

1R - 425-36

**REPORTS**

**DATE:**

3-31-08

**Vacuum C-33 Boot**

1R-425-36

36

**DISCLOURE**

3-31-08

RICE OPERATING COMPANY  
JUNCTION BOX **DISCLOSURE**\* REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	NEW BOX DIMENSIONS - FEET		
							Length	Width	Depth
Vacuum	C-33 boot	C	33	17S	35E	Lea	no box; System abandonment		

LAND TYPE: BLM \_\_\_\_\_ STATE X FEE LANDOWNER \_\_\_\_\_ OTHER \_\_\_\_\_

Depth to Groundwater 85 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 8/30/2007 Date Completed 10/5/2007 NMOCD 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 9/13/2007, 9/14/2007 Sample Depth 12 ft

5-point composite sample of bottom and 4-point composite sample of excavation sidewalls. TPH, BTEX, and chloride laboratory test results completed by using an approved laboratory 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
4-WALL COMP.	PID = 97.3 (field reading)				<10.0	537	6140
BOTTOM COMP.	0.007	0.022	0.040	0.337	234	4370	4510
BACKFILL	<0.025	0.110	0.249	1.49	17.2	1090	5340

General Description of Remedial Action:

This junction was addressed as part of the Vacuum SWD System abandonment. After the junction box was removed, the site was delineated using a backhoe to collect soil samples at regular intervals producing a 30 x 30 x 12-ft-deep excavation. Organic vapors in the soil were measured using a PID which yielded slightly elevated concentrations in some areas. Chloride field tests were performed on each sample and yielded elevated concentrations which generally did not relent with depth. Composite samples were collected from the excavation bottom, walls, and excavated soil for laboratory confirmation of chloride, TPH, and BTEX concentrations. The excavated soil was blended on site and then returned to the excavation and contoured to the surrounding surface. An identification plate was placed on the surface of the backfilled site to mark the location of the former junction for future environmental consideration. R.T. Hicks Consultants of Albuquerque have been assigned to this project. OCD was notified of potential groundwater impact of this site on 12/20/2007.

enclosures: photos, lab results, PID field screenings, chloride graph, BTEX comparison table

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
15 ft NORTH of former junction	1	1575
	2	2218
	3	1851
	4	1116
	5	1707
	6	1518
	7	3462
	8	6428
	9	10572
	10	8500
	11	9373
	12	8621
4-wall comp.	n/a	4004
bottom comp.	12	3129
backfill comp.	n/a	3838

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

SITE SUPERVISOR Roy Rascon SIGNATURE Roy P. Rascon COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope  
DATE 12/19/2007 TITLE Project Scientist

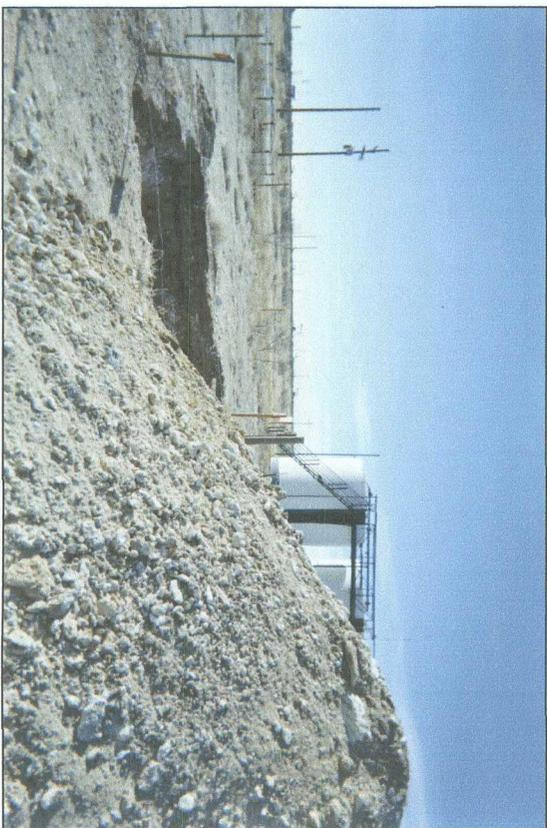
\* This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.

