

1R - 428-1

REPORTS

DATE:

Dec 30, 2002

IR-428-1

FINAL REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Hobbs	O-32	O	32	18 S	38 E	Lea	Length no box	Width XXX	Depth XXX

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Armstrong Construction OTHER _____

Depth to Groundwater <50 feet NMOC SITE ASSESSMENT RANKING SCORE: 20

Date Started 8/23/2002 Date Completed 12/30/2002 OCD Witness No

Soil Excavated 0 cubic yards Excavation Length _____ Width _____ Depth _____ feet

Soil Disposed 0 cubic yards Offsite Facility Junction Box Location Hobbs

FINAL ANALYTICAL RESULTS: Sample Date 8/23/2002 Sample Depth 3'

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 NMOC 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	<10.0	30.9	128
BOTTOM	<0.005	<0.005	<0.005	<0.015	<10.0	37.2	256
REMEDIED	n/a	n/a	n/a	n/a	n/a	n/a	n/a

General Description of Remedial Action: This junction box is part of

the Hobbs system abandonment, therefore a new box is not required. The box did not

exhibit any visible signs of impact. Field tests of bottom and wall composite samples found

minimal impact below NMOC guidelines. The box lumber was removed and the hole

was backfilled with clean soil and contoured to the surrounding landscape.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	ppm
Bottom Comp.	3'	239
Wall Comp.	2'	87

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

DATE December 30, 2002 PRINTED NAME D. E. Anderson

SIGNATURE  TITLE Projects Leader-Environmental



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: 09/09/02
Reporting Date: 09/11/02
Project Owner: RICE
Project Name: JUNCTION O-32
Project Location: HOBBS SWD SYSTEM

Sampling Date: 08/23/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC/AH

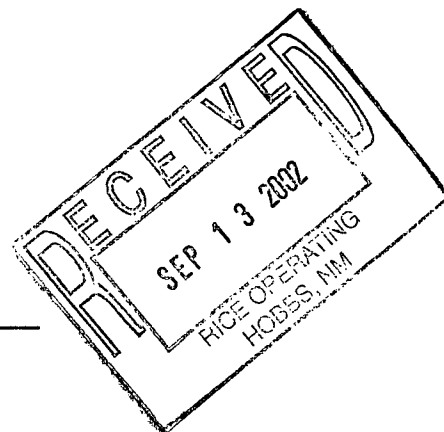
LAB NO.	SAMPLE ID	GRO	DRO	Cl*
		(C ₆ -C ₁₀) (mg/Kg)	(>C ₁₀ -C ₂₈) (mg/Kg)	(mg/Kg)
ANALYSIS DATE		09/10/02	09/10/02	09/10/02
H7014-1	WALL COMPOSITE	<10.0	30.9	128
H7014-2	BOTTOM COMPOSITE	<10.0	37.2	256
Quality Control		779	836	970
True Value QC		800	800	1000
% Recovery		97.4	104	97.0
Relative Percent Difference		2.4	4.8	1.0

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

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

Chemist

Date



H7014A.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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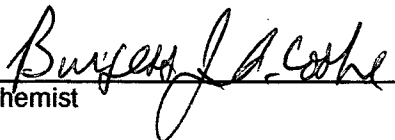
ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: CHRIS RODRIGUEZ
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 09/09/02
Reporting Date: 09/11/02
Project Owner: RICE
Project Name: JUNCTION O-32
Project Location: HOBBS SWD SYSTEM

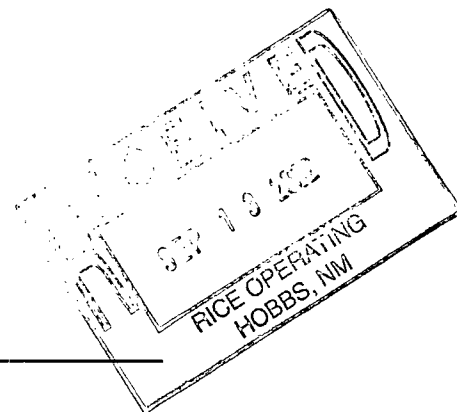
Sampling Date: 08/23/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		09/10/02	09/10/02	09/10/02	09/10/02
H7014-1	WALL COMPOSITE	<0.005	<0.005	<0.005	<0.015
H7014-2	BOTTOM COMPOSITE	<0.005	<0.005	<0.005	<0.015
Quality Control		0.105	0.110	0.107	0.306
True Value QC		0.100	0.100	0.100	0.300
% Recovery		105	110	107	102.0
Relative Percent Difference		5.6	10.5	4.7	3.9

METHOD: EPA SW-846 8260


Chemist

9/11/02
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, 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

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BILL TO										ANALYSIS REQUEST									
Company Name: Rice Operating Co. Project Manager: Chris Rodriguez Address: 122 W. Taylor City: Houston State: NM Zip: 88240 Phone #: (505) 593-9174 Fax #: (505) 397-1471 Project #: Project Name: Junction 0-3A Project Location: Hobbs SWU System Sampler Name: Composite Samples										P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:									
Sample I.D. 17014-1 Well Composite 2 Bottom Composite										Sample I.D. 8-23-08 1:30pm 8-23-08 1:30pm									
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+ Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.