1R - 426-103

REPORTS

DATE:

7/19/2004

DISCLOSURE

REPORT

RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
BD	H-14 boot	H	14	22S	37E	Lea	eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Leo V. Sims OTHER _____

Depth to Groundwater 65 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20 *

Date Started 5/17/2004 Date Completed 6/8/2004 OCD Witness No

Soil Excavated 304 cubic yards Excavation Length 38 Width 36 Depth 6 feet

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

FINAL ANALYTICAL RESULTS: **Sample Date** 5/21/2004 **Sample Depth** 6 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.

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
SIDEWALLS	6.7	<10.0	<10.0	576
BOTTOM	0.1	<10.0	<10.0	896
REMEDIATED	5.2	<10.0	<10.0	240

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
Vertical	8	925
at source	9	848
	10	1049
	11	1949
	12	3190
15 ft South	2	905
	4	2366
	6	2691
	8	906
	10	2445
	12	5384
15 ft West	8	1475
	9	1219
	10	3098
	11	2352
	12	3186
4-wall comp.	n/a	786
bottom comp.	6	942
remed. comp.	n/a	680

General Description of Remedial Action: This junction contained a boot and was one of a three-box cluster in close proximity. Delineation trenches were made with a backhoe to 12 ft as chloride field tests and PID field screenings were conducted at regular intervals. Chloride concentrations did not exhibit a trend of decline with depth or breadth within the excavation. PID readings were minimal and lab results confirmed TPH concentrations well below NMOCD guidelines. A compacted clay barrier was installed in the 38 x 36 x 6-ft-deep excavation and the excavated soil was blended and backfilled on top of the clay (see diagram). An identification plate was set on the surface to mark the site for future considerations and to identify the clay below. This junction has been eliminated. The disturbed surface has been seeded with a blend of native vegetation and will be monitored for growth.

ADDITIONAL EVALUATION IS *HIGH* PRIORITY

* Windmill located 570 ft south of the location.

enclosures: chloride graphs, photos, lab results, clay test, PID field screenings, diagrams

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 7/19/2004 TITLE Project Scientist