# Vacuum C-33 boot

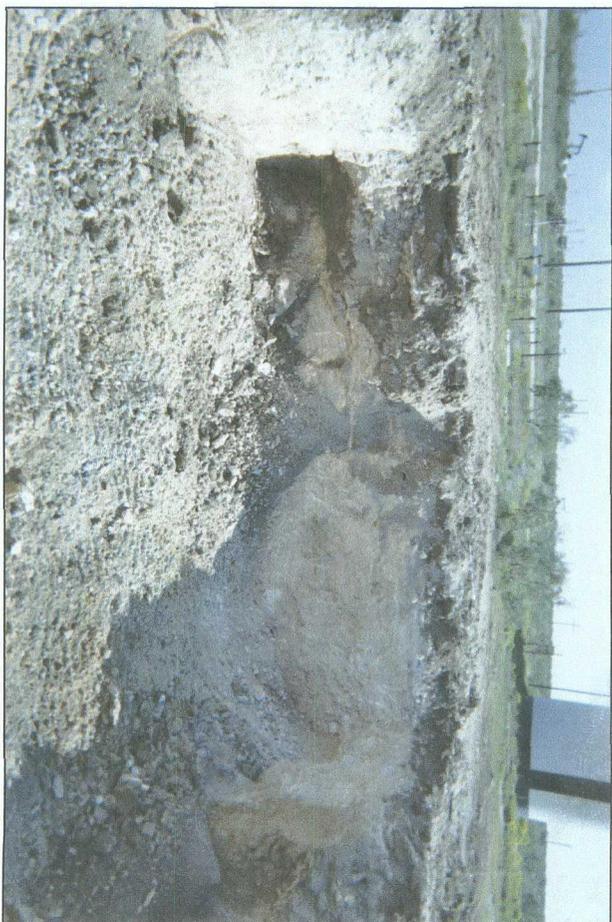
unit C, Section 33, T17S, R35E



undisturbed junction box prior to excavation 11/8/2005



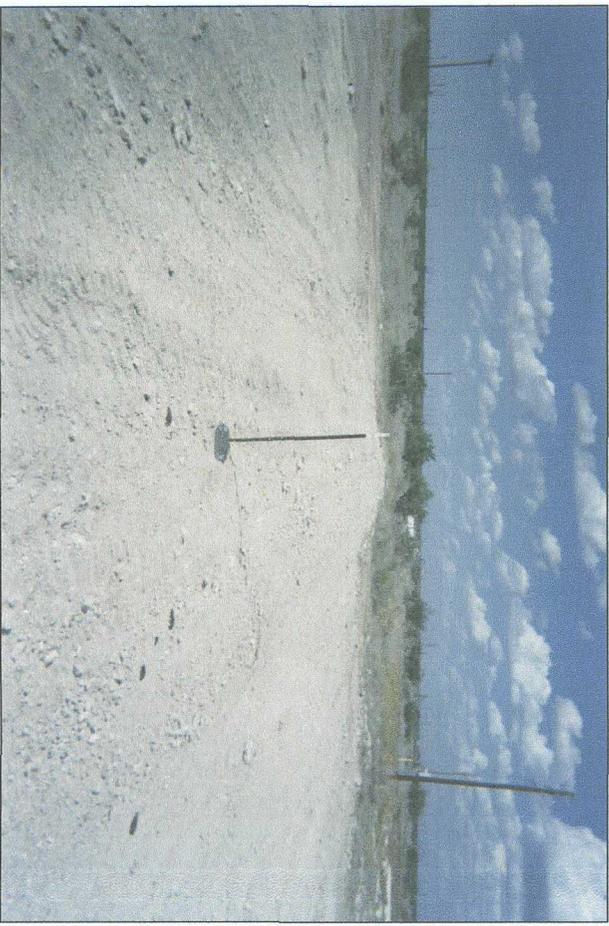
box removed; NORM decontamination 1/30/2006



final 30 x 30 x 12-ft excavation 9/12/2007



identification plate at surface of backfilled site marking former junction 10/11/2007



