

AP - 47

**STAGE 1 & 2
REPORTS**

DATE:

JAN. 17, 2003

BD F-17

/R-426-14

DISCLOSURE REPORT

**RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE FORM ***

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
BD	F-17	F	17	21S	37E	Lea	Length	Width	Depth
							Box has been moved 45 ft south		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Millard Deck Estate OTHER _____

Depth to Groundwater 72 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 9/17/2002 Date Completed not complete OCD Witness No

Soil Excavated 175 cubic yards Excavation Length 20 Width 20 Depth 12 feet

Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a

FINAL ANALYTICAL RESULTS: Sample Date n/a Sample Depth n/a

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
Vertical @ 12 ft	<0.005	0.009	<0.005	<0.015	<10.0	724	1040

General Description of Remedial Action: Site was delineated vertically and laterally with a backhoe. Chloride impact was consistent vertically, while TPH was visible to 11' bgs.

The site was bored on 11/18/02 and chloride was found to impact groundwater with no indications of TPH. A cased monitor well was installed and the groundwater has been sampled and analyzed quarterly (see annual groundwater report for results). ROC has contracted a hydrologic consultant to assist ROC in developing a remediation plan for the vadose zone at groundwater-impacted sites with the ultimate objective being final closure. The excavation has been backfilled and the junction moved 45 ft south of this site.

ADDITIONAL EVALUATION IS MEDIUM PRIORITY.

enclosures: chloride curve, well log, photos, lab results

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
Vertical	3	6001
	5	1591
	11	1749
	13	3273
10' S **	7	2401
	11	4278
Soil Bore	20	5197
	50	2133
	70	1209
	75	425

** During excavation of this site, an older box was found; The bore was conducted close to this box

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

DATE 11/7/2003 PRINTED NAME Kristin Farris

SIGNATURE *Kristin Farris* TITLE Project Scientist

*** This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.**

BD jct. F-17



Junction Looking North 10/16/2002



Delineation Trench at Junction 10/16/2003



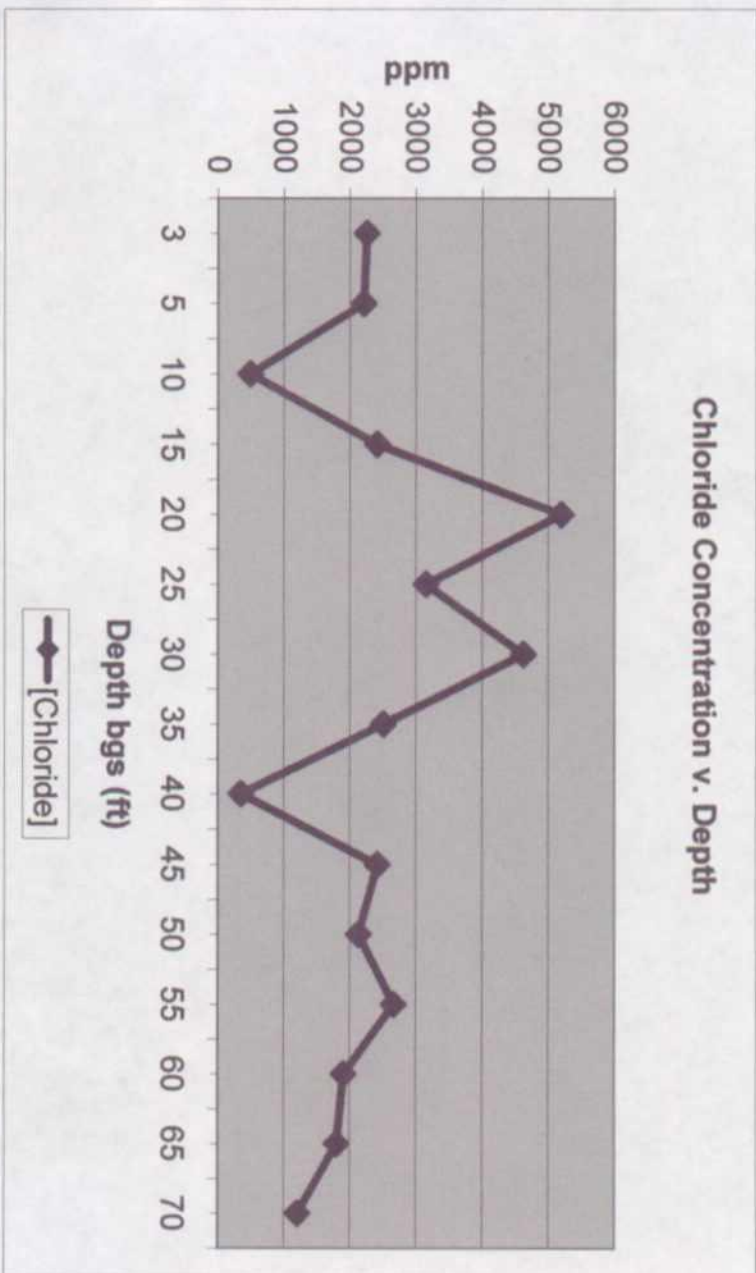
New Junction Box Looking North (monitor well in background; T-post indicating old junction marker)