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

BD H-14 boot

boot prior to delineation 6/2/2002

Close-up of boot prior to delineation; box removed

Delineation May 2004

BD H-14 boot

compacting clay barrier May 2004

testing clay 5/26/2004

Backfilled site with new box; clay ID plate in foreground June 2004

BD H-14 Boot

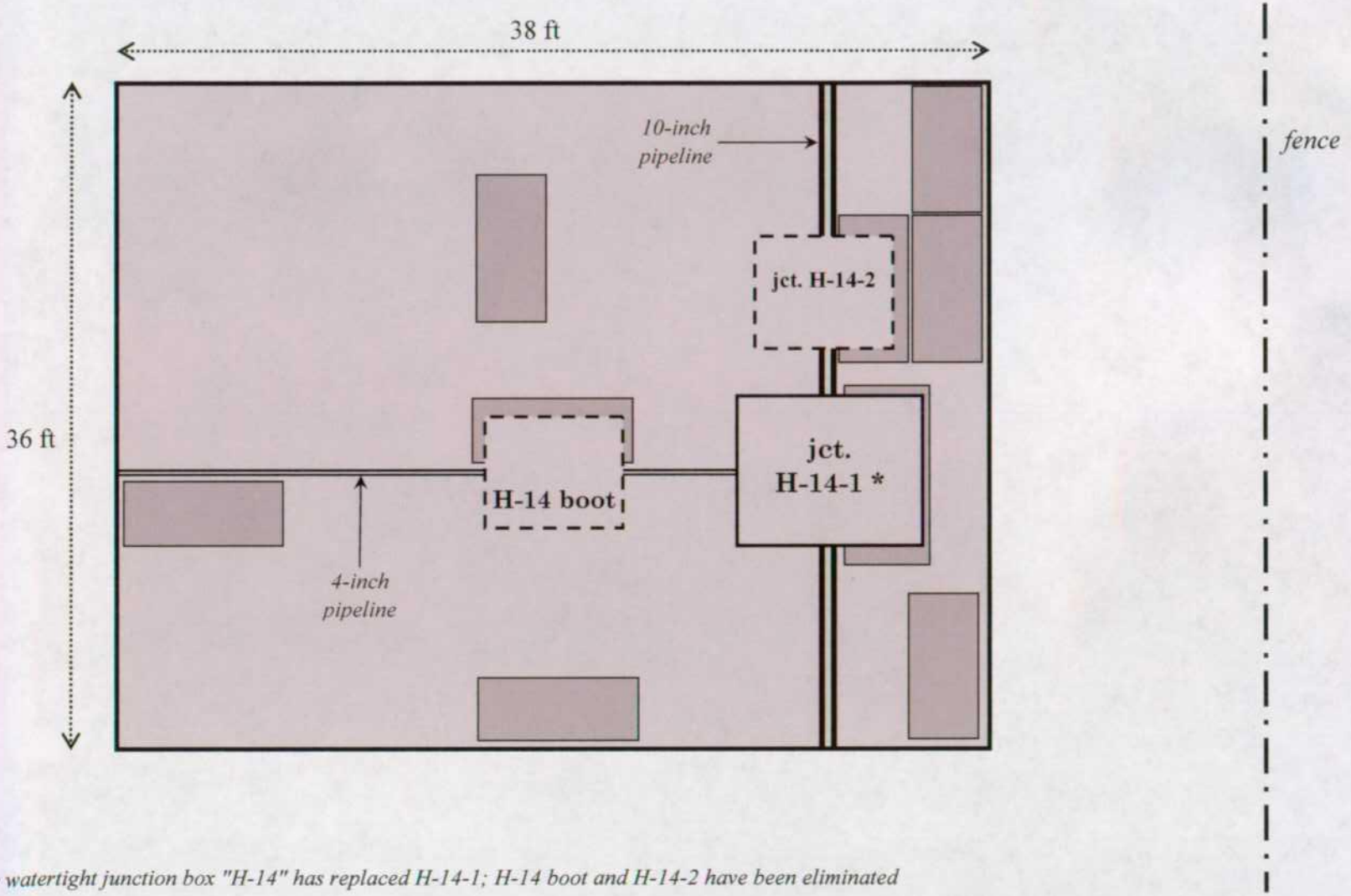
