

1R - 426-90

REPORTS

DATE:

7/27/2004

BD Jct C-2-1

1R0 426-90

FINAL REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
BD	C-2-1	C	2	22S	37E	Lea	Length	Width	Depth
							No Box--eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER W. M. Owen Stephens OTHER _____

Depth to Groundwater 50 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 4/23/2004 Date Completed 5/24/2004 OCD Witness No

Soil Excavated 400 cubic yards Excavation Length 30 Width 30 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 5/4/2004 Sample Depth 12 ft

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. 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
SIDEWALLS	0.0	<10.0	<10.0	64
BOTTOM	0.0	<10.0	<10.0	112
REMEDiated	0.0	<10.0	<10.0	112
Vertical @ 20 ft BGS	0.0	<10.0	<10.0	448

LOCATION	DEPTH (ft)	ppm
Vertical	8	395
at Source	9	611
	10	599
	11	643
	12	729
	13	845
	14	818
	16	845
	18	670
	20	347
15 ft North	12	115
15 ft South	14	144
15 ft East	12	109
15 ft West	12	642
4-wall comp.	n/a	189
bottom comp.	12	415
backfill	n/a	296

General Description of Remedial Action: This junction has been eliminated
and was located in pasture land with healthy vegetation. The site was delineated with a backhoe while PID field screenings and chloride field tests were conducted at regular intervals. Vertical delineation at the source yielded at conclusive trend of chloride declination to 20 ft bgs, indicative of non-saturated vadose conditions. Chloride concentrations also exhibited lateral declines in chloride concentrations. All PID readings were 0.0 ppm and lab results confirm TPH concentrations well below NMOCD guidelines. The excavated soil was blended and backfilled into the 30 x 30 x 12-ft deep excavation. The surface was contoured to the surrounding landscape and has been seeded with a blend of native vegetation and will be monitored for growth.

enclosures: chloride graph, diagram, photos, lab results, PID results

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

SITE SUPERVISOR Joe Gatts SIGNATURE *Joe Gatts* COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE *Kristin Farris Pope*

