

1R - 425-37

# REPORTS

DATE:

3-31-08

Vac Jct F-33 Boot

/R 425-~~34~~

27

DISCLOSURE

3-31-08

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

BOX LOCATION

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

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

Depth to Groundwater 90 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 9/14/2007 Date Completed 10/15/2007 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 10/2/2007 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.	<0.025	0.128	0.624	1.85	67.3	1180	2260
BOTTOM COMP.	0.012	0.103	0.096	0.527	127	1710	6800
BACKFILL	PID = 40.0 (field reading)				<10.0	1700	3600

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 were measured using a PID which yielded slightly elevated concentrations in soils nearest the junction. Chloride field tests were performed on each sample and yielded elevated concentrations, mostly east and north of the junction. Composite samples were collected from the excavation bottom, walls, and excavated soil for laboratory confirmation. Lab analysis revealed that OCD TPH guidelines were not met. 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. R.T. Hicks Consultants of Albuquerque will be reviewing this site for potential environmental considerations.

enclosures: photos, lab results, PID field screenings, chloride graphs, BTEX table, excavation map

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
10 ft NORTH of former junction	5	1864
	6	1611
	7	2282
	8	5328
	9	4799
	10	5547
	11	7966
	12	7248
4-wall comp.	n/a	2131
bottom comp.	12	4858
backfill comp.	n/a	3354

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 A. Rascon COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 11/20/2007 TITLE Project Scientist

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

# RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240

PHONE: (505) 393-9174 FAX: (505) 397-1471

## PID METER CALIBRATION & FIELD REPORT FORM

CK.  
MODEL  
NO.

X

MODEL: PGM 7600

SERIAL NO: 110-013676

MODEL: PGM 7600

SERIAL NO: 110-013744

MODEL: PGM 7600

SERIAL NO: 110-12383

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
VAC	F-33 BOOT	F	33	17S	35S

SAMPLE ID	PID	SAMPLE ID	PID
BTTM 5PT COMP @ 12' BGS	355		
N WALL COMP	106		
S WALL COMP	378		
E WALL COMP	14.6		
W WALL COMP	217		
4 WALL COMP @ 30X30	235		
BLENDED BACKFILL 12PT COMP.	40		

COPY

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

SIGNATURE:

*Roy R. Rasmussen*

DATE: 10-2-07



# Vacuum F-33 boot

Unit F, Section 33, T17S, R37E



undisturbed junction box

11/7/2005



junction box removed; prior to excavation

11/16/2005



final 30 x 30 x 12 ft excavation

10/2/2007



backfilled; T-post marking former junction site

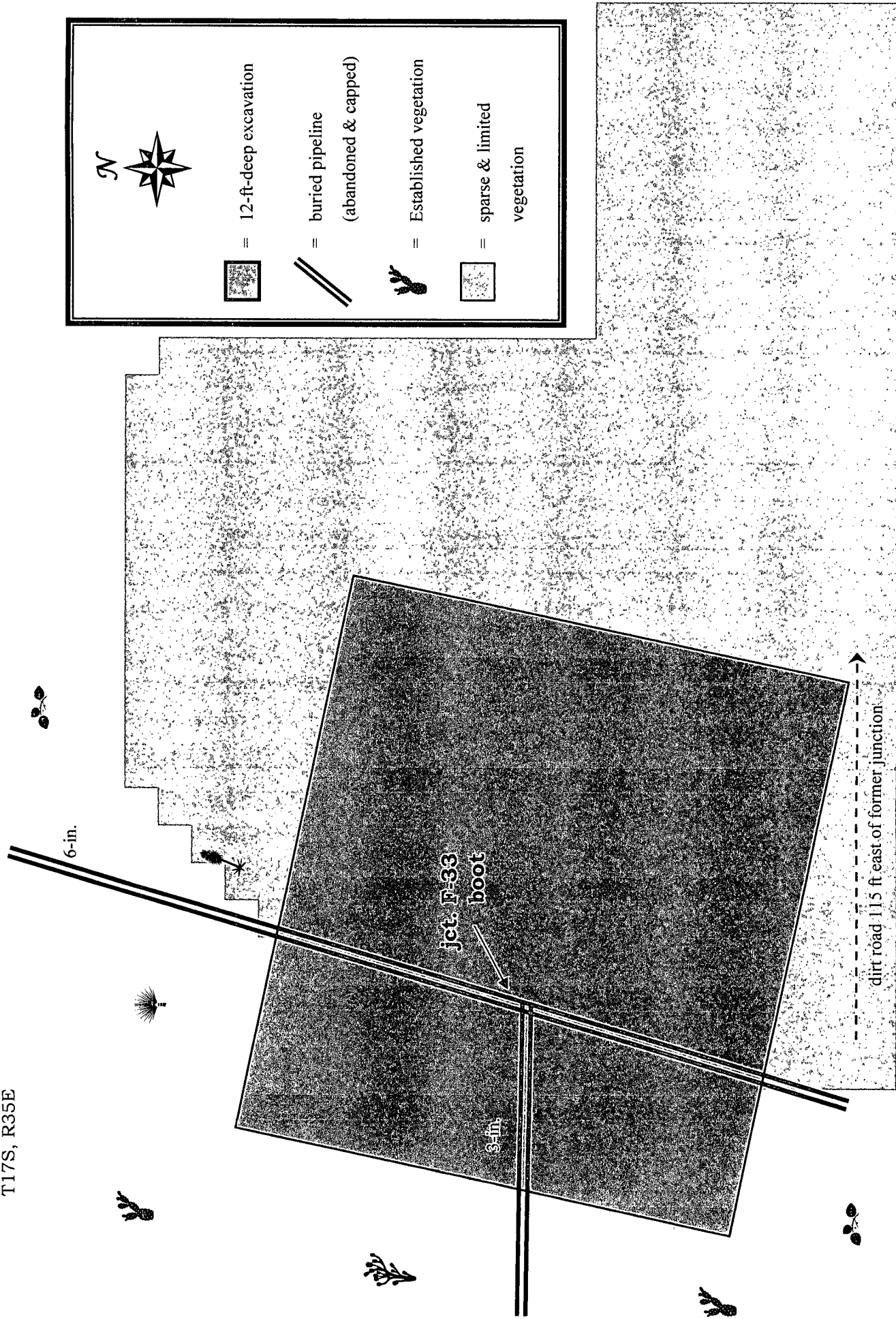
10/15/2007



# Vacuum F-33 boot

30 x 30 x 12 ft Excavation

T17S, R35E





# ARDINAL LABORATORIES

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

OCT 11 2007

RICE OPERATING  
HOBBS NM

Receiving Date: 10/03/07  
Reporting Date: 10/08/07  
Project Number: NOT GIVEN  
Project Name: VAC. JCT. F-33-BOOT  
Project Location: NOT GIVEN

Sampling Date: 10/02/07  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: SB  
Analyzed By: CK/KS

LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C <sub>6</sub> -C <sub>12</sub> ) (mg/Kg)	(>C <sub>12</sub> -C <sub>28</sub> ) (mg/Kg)	(mg/Kg)
ANALYSIS DATE		10/08/07	10/08/07	10/03/07
H13427-1	5PT. BTM. COMP. @ 12' BGS	127	1710	6800
H13427-2	4 WALL COMP. @ 30'X30'X12	67.3	1180	2260
H13427-3	BLENDED BACKFILL 12 PT COMP.	<10.0	1700	3600
Quality Control		459	461	500
True Value QC		500	500	500
% Recovery		91.8	92.2	100
Relative Percent Difference		5.1	2	<0.1

