

1R - 426-70

REPORTS

DATE:

1/09/2001

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

1R-426-70

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
BD	F-32	F	32	21S	37E	LEA	10'	5'	6'

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

Depth to Groundwater 90 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 12/09/2000 Date Completed 01/02/2001 OCD Witness NO

Soil Excavated 56 cubic yards Excavation Length 12' Width 7' Depth 18' feet

Soil Disposed 0 cubic yards Offsite Facility _____ Location _____

FINAL ANALYTICAL RESULTS: Sample Date 01/09/2001 Sample Depth 18'

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	< 0.002	< 0.002	< 0.002	< 0.006	<50	81.5	1530
BOTTOM	< 0.002	< 0.002	< 0.002	< 0.006	<50	<50	2920

General Description of Remedial Action: Delineated laterally and vertically to 18' bgs.

Chlorides dropped from 4800 ppm at 8' to 2400 ppm at 18' according to field tests. This delineation demonstrates impact probably stopped before reaching groundwater. A compacted clay liner and water tight junction box was installed. Backfilled with blended top soil.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	6'	1800
BOTTOM	8'	4800
	13'	2950
	15'	3700
	18'	2400

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

DATE January 9, 2001 PRINTED NAME James Sturgill
SIGNATURE *James Sturgill* TITLE Environmental Technician



**ARDINAL
LABORATORIES**

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: 01/02/01
Reporting Date: 01/04/01
Project Number: NOT GIVEN
Project Name: F-32 BOTTOM-18' AND SIDES
Project Location: F-SEC32 T21S R37E BD

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

LAB NUMBER	SAMPLE ID	GRO (C ₅ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
	ANALYSIS DATE	01/03/01	01/03/01	01/04/01
H5487-1	F-32 BOTTOM	<50	<50	2920
H5487-2	F-32 SIDES	<50	81.5	1530
	Quality Control	929	1049	1004
	True Value QC	1000	1000	1000
	% Recovery	92.9	105	100
	Relative Percent Difference	8.5	7.8	7.2

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

Burgess J. Cooke
Chemist

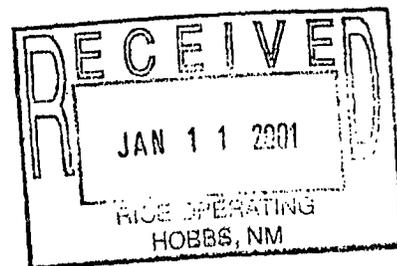
1/4/01
Date

H5487A.XLS
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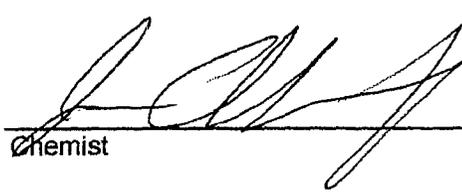
ANALYTICAL RESULTS FOR
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 ATTN: JAMES STURGILL
 122 W. TAYLOR
 HOBBS, NM 88240
 FAX TO:

Receiving Date: 01/02/01
 Reporting Date: 01/05/01
 Project Number: F-32 BOTTOM
 Project Name: F-32 BOTTOM-18' AND SIDES
 Project Location: F - SEC 32 T21S R32E BD

Sampling Date: 01/02/01
 Sample Type: SOIL
 Sample Condition: COOL, INTACT
 Sample Received By: BC-HOBBS
 Analyzed By: JA

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		01/04/01	01/04/01	01/04/01	01/04/01
H5487-1	F-32 BOTTOM	<0.002	<0.002	<0.002	<0.006
H5487-2	F-32 SIDES	<0.002	<0.002	<0.002	<0.006
Quality Control		0.092	0.096	0.087	0.262
True Value QC		0.100	0.100	0.100	0.300
% Accuracy		92	96	87	87
Relative Percent Difference		4.9	2.8	2.4	2.3

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



 Chemist

1-5-01

 Date

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H5487SHOBBSRICEBTEXONLY

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES, INC.

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

BILL TO		ANALYSIS REQUEST																																													
Company Name: <u>Rice Operating</u>		P.O. #:																																													
Project Manager: <u>James Stuegill</u>		Company:																																													
Address: <u>122 W Taylor</u>		Attn:																																													
City: <u>Nodds</u> State: <u>NM</u> Zip: <u>88240</u>		Address:																																													
Phone #: <u>3934174</u> Fax #:		City:																																													
Project #: <u>F-32 Bottom Project Owner:</u>		State:																																													
Project Name: <u>F-32 Bottom - 18' Awd sides</u>		Phone #:																																													
Project Location: <u>F-see 32 T215 P32E BD</u>		Fax #:																																													
Sampler Name: <u>James Stuegill</u>																																															
<small>FOR LAB USE ONLY</small>																																															
Lab I.D. <u>4587-</u> <u>HS10-1</u> <u>-2</u>	Sample I.D. <u>F-32 Bottom</u> <u>F-32 sides</u>	DATE <u>off day</u>	TIME																																												
				<u>XX RICE OPERATING</u>																																											
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">MATRIX</th> <th>PRESERV</th> <th>SAMPLING</th> </tr> <tr> <td>(G)RAB OR (C)OMP</td> <td># CONTAINERS</td> <td></td> <td></td> </tr> <tr> <td>GROUNDWATER</td> <td></td> <td></td> <td></td> </tr> <tr> <td>WASTEWATER</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SOIL</td> <td></td> <td></td> <td></td> </tr> <tr> <td>CRUDE OIL</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SLUDGE</td> <td></td> <td></td> <td></td> </tr> <tr> <td>OTHER:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>ACID/BASE:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>ICE / COOL</td> <td></td> <td></td> <td></td> </tr> <tr> <td>OTHER:</td> <td></td> <td></td> <td></td> </tr> </table>		MATRIX		PRESERV	SAMPLING	(G)RAB OR (C)OMP	# CONTAINERS			GROUNDWATER				WASTEWATER				SOIL				CRUDE OIL				SLUDGE				OTHER:				ACID/BASE:				ICE / COOL				OTHER:				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: <u> </u> Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: <u> </u>	
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† Cardinal cannot accept verbal changes. Please fax written changes to 605-393-2476.



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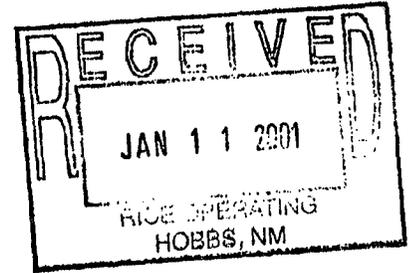
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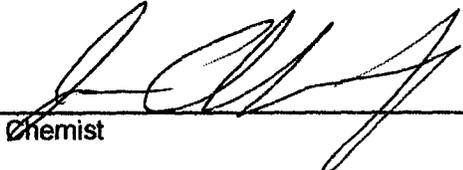
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