# 1R - 427 - 48

# REPORTS

# DATE:

1-9-2004

IR0427-48

### FINAL

REPORT

#### RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

				BOX LOC	ATION					_
SWD SYSTEM	JUNCTION	UNIT SEC	TION	TOWNSHIP	RANGE	COUNTY		X DIMENSIONS -		4
EME	H-29	Н 2	9	218	36E	Lea	Length	Width Moved 50 ft Eas	Depth st	$\dashv$
LAND TYPE:	DIAA S	TATE Y E	EE I A	NDOWNED			OTL	IER		
LAND TIPE.	BLIVI 3	IAIL A F		MDOMNEK				IEN		
Depth to Grou	ndwater	174feet		NMOCD	SITE ASSI	ESSMENT	RANKING	S SCORE:	0	
Date Started	10/21/20	003 Da	te Co	mpleted	10/27/2003	OCD	Witness	N	0	
Soil Excavated	200 (excavation trenches)	_cubic yards	Exc	cavation Le	ngth <u>20</u>	Widt	h 20	Depth	14	feet
Soil Disposed	0	_cubic yards	Of	fsite Facility	n	/a	_ Locat	ion	n/a	
		a = a								
FINAL ANAL	YTICAL RE	SULIS: s	ampl	e Date	12/30/2	.003	_Sample	Depth	46 ft bgs	<u> </u>
	ocure 5-point of BTEX and Chie	oride laborator	/ test		pleted by us	ing an app				
Sample Location	Benzene mg/kg	<u>Toluene</u> mg/kg	E	thyl Benzene mg/kg	Total Xylen mg/kg		GRO ng/kg	<u>DRO</u> mg/kg	Chlorie mg/k	
Soil Bore @ 46 ft		XXX		XXX	XXX		¢ΧΧ	XXX	192	
Vertical @ 14 ft (field tests)		PID :	0.0	ppm	<u> </u>	;	схх	27	133	2
					7 101 10		СНІ	ORIDE FIELD	TESTS	
General Description	on of Remedial	Action: During	initial	delineation tre	enches made v	vith [	OCATIO	N DEPTH	ft) pr	om
a backhoe to 14 ft bgs	s, chloride concen	trations did not su	fficient	ly decline. The	ere were no		Soil Bore	20	80	68
ndications of TPH du	ring this delineation	n (see PID results	s). As	oil bore was pe	erformed and			25	98	86
at 47 ft bgs, a conclus	sive decline in chlo	ride concentration	ns was	observed (see	graph). Bas	ed		30	8	71
on the decline, ROC o	concludes that gro	undwater is not th	reaten	ed at this site.	The bore was	3		35	50	66
packfilled with cuttings	s and the site was	leveled. Vegetat	on is a	Iready establis	shed on the			40	6-	45
surface. A new water	tight junction box	has been built 50	ft east	of this site.				45	3	14
								46	1	89
enclosures: chloride g	raph, photos, lab	results, PID readi	ngs, so	oil bore						
I HEREB	Y CERTIFY TH	AT THE INFO		TION ABOV			IPLETE T	O THE BEST (	OF MY	
DATE	1/9/2	2004		PR	INTED NAME			Kristin Farris		
SIGNATURE	Knistino	fanis		······································	TITLE		F	roject Scientist		

# EME jct. H-29



Undisturbed box prior to NORM removal



NORM Excavation



Delineation & Excavation

Oct. 2003



Construction of New Junction Box 50 ft East



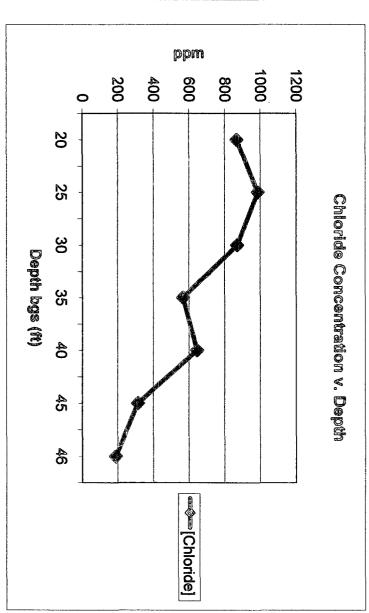
Looking East: Soil bore location marked by wooden stake; new box in background