DATE 7/27/2004 TITLE Project Scientist

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page 1



undisturbed junction box 7/14/2003



new plumbing; junction removed 7/16/2003



delineation & excavation April 2004

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page 2

backfilling & compacting
May 2003



seeding backfilled location 5/24/2004

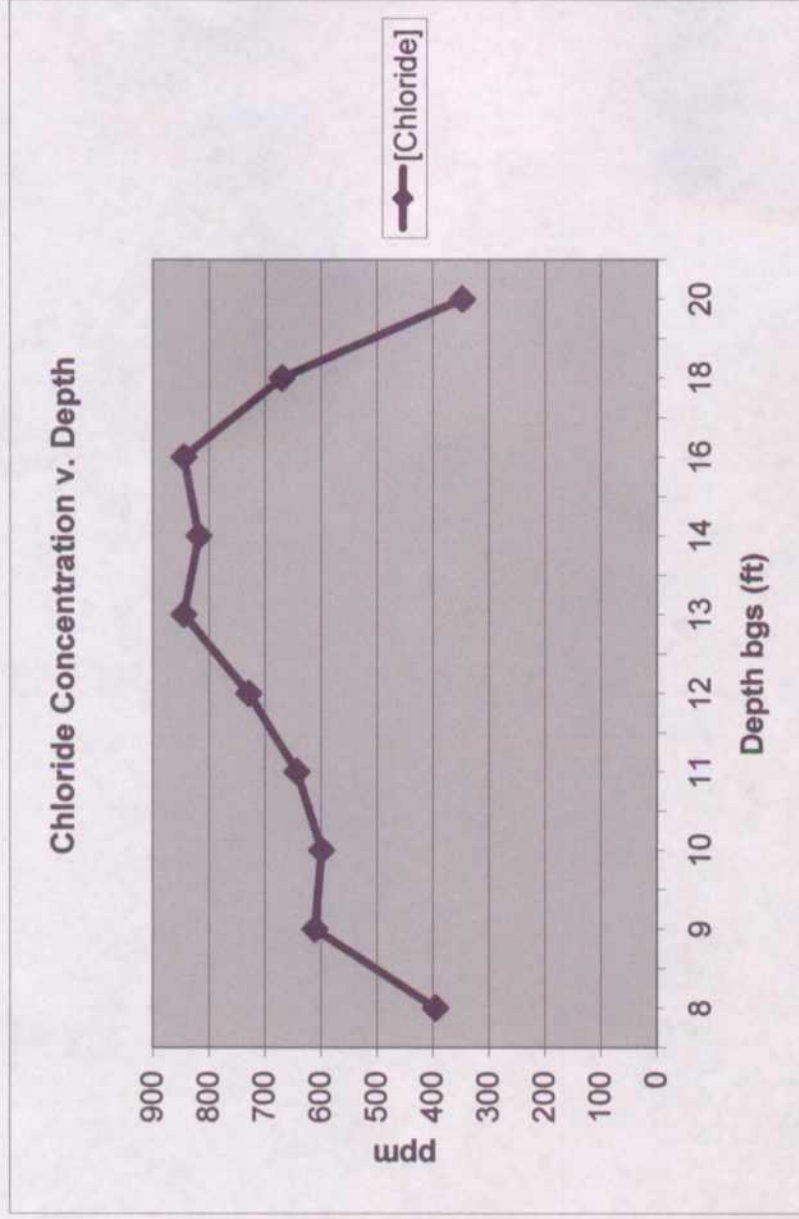
BD jct. C-2-1

T22S, R37E

Vertical Delineation at Source

Depth bgs (ft)	[Cl ⁻] ppm
8	395
9	611
10	599
11	643
12	729
13	845
14	818
16	845
18	670
20	347

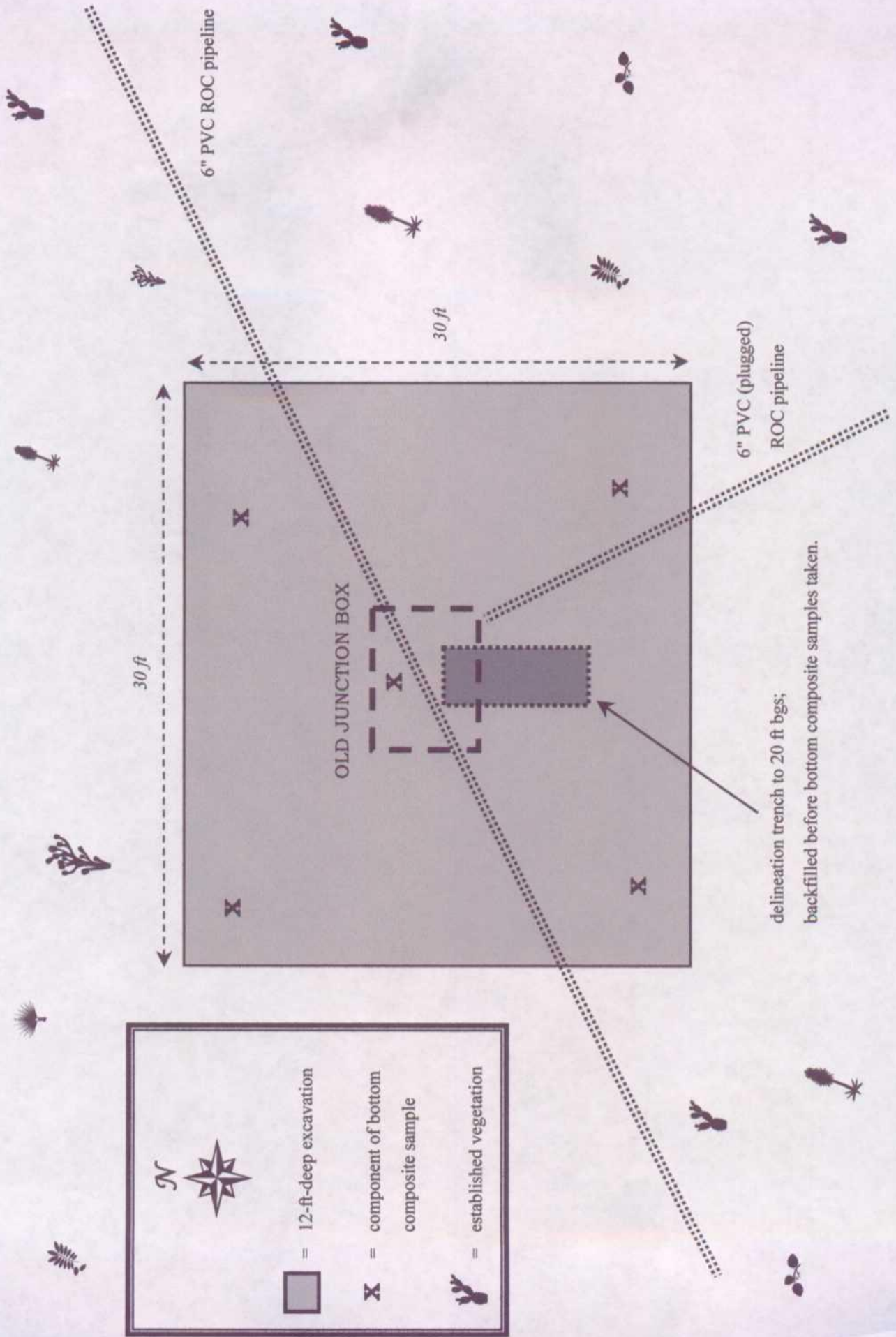
Groundwater = 50 ft



BD jct. C-2-1

30 x 30 x 12 ft Excavation

T22S, R37E





CARDINAL 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: KRISTIN FARRIS
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 05/05/04
Reporting Date: 05/06/04
Project Number: NOT GIVEN
Project Name: C-2-1
Project Location: BD