BD jct. F-17

T21S, R37E

Depth bgs (ft)	[Cl ⁻] ppm
3	2256
5	2212
10	492
15	2412
20	5197
25	3152
30	4628
35	2508
40	352
45	2420
50	2133
55	2665
60	1905
65	1800
70	1209

Groundwater = 72 ft



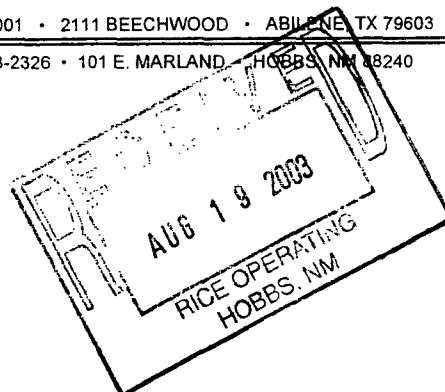


ARDINAL LABORATORIES

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

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



Receiving Date: 08/13/03
Reporting Date: 08/15/03
Project Number: NOT GIVEN
Project Name: F 17
Project Location: BD

Sampling Date: 08/13/03
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C ₆ -C ₁₀) (mg/Kg)	(>C ₁₀ -C ₂₈) (mg/Kg)	(mg/Kg)
ANALYSIS DATE		08/14/03	08/14/03	08/14/03
H7912-1	12' VERTICAL	<10.0	724	1040
Quality Control		779	752	1000
True Value QC		800	800	1000
% Recovery		97.3	94.0	100
Relative Percent Difference		0.7	8.1	3.0

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.

Bryant R. Cosh
Chemist

8/15/03
Date

H7912A.XLS

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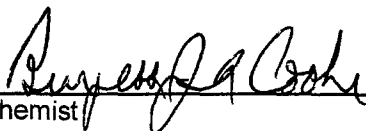
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Project Number: NOT GIVEN
Project Name: F 17
Project Location: BD

Sampling Date: 08/13/03
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		08/14/03	08/14/03	08/14/03	08/14/03
H7912-1	12' VERTICAL	<0.005	0.009	<0.005	<0.015
Quality Control		0.100	0.097	0.097	0.288
True Value QC		0.100	0.100	0.100	0.300
% Recovery		100	96.8	96.6	96.0
Relative Percent Difference		1.6	2.1	1.2	1.8

METHOD: EPA SW-846 8260


Chemist

8/15/03
Date

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H7912B.XLS

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Page _____ of _____

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

DRILLING LOG	Site Name/Location	BORING/WELL INFORMATION			Logged by: Eades
RICE Operating Company 122 West Taylor Hobbs, New Mexico 88240 (505) 393-9174	Jct. F-17 17-T21S-R37E BD SWD System Lea County, NM	Well No. M W 1	Date Drilled: 11-18-02	Driller: Eades	Completion: Packed with bentonite; grouted at surface.
		Well Depth: 85'	Boring Depth: 85'	Well Material: PVC	
		Casing Length: 88'	Boring Diameter: 2"	Casing Size: 2"	
		Screen Length: 20'	Drilling Method: Air Rotary	Slot Size: N/A	

Test Results (ppm)

DEPTH	SUBSURFACE LITHOLOGY	SAMPLE TYPE	CI	TPH	REMARKS	Boring
0	Ground surface		Titrate	EPA 418.1		
	Top Soil					
5	Caliche	Grab	2,212		grout	
10	Tan caliche and loam chunks	Grab	492			
15	Sand	Grab	2,412			
20	Red sand	Grab	5,197			
21	Sand and Sandstone Stringers					
25	Red Sand	Grab	3,152			
30	Tan caliche powder	Grab	4,628			
34	Sand					
35	Tan sand	Grab	2,508			
36	Sand and Sandstone Stringers				bentonite	
40	Tan Sand	Grab	352			
45	Tan Sand	Grab	2,420			
50	Reddish-brown sand	Grab	2,133			
55	Sandy Gravel	Grab	2,665			
60	Reddish-brown sand	Grab	1,905			
64	Sand and Sandstone Stringer					
65	Tan sand and Caliche	Grab	1,800			
70	Tan sand and caliche moist	Grab	1,209		screen	
75	Tan sand with rocks, moist	Grab	425			
80					water	
85	Sand and Sandstone Stringers					