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

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

Chemist

Date

H13427TCL Rice

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

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

Receiving Date: 10/03/07  
Reporting Date: 10/08/07  
Project Number: NOT GIVEN  
Project Name: VAC. JCT. F-33-BOOT  
Project Location: NOT GIVEN

Sampling Date: 10/02/07  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: SB  
Analyzed By: CK

LAB NUMBER	SAMPLE ID	ANALYTICAL RESULTS			
		BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		10/06/07	10/06/07	10/06/07	10/06/07
H13427-1	5PT. BTM. COMP. @ 12' BGS	0.012	0.103	0.096	0.527
H13427-2	4 WALL COMP. @ 30'X30'X12	<0.025	0.128	0.624	1.85
Quality Control		0.104	0.095	0.094	0.285
True Value QC		0.100	0.100	0.100	0.300
% Recovery		104	94.7	94.2	94.9
Relative Percent Difference		8.5	8.6	8.5	7.6

METHOD: EPA SW-846 8021B

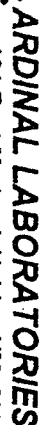
Chemist

Date

H13427b Rice

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101 East Mariland, 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

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

# Vacuum F-33 boot

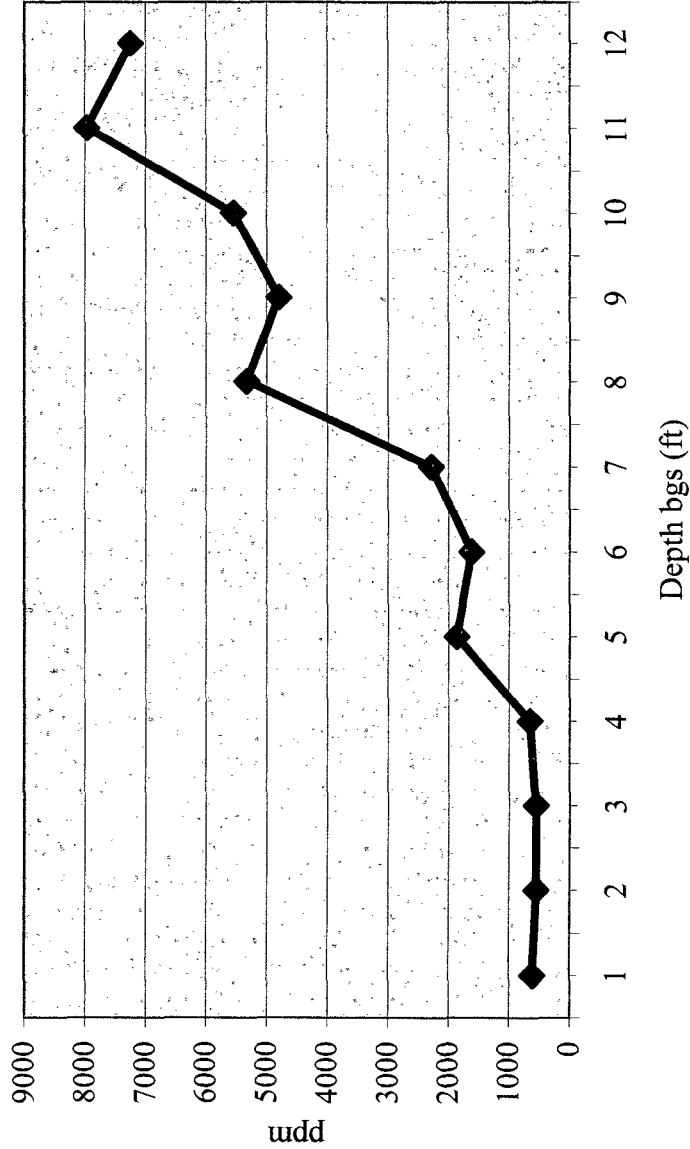
unit 'F', Sec. 33, T17S, R35E

10 ft NORTH of former junction

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
1	608
2	545
3	552
4	651
5	1864
6	1611
7	2282
8	5328
9	4799
10	5547
11	7966
12	7248