Sampling Date: 05/05/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
ANALYSIS DATE		05/05/04	05/05/04	05/06/04
H8671-1	BOTT. COMP. 12' BGS	<10	<10	112
H8671-2	REMD. BACKFILL	<10	<10	112
H8671-3	4 WALL COMP.	<10	<10	64
H8671-4**	20' BGS AT SOURCE	<10	<10	448
Quality Control		737	746	1010
True Value QC		800	800	1000
% Recovery		92.2	93.3	101
Relative Percent Difference		6.0	7.8	3.0

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

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

**Sampling Date: 04/28/04

Bryan J. Cooke
Chemist

5/6/04
Date

H8671.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.

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

to shore

ANALYSIS REQUEST													
BILL TO													
Company Name: RICE Operating		P.O. #:		Company:									
Project Manager: Kristin Farris				Attn:									
Address: 122 W. Taylor		State: NM		Zip: 88240									
City: Hobbs		Phone #: (505) 393-9174		Fax #: (505) 397-1471									
Project #: C-2-1		Project Owner:											
Project Name: C-2-1													
Project Location: NO													
Sampler Name: K. Farris													
FOR LAB USE ONLY													
Lab I.D.	Sample I.D.	(G) RAB OR (COMP)	GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER:	DATE	TIME
H66071-1	Bott. Comp 12' bgs	C 1			X							5/5/04	9:00
-2	Remnd Backfill	C 1			X							5/5/04	9:30
-3	4 WALL COMP	C 1			X							5/5/04	9:15
-4	20' bgs at Source	G 1			X							4/28/04	1200
<p>PLEASE NOTE: Liberty and Deming, Chandler's liability and client's satisfaction remain for any claim arising whether caused in part, shall be limited to the amount paid by the client for the analysis. No claims for negligence and any other claims whatsoever shall be deemed waived unless made in writing and received by Chandler within 30 days after completion of the applicable service. In no event shall Chandler be held responsible for consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client. No substitution, addition or omission of any test or method of analysis shall be made without the written consent of the client. The client agrees to indemnify and hold Chandler harmless for any and all claims, damages, losses, and expenses, including attorney's fees, arising out of or from the use of the service, whether or not caused in whole or in part by the negligence of Chandler or its employees, agents, or subcontractors.</p>													
<p>Sampler Requisitioned:</p> <p>Requisitioned By: Kristin Farris</p> <p>Time: 5/5/04</p> <p>Date: 5/5/04</p> <p>Time: 4:00</p> <p>Received By: (Lab Staff)</p> <p>Checked By: (Initials)</p> <p>Delivered By: (Circle One)</p> <p>Sampler - UPS - Bus - Other: Sampler</p>													

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

05/0

RICE OPERATING 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: 02-22-70
EXP. DATE: 11/20/04
METER READING
ACCURACY: 99.8

SERIAL NO: 104412
100 PPM
BALANCE
FILL DATE: 5/20/03
ACCURACY: + or - 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
BD	C-2-1	C	2	22	37

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Source 6'	0	Source 19'	0
Source 7'	0	Source 20'	0
Source 8'	0	5' South 6'	0
Source 9'	0	5' South 7'	0
Source 10'	0	5' South 8'	0
Source 11'	0	5' South 9'	0
Source 12'	0	5' South 10'	0
Source 13'	0	5' South 11'	0
Source 14'	0	5' South 12'	0
Source 15'	0	10' North 5'	0
Source 16'	0	10' North 6'	0
Source 17'	0	10' North 7'	0
Source 18'	0	10' North 8'	0

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

J. Smith
Signature

8/28/04
Date

RICE OPERATING 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

SERIAL NO: 104412

CALIBRATION GAS

GAS COMPOSITION: ISOBUTYLENE

100 PPM

AIR

BALANCE

LOT NO: 02-22-30FILL DATE: 5/20/04EXP. DATE: 11/20/04ACCURACY: + or - 2%

METER READING

ACCURACY: 99.8

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
BD	C-2-1	C	2	22	37

SAMPLE	PID RESULT	SAMPLE	PID RESULT
N. WALL	0		
S. WALL	0		
E. WALL	0		
W. WALL	0		
4 WALL COMP	0		
Batt. Comp	0		
REMD Backfill	0		

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

Joe Batts
Signature

5/15/04
Date