

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		
Vacuum	C-33 boot	C	33	17S	35E	Lea	Length	Width	Depth
							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



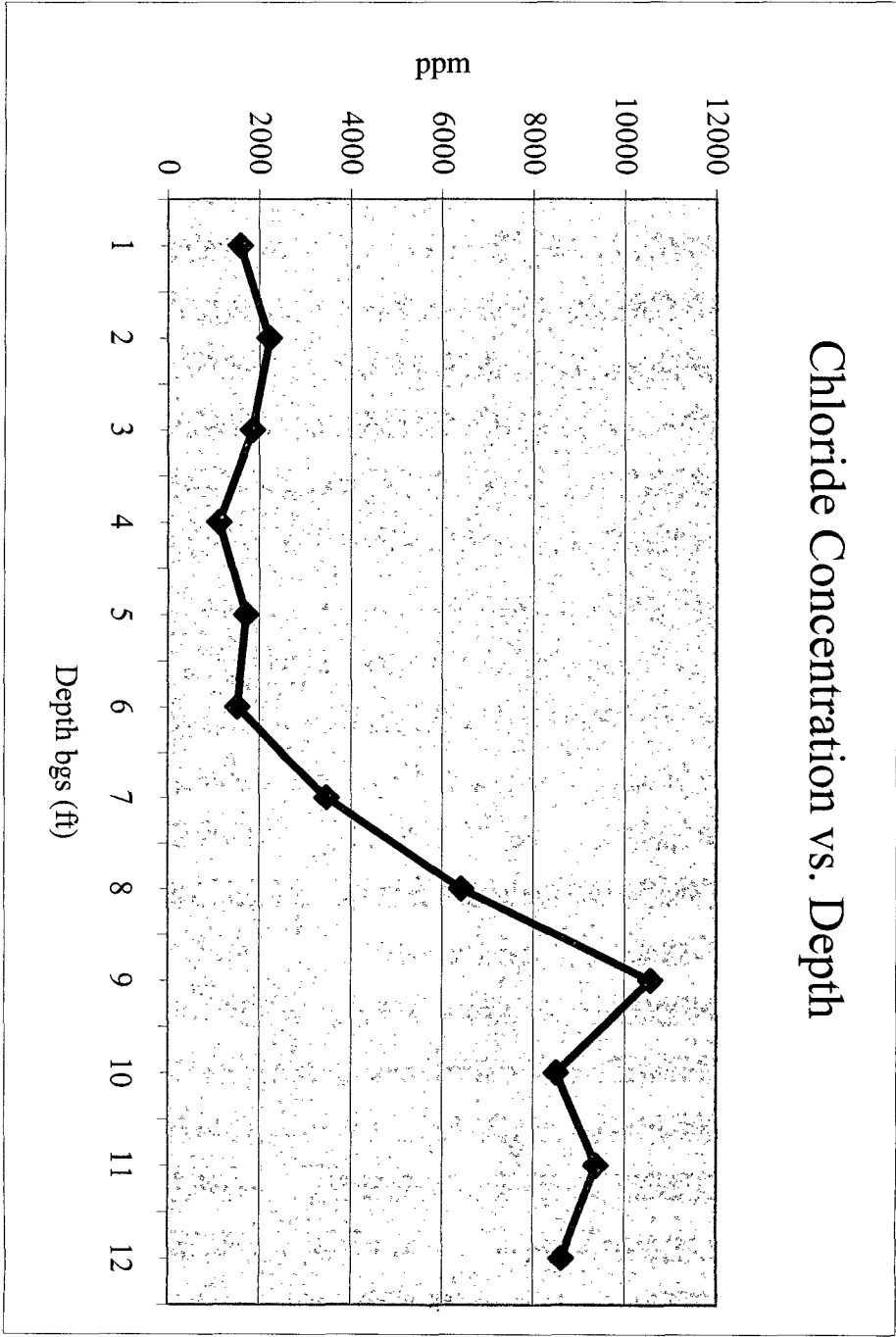
backfilled excavation with identification plate 10/11/2007

Vacuum C-33 boot

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

15 ft NORTH of former junction

Depth bgs (ft)	[Cl] 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
<i>excavation dimensions</i> <i>30 x 30 x 12 ft</i>			LAB COMPOSITE (mg/kg)			
			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

COPY

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

RECEIVED

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	DRO	CI*
		(C ₆ -C ₁₀) (mg/Kg)	(>C ₁₀ -C ₂₈) (mg/Kg)	

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

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

Chemist

Cathy D. Keene

Date

09/18/07

H13299A RICE

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ARDINAL LABORATORIES

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

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

SEP 20 2007

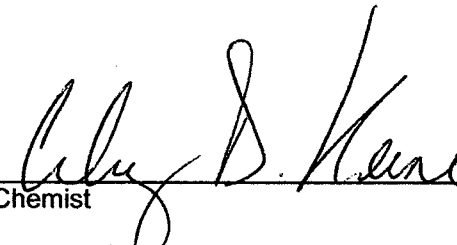
RICE OPERATING
HOBBS NM

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 BTM COMP @ 12' BGS	0.007	0.022	0.040	0.337
H13299-2	BTM @ 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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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

BILL TO							ANALYSIS REQUEST											
Company Name: RICE OPEE CO.								P.O. #:										
Project Manager: Roy R. Rascon								Company:										
Address: 122 W. Taylor								Attn:										
City: Hobbs State: NM Zip: 88240								Address:										
Phone #: 505-393-9174 Fax #: 505-397-1471								State:										
Project Owner: VAC JET C-33 BOOZ								Zip:										
Project Location: Project Owner:								City:										
Sample Name: Roy R. Rascon								Fax #:										
FOR LAB USE ONLY								MATRIX	PRESERV	SAMPLING								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	C1-	TPH 80/15 M	BTEX	Composite Samples @ 12' SP#1 thru 5 IN Lab & Run BTEX Only
H1329-1	SP RT BTM Comp @ 12' Bas	G 1	V										9-13-07	1100	/	/	/	
2	BTM @ 12' SP #1	G 1	V										9-13-07	1045	/	/	/	
	SP #2	G 1	V										9-13-07	1037	/	/	/	
	SP #3	G 1	V										9-13-07	1030	/	/	/	
	SP #4	G 1	V										9-13-07	1026	/	/	/	
	SP #5	G 1	V										9-13-07	1015	/	/	/	
	4-Wall Comp@30X30	G 1	V										9-13-07	1500	/	/	/	
	Blended Backfill 20 PT Comp	G 1	V										9-14-07	1015	/	/	/	

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Relinquished By: _____ Date: 9-14-07 Received By: _____
Roy H. Wilson
Dave Barnes

Date: 1/3/20 Time:
Date: Time:
Time:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: Sample Condition Cool Intact Yes No Checked BY: Initials: *JHBK*

REMARKS: E-mail to T Purvis & RRascon @ Rice SUD.COM ok

Phone Result: [] Yes [] No Add'l Phone #: Add'l Fax #:

† 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.	<input checked="" type="checkbox"/>	MODEL: PGM 7600	SERIAL NO: 110-013676
MODEL	<input type="checkbox"/>	MODEL: PGM 7600	SERIAL NO: 110-013744
NO.	<input type="checkbox"/>	MODEL: PGM 7600	SERIAL NO: 110-012383
	<input type="checkbox"/>	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	C-33 BOOT	C	33	17S	35E

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		

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

SIGNATURE:

Ray R. Rasmussen

DATE: 9-14-07