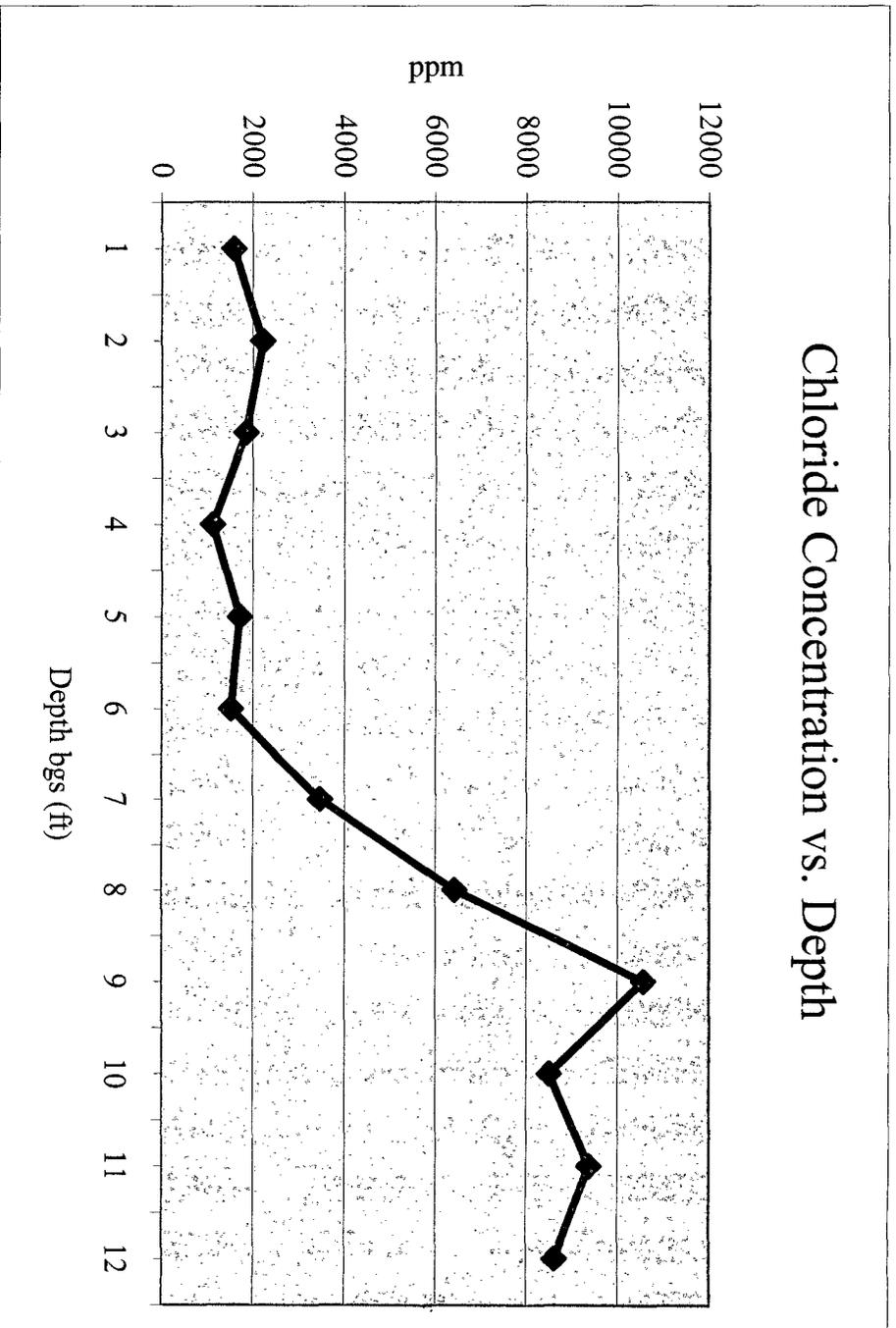
backfilled excavation with identification plate 10/11/2007

