1R-426-94

REPORTS

DATE: 3/18/2005

BD K-21-2 Vent 1R0426-94

FINAL

REPORT

RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

				BOX LOC							_
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COU	INTY	BOX D Length	MENSIONS - I	Depth	-
BD	K-21-2 vent	К	21	21S	37E	Le	ea	-	ed 15 ft southw		┪
LAND TYPE: E	RI M	STATE	FFFIA	NDOWNER	Wan	tz Feta	ate	OTHER			_
Depth to Groun										10	
Date Started	6/11/	2004	Date Con	mpleted	7/9/2004	— °	OCD V	Vitness	No		
Soil Excavated	177	cubic yar	ds Exc	avation Le	ngth 21	·	Width _	19	Depth	12	_feet
Soil Disposed	0	cubic yar	ds Off	site Facility	n	/a		Location	n	/a	
FINAL ANALY						004		Sample De	pth	12 ft	
Procure 5-point or sidewalls. TPH approved lab	and Chlorid	e laboratory	test results	s completed	l by using ar			CHLORI	DE FIELD	TESTS	
Sample	<u>PID</u>	<u>G</u> f	<u>RO</u>	DRO	Chloride		LO	CATION	DEPTH (ft)	pp	m
Location	ppm	mg	/kg	mg/kg	mg/kg				6	102	21
4-WALL COMP.	12.1	<1	0.0	74.2	1570		12	ft East of	8	132	22
BOTTOM COMP.	4.9	<10	0.0	71.9	1040		j	unction	10	16	54
REMED. BACKFILL	44.5	<1	0.0	252	672			~ area of	12	126	35
0 ft EAST @ 15 ft BGS	3.4	X	X	XXX	528		ı	highest	13	96	i6
					<u>' </u>		ŀ	impact	14	84	3
General Descriptio	n of Remed	ial Action:	This junction	box contained	l a vent.		ŀ		15	73	1
The junction was move							4-1	wall comp.	n/a	157	73
was removed from the								tom comp.	12	112	21
while chloride field test	· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·		rem	ed. backfill	n/a	60	7
a 23 x 19 x 12 ft deep	excavation. P	ID readings w	ere relatively	low and lab re	sults on the						
composite samples cor	nfirmed TPH o	oncentrations	met NMOCD	guidelines. C	hloride concer	 ntration	s genei	ally declined v	with depth. The	excavate	d
soil was blended on sit	e and backfille	ed into the hole	e to 6 ft BGS.	At 6 ft, a 1-ft-	thick compact	ed clay	barrier	was installed	to inhibit furthe	r migration	1
of remaining chloride.	The remaining	spoils were t	ackfilled on to	op of the clay	and contoured	to the	surrour	iding surface.	The disturbed		
surface was seeded wi										getation.	
An identification plate h	nas been plac	ed on the surfa	ace to mark th	e presence of	a clay barrier	below.	The no	ew watertight	junction box wa	s built	
15 ft southwest of this											
, , , , , , , , , , , , , , , , , , , ,				enclosures: c	hloride graph,	photos	, lab res	sults, PID scre	enings, clay te	st, cross-se	ection
I HEREBY	CERTIFY	THAT THE			E IS TRUE A		СОМР	LETE TO T	HE BEST OI	F MY	
SITE SUPERVISOR	Joe Ga	tts	SIGNATURE	n	ot available		_ cc	MPANY	RICE Operating	g Compan	<u></u>
REPORT ASSEMBLE	D BY	Kristin Farri	s Pope	SIGNATI	URE	/ <u>n:2</u>	<u>ທ່າ</u>	Jan	12 Pop	DR	
D	ATE	3/18/20	05	TI	ITLE			Project Sci	entist /		

BD K-21-2 vent



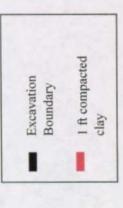
vertical delineation at former box site (looking north)