38 x 36 x 6-ft-deep

Excavation Cross-Section

= Excavation to 6 ft BGS

= 2 x 2 ft

= Excavation trench to 12 ft BGS

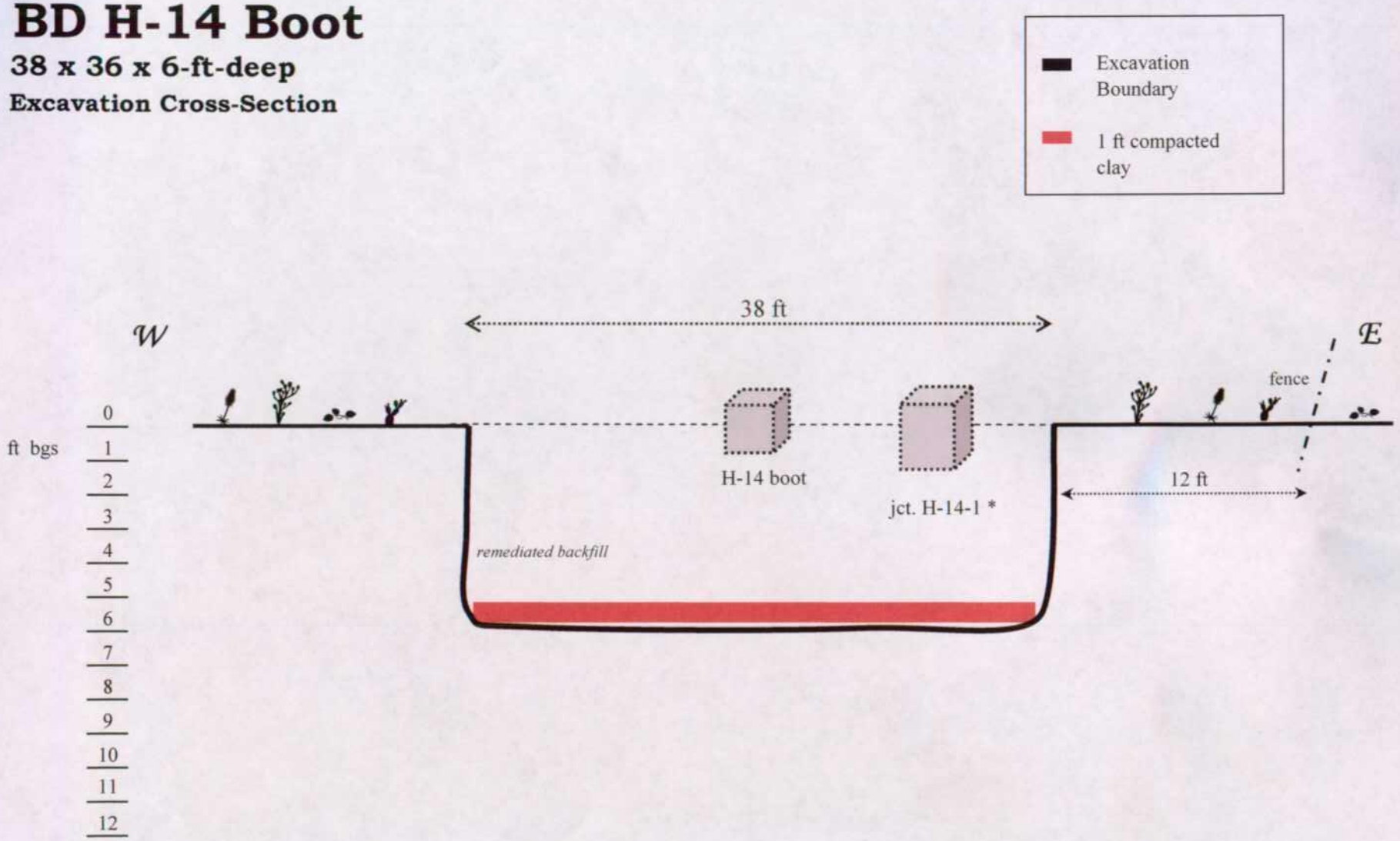


* *New watertight junction box "H-14" has replaced H-14-1; H-14 boot and H-14-2 have been eliminated*

BD H-14 Boot

38 x 36 x 6-ft-deep

Excavation Cross-Section



* New water-tight junction box is re-built in this location.

