

1R - 426-112

## REPORTS

DATE:

2/16/2006

BD Jet K-21-1

1R0426-112

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# Final Report

**RICE OPERATING COMPANY  
JUNCTION BOX FINAL REPORT**

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
BD	jct. K-21-1	K	21	21S	37E	Lea	Length	Width	Depth
							moved 23 ft south		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Wantz Estate OTHER \_\_\_\_\_

Depth to Groundwater 70 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 6/11/2004 Date Completed 6/14/2004 NMOCD Witness no

Soil Excavated 21 cubic yards Excavation Length \_\_\_\_\_ Width \_\_\_\_\_ Depth 12 feet  
*2 trenches 12 ft deep*

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

**FINAL ANALYTICAL RESULTS:** Sample Date 6/11/2004 Sample Depth 12 ft

TPH and chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

**CHLORIDE FIELD TESTS**

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
GRAB @ JCT (source)	0.1	<10.0	<10.0	288
GRAB @ 5 ft EAST	0.1	<10.0	<10.0	64

LOCATION	DEPTH (ft)	ppm
delineation trench at junction (source)	4	139
	6	280
	8	290
	10	230
	12	280
5 ft EAST of junction	4	248
	6	286
	8	257
	10	219
	12	296

General Description of Remedial Action: This junction box was addressed with the junction box upgrade program. This junction was moved 23 ft south and a new watertight junction box was built in that location. This former box location was delineated using 2 trenches to a depth of 12 ft using a backhoe. Soil samples were collected at regular intervals and field-tested for chloride and VOCs using a PID. All chloride concentrations were very low and similar to background concentration. PID concentrations were also very low—all 0.1 ppm. The excavated soil was blended on site and then backfilled back into the trenches and contoured to the surrounding terrain. The disturbed surface is expected to return to productive capacity at a normal rate.

enclosures: photos, lab results, PID field screenings

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

SITE SUPERVISOR Joe Gatts SIGNATURE not available COMPANY Rice Operating

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope  
DATE 2/16/2006 TITLE Project Scientist



## BD jct. K-21-1



floor of new jct. box 23 ft south of former

12/9/2003



new box complete 23 ft south of former location

12/12/2003



vertical delineation at former junction box

6/11/2004



delineation trench 5 ft east of junction

6/11/2004



# ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR  
RICE OPERATING CO.  
ATTN: J. GATTS  
122 W. TAYLOR  
HOBBS, NM 88240  
FAX TO: (505) 393-1471

Receiving Date: 06/11/04  
Reporting Date: 06/14/04  
Project Number: NOT GIVEN  
Project Name: K-21-1  
Project Location: BD

Sampling Date: 06/11/03  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: AH  
Analyzed By: BC/HM

COPY

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)
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ANALYSIS DATE	06/11/04	06/11/04	06/14/04
H8822-1 SOURCE @ 12' BGS	<10.0	<10.0	288
H8822-2 5' EAST @ 12' BGS	<10.0	<10.0	64
Quality Control	804	793	1020
True Value QC	800	800	1000
% Recovery	101	99.2	102
Relative Percent Difference	1.6	1.1	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.

Bryant A. Cochrane  
Chemist

6/14/04  
Date

H8822.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.

**ARDINAL LABORATORIES, INC.**

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↑ Cardinal cannot accept verbal changes. Please fax written changes to (916) 673-7020.

TESTING COMPANY  
122 WEST TAYLOR  
HOBBS, NEW MEXICO 88240  
PHONE: (505) 393-9174 FAX: (505) 397-1471  
**VOC FIELD TEST REPORT FORM**  
MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S  
CALIBRATION GAS  
GAS COMPOSITION: ISOBUTYLENE  
AIR

LOT NO: 02-22-30  
EXP. DATE: 11/20/04  
METER READING  
ACCURACY: 100.1

SERIAL NO: 104412

100 PPM  
BALANCE  
FILL DATE: 5/20/03  
ACCURACY: ± 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
BD	K-21-1	K	21	21	37

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Source 4'	1.1		
Source 6'	0.1		
Source 8'	0.1		
Source 10'	0.1		
Source 12'	0.1		
5' East 4'	0.1		
5' East 6'	0.1		
5' East 8'	0.1		
5' East 10'	0.1		
5' East 12'	0.1		

I certify that I have calibrated the above instrument in accordance to the manufacture operation manual.

J. Ratts  
Signature

6/11/04  
Date