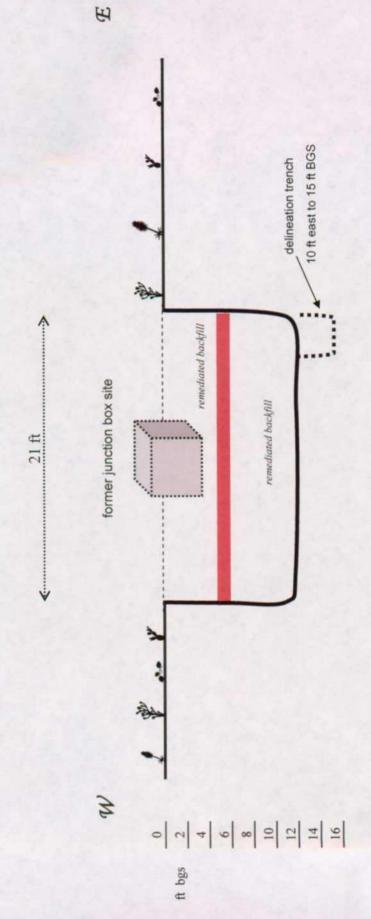


6/11/2004 delineation & excavation 10 ft north of junction



delineation & excavation 15 ft west of junction





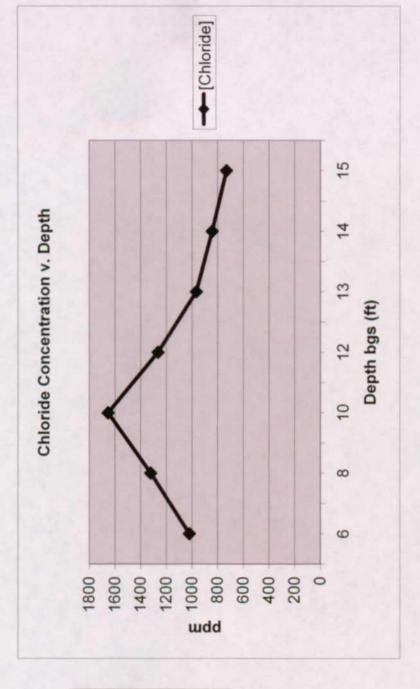
* New junction box has been built 15 ft southwest of the former box site.

BD K-21-2 vent

10 ft East of junction

[CI] ppm	1021	1322	1654	1265	996	843	731
Depth bgs (ft)	9	8	10	12	13	14	15

Groundwater = 70 ft

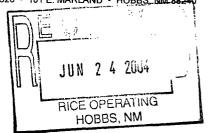




PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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: (505) 397-1471



Receiving Date: 06/17/04 Reporting Date: 06/18/04

Project Number: NOT GIVEN

Project Name: K-21-2 Project Location: BD Sampling Date: 06/16/04 & 06/12/04

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC Analyzed By: BC/AH

	GRO	DRO	
	$(C_{6}-C_{10})$	(>C ₁₀ -C ₂₈)	CI*
LAB NUMBER SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)

ANALYSIS DATE		06/17/04	06/17/04	06/18/04
H8833-1	BOTT. COMP. @ 12' BGS	<10.0	71.9	1040
H8833-2	4 WALL COMP.	<10.0	74.2	1570
H8833-3	REMD. BACKFILL	<10.0	252	672
H8833-4	10' EAST @ 15' BGS	•	-	528
Quality Cor	trol	803	808	1020
True Value	QC	800	800	1000
% Recover	1	100	101	102
Relative Pe	rcent Difference	3.9	1.8	1.0

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

hemist

Date

H8833.XLS

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC. 2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fex (505) 393-2476

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	(915) 673-7001 Fax (915) 673-7020
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	9