# Vacuum C-33 boot

unit 'C', Sec. 33, T17S, R35E

15 ft NORTH of former junction

Depth bgs (ft)	Cl <sup>-</sup> ppm
1	1575
2	2218
3	1851
4	1116
5	1707
6	1518
7	3462
8	6428
9	10572
10	8500
11	9373
12	8621



Groundwater = 85 ft

# 2007 BTEX Study

# Revised Junction Box Upgrade Plan (2003)

System: Vacuum      Date: 9/13/2007      Laboratory: Cardinal  
 Site: C-33 boot      Sampler: Roy Rascon      Laboratories

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
			Benzene	Toluene	Ethyl Benzene	Total Xylenes
bottom composite at 12 ft BGS	5 sample points	353	0.007	0.022	0.040	0.337
			LAB COMPOSITE (mg/kg)			
excavation dimensions 30 x 30 x 12 ft			0.005	0.017	0.043	0.280

Field PID tests <100 ppm are considered final for BTEX. If PID is >100 ppm, the components of the BTEX composite sample will be collected individually and will be composited under laboratory conditions to prevent excessive volatilization. A 15-box, 30-sample study will be made to compare field-compositing with lab-compositing BTEX samples. Composite components are collected in a skewed 'W' pattern. Revised Junction Box Upgrade Work Plan (July 16, 2003)



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

RECEIVED

COPY

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

SEP 20 2007

RICE OPERATING  
HOBBS NM

Receiving Date: 09/14/07  
Reporting Date: 09/17/07  
Project Number: NOT GIVEN  
Project Name: VAC JCT C-33 BOOT  
Project Location: NOT GIVEN

Sampling Date: 09/13/07 & 09/14/07  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: SB  
Analyzed By: BC/KS

LAB NO.	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	CI* (mg/Kg)
	ANALYSIS DATE	09/14/07	09/14/07	09/17/07
H13299-1	5PT BTTM COMP @ 12'BGS	234	4370	4510
H13299-3	4-WALL COMP @ 30x30	<10.0	537	6140
H13299-4	BLENDED BACKFILL 20PT COMP	17.2	1090	5340
	Quality Control	535	566	500
	True Value QC	600	600	500
	% Recovery	89.1	94.4	100
	Relative Percent Difference	3.8	3.7	<0.1

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

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

Clyde Keene  
Chemist

09/18/07  
Date

H13299A RICE

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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RECEIVED

ANALYTICAL RESULTS FOR  
RICE OPERATING CO.  
ATTN: ROY R. RASCON  
122 WEST TAYLOR  
HOBBS, NM 88240  
FAX TO: (505) 397-1471

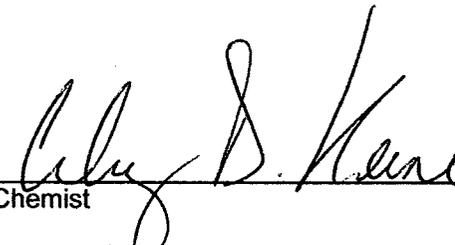
SEP 20 2007  
RICE OPERATING  
HOBBS NM

Receiving Date: 09/14/07  
Reporting Date: 09/18/07  
Project Number: NOT GIVEN  
Project Name: VAC JCT C-33 BOOT  
Project Location: NOT GIVEN

Sampling Date: 09/13/07 & 09/14/07  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: SB  
Analyzed By: CK

