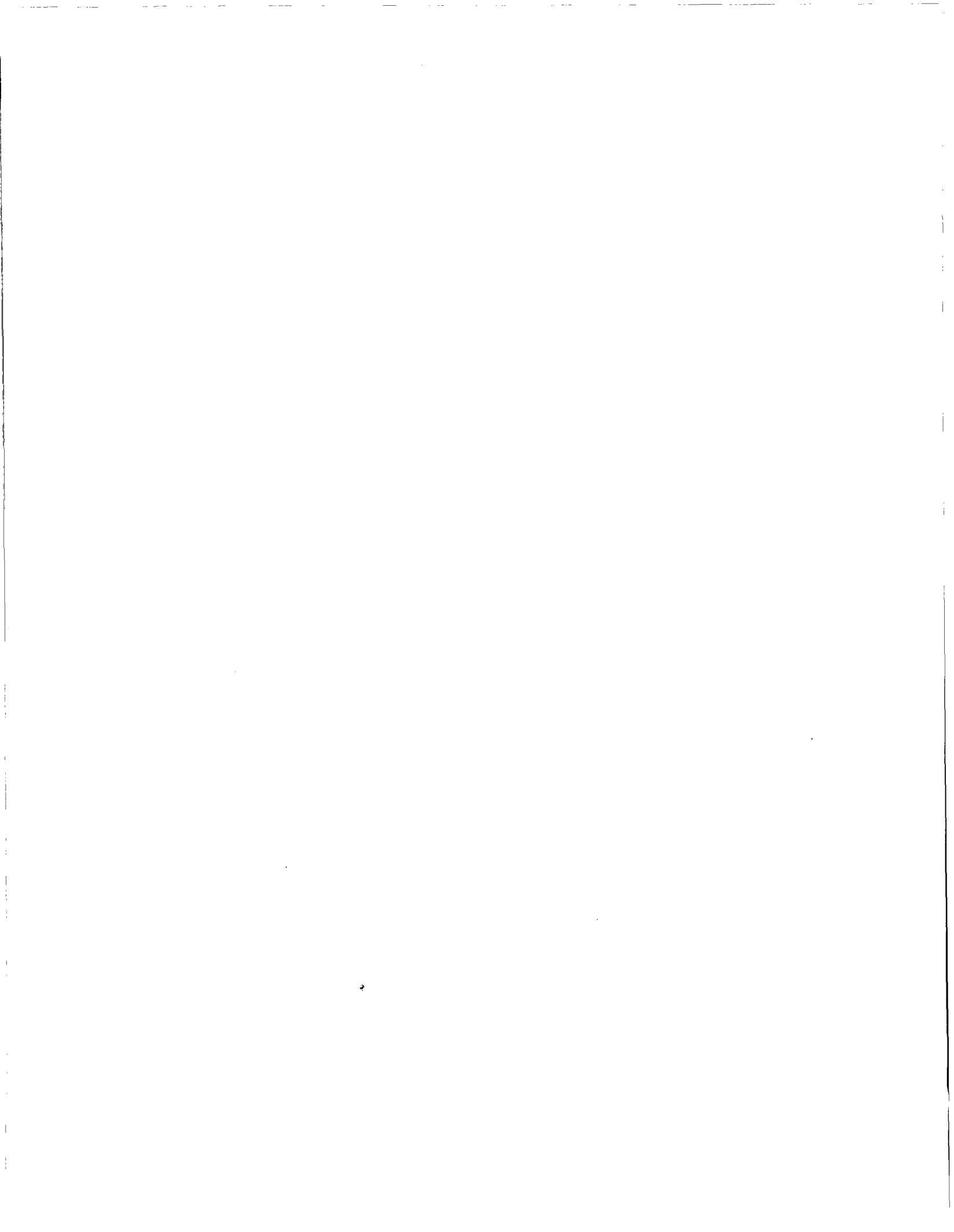
**1R - 427 - 109**

# **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		
							Length	Width	Depth
EME	F-29	F	29	19S	37E	LEA	10	8	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



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603  
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

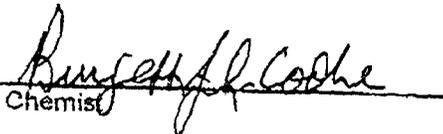
ANALYTICAL RESULTS FOR  
RICE OPERATING CO.  
ATTN: JAMES STURGILL  
122 W. TAYLOR  
HOBBS, NM 88240  
FAX TO:

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)
	ANALYSIS DATE	03/02/01	03/02/01	03/05/01
H5667-1	F-29-1-2 SIDES	<50	<50	346
H5667-2	F-29-1-2 BOTTOM	<50	<50	126
	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-CIB  
\*Analyses performed on 1:4 w:v aqueous extracts.