Groundwater = 90 ft

Chloride Concentration vs. Depth





# ARDINAL LABORATORIES

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

# RECEIVED

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

OCT 11 2007

RICE OPERATING  
HOBBS NM

Receiving Date: 10/03/07  
Reporting Date: 10/08/07  
Project Number: NOT GIVEN  
Project Name: VAC. JCT. F-33 BOCC  
Project Location: NOT GIVEN

Sampling Date: 10/02/07  
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		10/06/07	10/06/07	10/06/07	10/06/07
H13428-1	COMPOSITE N, S, E, & W WALL	<0.025	0.075	0.922	2.83
H13428-2	COMPOSITE SP #1 - SP #5	0.025	0.189	0.076	0.589
Quality Control		0.104	0.095	0.094	0.285
True Value QC		0.100	0.100	0.100	0.300
% Recovery		104	94.7	94.2	94.9
Relative Percent Difference		8.5	8.6	8.5	7.6

METHOD: EPA SW-846 8021B

Chemist

Date

H13428b Rice

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>RICE OPER. CO.</b>		P.O. #:		<b>BILL TO</b>		ANALYSIS REQUEST	
Project Manager: <b>ROY R. RASCON</b>		Company:					
Address: <b>122 W. TRAYLOR</b>		Attn:					
City: <b>Hobbs</b>		State: <b>NM</b> Zip: <b>88240</b>					
Phone #: <b>393-9174</b> Fax #: <b>397-1471</b>		Address:					
Project #:		City:					
Project Name: <b>VAC ICT F-33 Boot</b>		State:					
Project Location:		Zip:					
Sampler Name: <b>ROY R. RASCON</b>		Phone #:					
FOR LAB USE ONLY		Fax #:					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H13438-1	N WALL COMP	C 1	1	✓								10-2-07	1500	NOTE: Composite N, S, E, & W. WALL
2	S WALL COMP	C 1	1	✓								10-2-07	1440	COMP. IN LAB RUN BTEX ONLY
3	E WALL COMP	C 1	1	✓								10-2-07	1430	
4	W WALL COMP	C 1	1	✓								10-2-07	1450	
5	BTM SP#1	G 1	1	✓								10-2-07	1250	NOTE: Composite SP#1 - #5
6	BTM SP#2	G 1	1	✓								10-2-07	1300	IN LAB RUN BTEX ONLY
7	BTM SP#3	G 1	1	✓								10-2-07	1310	
8	BTM SP#4	G 1	1	✓								10-2-07	1320	PLEASE SAVE THIS COMP FOR
9	BTM SP#5	G 1	1	✓								10-2-07	1330	PICK UP. CALL 631-1378

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Relinquished By: <b>ROY R. RASCON</b>	Date: <b>10-3-07</b>	Received By: <b>DAVID MURPHY</b>	Date: <b>10-3-07</b>
Relinquished By: <b>ROY R. RASCON</b>	Date: <b>0952</b>	Received By: <b>DAVID MURPHY</b>	Date: <b>9:53 AM</b>
Time:		Time:	

Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)
<input checked="" type="checkbox"/> UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