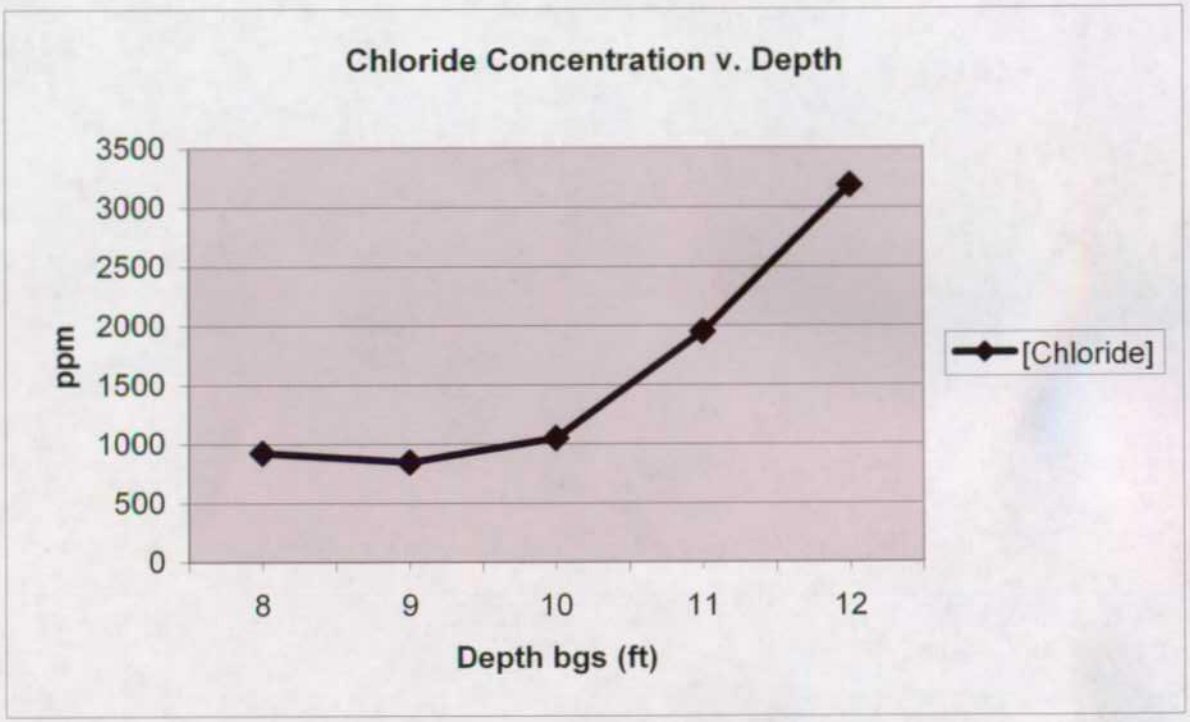
BD H-14 Boot

T22S, R37E

Vertical Delineation at Source

Depth bgs (ft)	[Cl⁻] ppm
8	925
9	848
10	1049
11	1949
12	3190

Groundwater = 65 ft



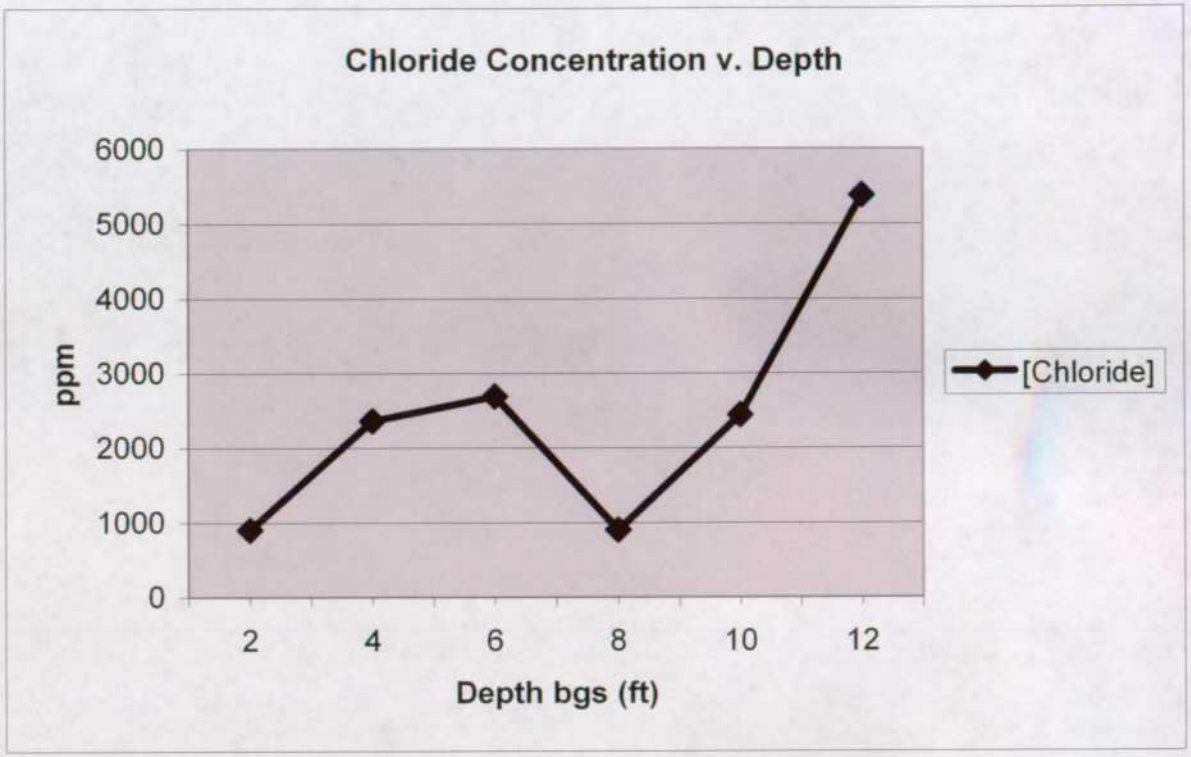
BD H-14 Boot

T22S, R37E

15 ft South of junction box

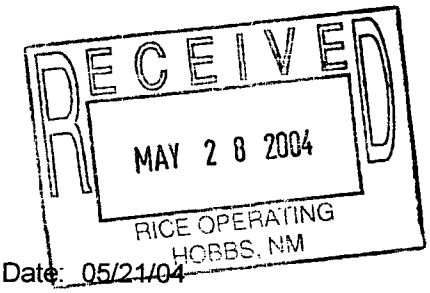
Depth bgs (ft)	[Cl⁻] ppm
2	905
4	2366
6	2691
8	906
10	2445
12	5384