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
	ANALYSIS DATE	09/14/07	09/14/07	09/14/07	09/14/07
H13299-1	5PT BTTM COMP @ 12' BGS	0.007	0.022	0.040	0.337
H13299-2	BTTM @ 12' SP-1 THRU SP-5	0.005	0.017	0.043	0.280
H13299-4	BLENDED BACKFILL 20 PT COMP	<0.025	0.110	0.249	1.49
	Quality Control	0.102	0.094	0.094	0.283
	True Value QC	0.100	0.100	0.100	0.300
	% Recovery	102	93.6	93.5	94.4
	Relative Percent Difference	1.1	1.4	1.5	1.3

METHOD: EPA SW-846 8021B

  
\_\_\_\_\_  
Chemist

09/18/07  
\_\_\_\_\_  
Date

H13299 RICE

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**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603  
 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**ANALYSIS REQUEST**

**BILL TO**

Company Name: RICE OPEE CO. P.O. #:  
 Project Manager: ROY R. RASCON Company:  
 Address: 122 W. TAYLOR Attn:  
 City: Hobbs State: NM Zip: 88240  
 Phone #: 505-393-9174 Fax #: 505-397-1471  
 Project #: Project Owner:  
 Project Name: VAC JCT C-33 BOOT City: State: Zip:  
 Project Location: Phone #: Fax #:  
 Sampler Name: ROY R. RASCON

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.			DATE	TIME	CI	TPH	BTEX	COMPOSITE SAMPLES	BTM
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL							
11329-1	5PT BTM Comp @ 12' BGS	C	1									9-13-07	1100	✓				
2	BTM @ 12' SP #1	G	1	✓								9-13-07	1045	✓				
	SP #2	G	1	✓								9-13-07	1037	✓				
	SP #3	G	1	✓								9-13-07	1030	✓				
	SP #4	G	1	✓								9-13-07	1026	✓				
	SP #5	G	1	✓								9-13-07	1015	✓				
	4-WALL COMP @ 30X30	C	1	✓								9-13-07	1500	✓				
	Blended Backfill 20PT Comp	C	1	✓								9-14-07	1015	✓				

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Relinquished By: Roy R. Rascon Date: 9-14-07 Received By: Bill Barnes  
 Time: 1320 Date: 9-14-07  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_  
 Time: \_\_\_\_\_ Date: \_\_\_\_\_

Delivered By: (Circle One) UPS - Bus - Other: \_\_\_\_\_  
 Sample Condition:  Cool  Intact  
 Yes  Yes  
 No  No  
 CHECKED BY: [Signature] (Initials)  
 Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_

REMARKS: EMAIL to TPURVIS & RASCON @ RICE SWD.COM OK

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

# RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240  
 PHONE: (505) 393-9174 FAX: (505) 397-1471  
 PID METER CALIBRATION & FIELD REPORT FORM

CK.	<b>X</b>	MODEL: PGM 7600	SERIAL NO: 110-013676
MODEL		MODEL: PGM 7600	SERIAL NO: 110-013744
NO.		MODEL: PGM 7600	SERIAL NO: 110-012383
		MODEL: PGM 7600	SERIAL NO: 110-012920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 07-3264	EXPIRATION DATE: 1-18-09
FILL DATE: 7-18-07	METER READING ACCURACY: 100.0

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
<b>VAC</b>	<b>C-33 BOOT</b>	<b>C</b>	<b>33</b>	<b>17S</b>	<b>35E</b>

SAMPLE ID	PID	SAMPLE ID	PID
9-13-07 W wall 5pt SP#1	234		
#2	20.3		
#3	417		
#4	138		
#5	18.8		
W wall 5pt comp.	236		
9-13-07 4-wall comp @ 30x30x12	97.3		
9-14-07 blended backfill	127		

COPY

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

SIGNATURE: *Ray R. Rasmussen*

DATE: 9-14-07