REMARKS: Email to J Purvis & RRASCON @ RICE S&D Co. Com ok



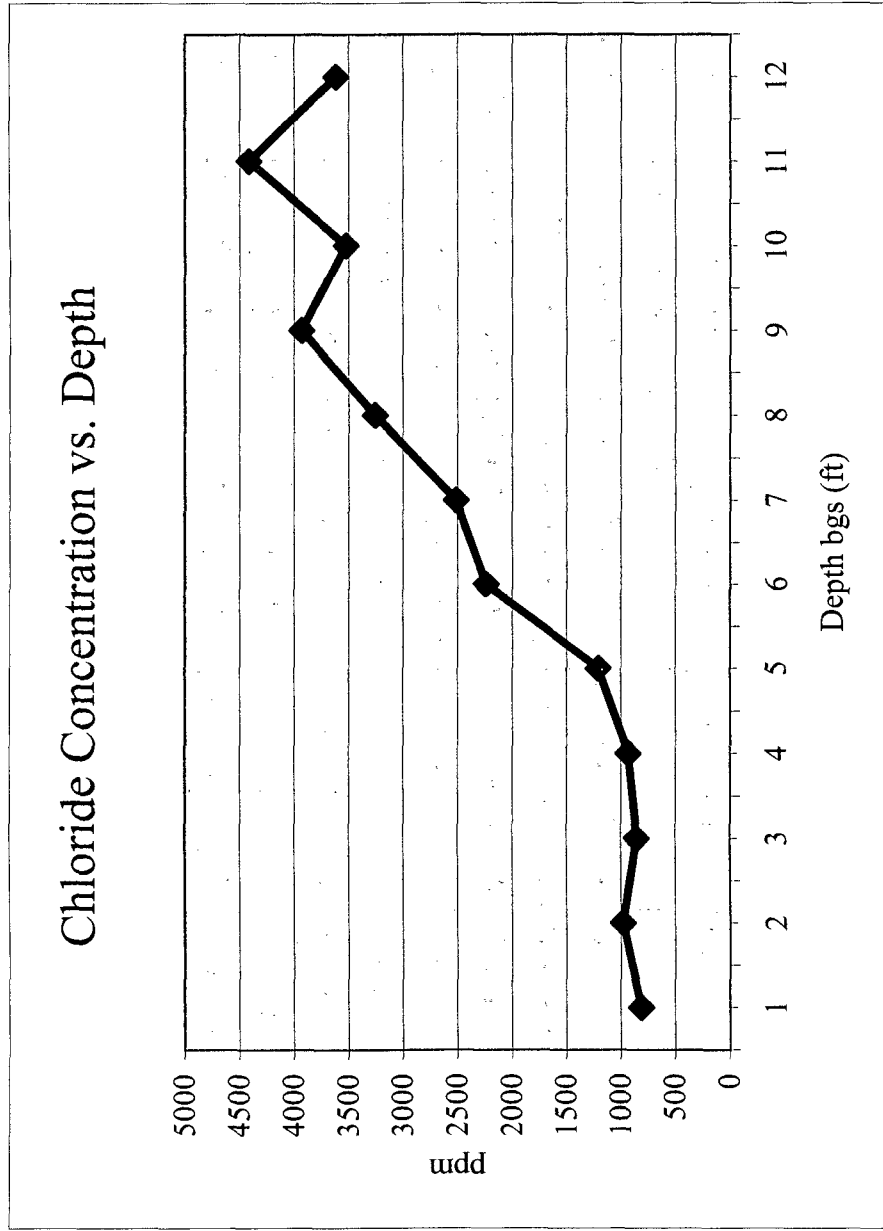
# Vacuum F-33 boot

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

20 ft EAST of former junction

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
1	810
2	978
3	855
4	932
5	1210
6	2240
7	2516
8	3259
9	3933
10	3524
11	4413
12	3618

Groundwater = 90 ft



# 2007 BTEX Study

# Revised Junction Box Upgrade Plan (2003)

System: Vacuum  
Site: F-33 boot

Date: 10/2/2007  
Sampler: Roy Rascon

Laboratory: Cardinal  
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	355	0.012	0.103	0.096	0.527
			LAB COMPOSITE (mg/kg)			
			0.025	0.189	0.076	0.589
excavation dimesions 30 x 30 x 12 ft						
4-wall composite	20 sample points	235	FIELD COMPOSITE (mg/kg)			
			<0.025	0.128	0.624	1.85
			LAB COMPOSITE (mg/kg)			
			<0.025	0.075	0.922	2.83

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)