Groundwater = 65 ft



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: J. GATTS
122 W. TAYLOR
HOBBS, NM 88240
FAX TO:

Receiving Date:05/21/04
Reporting Date: 05/24/04
Project Number: NOT GIVEN
Project Name: H-14, H-14-1, H-14-2
Project Location: NOT GIVEN

Sampling Date: 05/21/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		05/21/04	05/21/04	05/24/04
H8724-1	BOTT. COMP. AT 6' BGS	<10.0	<10.0	896
H8724-2	4 WALL COMP.	<10.0	<10.0	576
H8724-3	REMD. BACKFILL	<10.0	<10.0	240
Quality Control		794	752	990
True Value QC		800	800	1000
% Recovery		99.2	94.0	99.0
Relative Percent Difference		7.6	1.9	4.0

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

Chemist

5/24/04
Date

H8724.XLS

CARDINAL LABORATORIES, INC.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Page ____ of ____

Company Name:	Rice Operating
Project Manager:	J. Gatts
Address:	122 W. Taylor
City:	Hobbs
State:	NM
Zip:	88240
Phone #:	505 393-9174
Fax #:	
Project #:	
Project Owner:	
Project Name:	H-14, H-14-1, H-14-2
Project Location:	
Sampler Name:	

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	TPH 8015	Cl.
H8724-1	Bott Comp at 6' bgs	C	1			X							5/21/04	1230	X	X
-2-	4WALL Comp	C	1			X							5/21/04	1245	X	X
-3	REMD Backfill	C	1			X							5/21/04	1250	X	X

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 the client for the 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 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.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date:	Received By:	Phone Result: ☐ Yes ☐ No
	Time:		Fax Result: ☐ Yes ☐ No
Relinquished By: J. Gatts	Date: 5/21/04	Received By: (Lab Staff) Hope S. Moore	REMARKS:
	Time: 3:30		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition: Temp, °C: ; Intact? ☑ Yes ☐ No	Checked By: (Initials)	

† Cardinal cannot accept verbal changes. Please fax written changes to (915) 673-7020.

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: 02-22-30
EXP. DATE: 11/20/04
METER READING
ACCURACY: 100.1

SERIAL NO: 104412

100 PPM
BALANCE
FILL DATE: 5/20/03
ACCURACY: +or- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
BD	H-14 H-14-1 H-14-2	H	14	22	37

SAMPLE	PID RESULT	SAMPLE	PID RESULT
20' N. WALL	2.1		
16' S. WALL	1.3		
8' E. WALL	2.2		
30' W. WALL	4.6		
4 WALL COMP	6.7		
REMD BACKFILL	5.2		
BOTH. COMP at 6' bgs	0.1		

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

Joe Batts
Signature

5/21/04
Date

LABORATORY TEST REPORT

PETTIGREW & ASSOCIATES, P.A.

1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827

AASHTO R18

DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS. III, P.E./P.S.

To: Rice Operating
Attn: Carolyn Haynes
122 W. Taylor
Hobbs, NM 88240

Material: Red Clay

Test Method: ASTM: D 2922

Project: Boot H-14, H-14-1, H-14-2

Date of Test: May 26, 2004

Depth: Finished Subgrade

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
SG-1	Pit - 15' E. & 20' S. of the NW Corner	101.2	18.7	
SG-2	Pit - 20' W. & 10' N. of the SE Corner	105.0	16.5	

RECEIVED
JUN 07 2004
RICE OPERATING
HOBBS, NM

CH Isaac Chavez 783 9613

Control Density: 109.5
ASTM: D 698

Optimum Moisture: 16.6%

Required Compaction: 95%

Lab No.: 04 6661-6663

Copies To: Rice

PETTIGREW & ASSOCIATES

BY: S.E.I.