	Kice Operating Com		BILL TO			ANALYSIS	ANALYSIS REQUEST	
Tiologi Manager	J. 64 Fts		P.O. #:					
Address: (2	2 W. Taylor		Company					
Clb.	HA State: NM	ZIP: 88280	Attn:					
Phone #:	Fax#;		Address:					
Project#:	Project Owner:		City:					·
Project Name:	K-21-2		State: Zip:					
Project Location:	30		#		5			
Sampler Name:			Fax#:		10		-	
FOR LAB USE ONLY		MATRIX	PRESERV.	SAMPLING	18			
	C - Cu	83TA			Ho			
		CONTAIN ROUNDW ASTEWA JIL	.нев : е / соог привуее инев :					· · · · · · · · · · · · · · · · · · ·
18833-1	190 tt. Compat 12 645	OIO OS S M M	PCE ICE	64 8:30	× V			-
7-2	4 WALL COMO	- X	19119		X			
-2	REMO BACKFUL	x 1 7	191/01	C15:3 70	X			-
3	10 Fast a+ 15 645		14179	21 10115	X			
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						-		
PLEASE NOTE: Labbity and I ambyes. At deine including the service. In the Amet and Conden	PESSE NOTE: Labidy and bemages. Cardinal's labidity and cheen's encloser remedy for any clean arrang whether besed in contract or torq shall be lamited to the amount paid by the support of the second to the second whether the label of the second to the second whether the same in which 30 days after completen of the second to the second	whether besed in contract of tord, shall be limited to the amount paid by the client for the male in writing and nearhard by Cerdinal within 30 days effer completen of the applicable	ed to the amount pard by the client to lays effer completion of the applicable	- (1)40	Carres and C 30 days past	onditions: Interest will due at the rate of 24%	Terms and Conditiones: Interest will be changed on all accounts more than 30 days past due at the rate of 24% per annum from the original date of twoise.	re than ale of throice,
effectes or exocertors entarg of	officies of successor staking oil of orested to fix performance of serious beturner by Carding Ingradies of whe	nel fremupatore, tote of use, of tote of profits moursed by affort, he arbeidenies, rhetter such dahn is besed upoh ery of the above stated ressons or otherwise.	red by clert, he arbsidaries, stated ressons or otherwise.		and all costs	Ž.	attorney's hees.	
Sampaer reinguisi	ned: Oate:	Received By:		Phone Result:	Yes	οχ Π		
	Time:			REMARKS:				
Relinquished By:	17 / Time:	Received By: (Lab Staff)	100	Ţ.				
Dolladord Bir Winch One	12 4.30	The way	12/22 ·					
Confidence of the Confidence o		Temple Condition				٠		
sampler ors - B		Lead Design	(Initials)	٠				

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

LE UTEKATING 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

LOT NO: 0 2 - 22 - 30

EXP. DATE: 11/20/04

METER READING

ACCURACY: 100. (

SERIAL NO: 104412

100 PPM

BALANCE

FILL DATE:

ACCURACY: 7 00 -

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
BD	K-21-2	K	21	2/	37

		· · · · · · · · · · · · · · · · · · ·	***	and the second s
	SAMPLE	PID RESULT	SAMPLE	PID RESULT
	10'N WALL	10.3	i:	
	9'5 WALL	136	# -	Armondo Parlama.
	11'W WALL	11.5	<u> </u>	
16	18'E WALL	9.4		
J	4 WALL COMP BOH. Compat ! REMD BACKFILL	12.1		
	Bott. Compat	2 bs 4.9		·
	REMP BACKELL	44.5		
		,		
				1

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



LABORATORY TEST REPORT **PETTIGREW & ASSOCIATES, P.A.**

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



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:

K-21-2-BD

Date of Test:

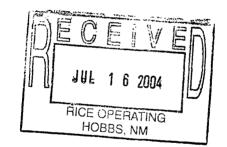
July 8, 2004

Depth:

Finished Subgrade

 Test No.
 Location
 Dry Density % Maximum
 % Moisture
 Depth

 SG-1
 Pit - 10' E. & 10' S. of the NW Corner
 98.4
 24.1



Control Density:

109.5

ASTM: D 698

Optimum Moisture:

16.6

Required Compaction:

95%

Lab No.:

04 7402-7403

Copies To:

Rice

PETTIGREW & ASSOCIATES

BY: Zon Ceuset