  
Chemist

3/5/01  
Date

H5667A.XLS  
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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

**H5687E.XLS**  
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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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Pice Operating Company  
Project Manager: James Sturgill

Address: 122 W Taylor  
City: Hobbs State: NM zip: 88240

Phone #: (505) 3939174 Fax #: \_\_\_\_\_  
Project #: F-29-1-2 Project Owner: \_\_\_\_\_

Project Name: F-29-1-2 Sides A and B bottoms  
Project Location: U-29 Sec R9 T19-R31

Sampler Name: James Sturgill  
FOR LAB USE ONLY

Lab I.D. \_\_\_\_\_ Sample I.D. \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:			
45667-1	F-29-1-2 Sides		1			✓				08/02		BTEX
-2	F-29-1-2 Bottom		1			✓				08/02		SOI5M
												CL

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Received By: \_\_\_\_\_ Date: 07/20/01 Time: 12:00

Received By: (Lab Staff) \_\_\_\_\_ Date: 07/20/01 Time: 12:30

Delivered By: (Circle One) UPS - Bus - Other: \_\_\_\_\_

Sample Condition: Cool  Intact  Yes  No  No

Checked By: (Initials) \_\_\_\_\_

REMARKS: \_\_\_\_\_

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



# ARDINAL LABORATORIES

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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

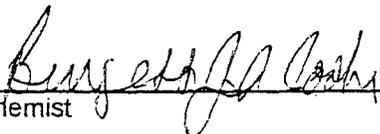
Sampling Date: 03/26/01  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC/AH

LAB NUMBER SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	Cl* (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

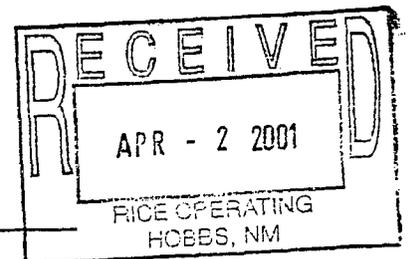
METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB

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

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

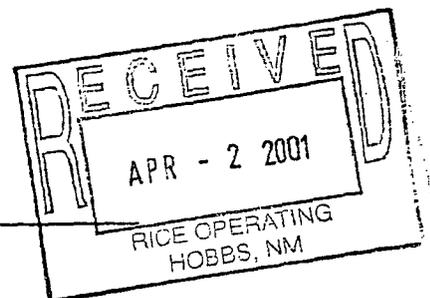
Sampling Date: 03/26/01  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: BC  
 Analyzed By: BC

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

*Burgett A. Cooke*  
 Chemist

3/28/01  
 Date



H5737B.XLS  
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**RICE OPERATING COMPANY  
JUNCTION BOX FINAL REPORT**

**BOX LOCATION**

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

LAND TYPE: BLM  STATE  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 none

Soil Excavated none cubic yards Excavation Length 20' Width 8' Depth 4' feet

Soil Disposed none cubic yards Offsite Facility none Location none

**FINAL ANALYTICAL RESULTS:** Sample Date 01-Mar-01 Sample Depth 7' feet

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	<0.015	<50	<50	304 ppm
BOTTOM	<0.005	<0.005	0.005	<0.015	<50	<50	126 ppm

General Description of Remedial Action: Delineate vertical and lateral extent to

below the NMOCD guidelines. Installed a compacted clay liner and a water tight

Junction box then backfilled.

**CHLORIDE FIELD TESTS**

LOCATION	DEPTH	Chlorides
Sidewalls	2'	210 ppm
Bottom	6'	380 ppm
Bottom	7'	190 ppm

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

DATE 01-Mar-01 PRINTED NAME Chris Rodriguez

SIGNATURE Chris Rodriguez 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)
	ANALYSIS DATE	03/02/01	03/02/01	03/05/01
H5667-1	F-29-1-2 SIDES	<50	<50	346
H5667-2	F-29-1-2 BOTTOM	<50	<50	126
	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: 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

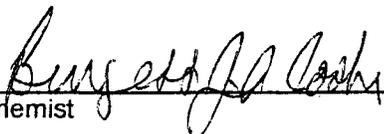
Sampling Date: 03/26/01  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC/AH

LAB NUMBER SAMPLE ID	GRO	DRO	CI*
	(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

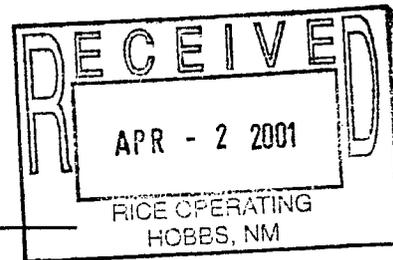
METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI'B

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

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

  
\_\_\_\_\_  
Chemist

3/29/01  
\_\_\_\_\_  
Date



H5737A.XLS

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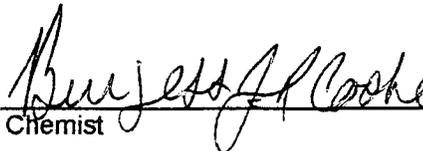
ANALYTICAL RESULTS FOR  
RICE OPERATING CO.  
ATTN: CHRIS RODRIQUEZ  
122 W. TAYLOR  
HOBBS, NM 88240  
FAX TO:

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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