ENE jet. IH-29 T218, R36E

Soil Bore

46	45	40	35	30	25	20	Depth bgs (ft)
			566				





	Logger:		Joe Gatts; Mort Bates	Client:	Well ID:
Driller: A		<i>F</i>	Atkins Engineering Associates, Inc.	RICE Operating Company	
Drilling Method:			Hollow Stem Auger	Project Name:	
Start Date:			12/30/2003	jct. H-29	
End Date:			12/30/2003	Location:	SB-1
Notes:		مملحان -	nd with drill auttings. TD = 47 &	EME SWD System	
	В	ackine	ed with drill cuttings; TD = 47 ft;	Sec. 29, T21S, R36E	
			Groundwater = 174 ft	Lea County, NM	
THE PERSON NAMED ASSOCIATION OF THE PERSON NAMED ASSOCIATION O	did to the second s	zorkiospone viste			
Depth	Split Sp	oon		D 708 - D	Additional
(feat)	chloride	PID	Description	Lithology	Notes
0.0	1			40a t 40a a	
2.0					
4.0					
	<b>†</b>				
6.0	<del> </del>				
1	<b> </b>				
8.0	<b> </b>		Silty sand mixed with broken		
<del>                                     </del>			caliche:		1
10.0	<del>                                     </del>		loose, reddish brown, dry		]
10.0	<del> </del>	<b></b>			
12.0	<del> </del>	<b></b>			
12.0		<b></b>			
14.0		<del> </del>			
14.0		<u> </u>			
16.0			İ		
10.0	<del>                                     </del>	<b></b> -			
100	<del> </del>	<del> </del>			
18.0	<del> </del>	<u></u>		14	
20.0	969	<u> </u>	Caliche: hard, tan, dry		
∠0.0	868	no	Canone, naru, tari, ury		[
	<del> </del>	odor			]
22.0	<del> </del>	ļ			
24.0	<del> </del>	<b></b>	Silty sand: loose, tan, dry		
∠4.0	986		Sinty Santa. 10056, tan, dry		
26.0	300	no			
20.0	<del>                                     </del>	odor	Caliche: hard, tan, dry		1
20.0	<del> </del>	<del>                                     </del>	j Canone, Hard, Mill, Mry		
28.0	<del> </del>	<del> </del>			1
20.0	074				
30.0	871	no	Silty sand: loose, tan, dry		
22.0	<del> </del>	odor			
32.0	<del> </del>			<b> </b>	
34.0	<del>                                     </del>	<del>                                     </del>			
34.0	500	<del> </del>	Silty sand partially cemented; tan, firm,	.	
26.0	566	no	dry		
36.0	<del> </del>	odor	1		
20.0	<del> </del>				
38.0	<del> </del>	<del> </del>			
100		-	ł		
40.0	645 no		1		1
100	<del> </del>	odor			
42.0	<del> </del>	<b></b>	Silty sand: loose, tan, dry		
44.5	<del> </del>	<u> </u>			
44.0		<b></b>			
10.5	314	no		N. A. S. C.	1
46.0	185	odor			lab = 192 ppm Cl <sup>-</sup>
L		L			

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

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

Receiving Date: 01/05/04 Reporting Date: 01/06/04 Project Number: NOT GIVEN

Project Name: EME Project Location: H-29 Analysis Date: 01/06/04 Sampling Date: 12/30/03 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: AH

LAB NUMBER SAMPLE ID (mg/Kg)

H8317-1	SOIL BORE 46' BGS	192
Quality Control		1010
True Value QC		1000
% Recovery		101
Relative Percent Diffe	erence	7.0

METHOD: Standard Methods 4500-Cl'B

Note: Analysis performed on a 1:4 w:v aqueous extract.

Chemist

Date

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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ANALYSIS REQUEST

ARDINAL LABORATORIES, INC. 2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240

BILL TO Company: RICE (505) 393-2326 Fax (505) 393-2476 Address: P.O. # Attn: State: NM ZIp: 88240 Fax#: 397-147 (915) 673-7001 Fax (915) 673-7020 Company Name: RICE Operating ddress: 122 M Taylor hone # 393-9174 ity: Habbs

Terrie and Conditions, latered will be dranged on all accession more from 20 days part due at the cate of 24% per ensure from the original date of brakes, and all poots of collections, budanting attenting's free. Phone Result: O Yes O No Add'I Phone 8: Fax Result: SYes O No Add'I Fax 8: REMARKS: Chlocide . At takins including those for tradiquence and any other cause whatboomed wakes made in witting and sectional within 30 days after completed of the applicable. In some states to include the includental or consequented damages, including without humans beautifices, loss of use, or loss of profits incurred by disert. Be subsidiaries. 050 IME and puted by the chart for the SAMPLING DATE 123005 2 2 2 3 PRESERV : ABHTO ICE / COOF Phone #: State: Fex#: C C **ACID/BASE** SCUDGE MATRIX CRUDE OIL COIL (G)RAS OR (C)OMP Project Owner: AOTE: Libidity and Damages, Cardina's liability and clears's exclusive remady for any Date: 1/5/04 S Sample I.D. و s or excessors arising ad of ar related to the performance upler Rellinguished: 6944 Bore oject Location: 14-29 EN FI Set ımpler Name: roject Name: OR LAB USE ONLY ab I.D. 1.K8H roject #:

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

Inter - UPS - Bus - Other: Ivered By: (Circle One)

Fax to RICE

Received By: (Lab Staff)

Date: 50#

nquished By

(Time: 730

ECKED BY:

(Initials)

174' GW State LANDOWNER ETGI Jet box finiel neport Vertical 14' North , at crater SITE EXCAVATION INFORMATION SOURCE DATE DÉPTH CL. PID TPH SOIL COMPOSITION 10.21.03 5-80 Bown Sant 545 calicle Light Brown Sand 5-80 500 467 9 مريكا ل 500 10 689 12 890 00 Tony AC لآ مر 1263 0,0 14 1332 Jary Mark



#### ENVIRONMENTAL TECHNOLOGY GROUP, INC.

2540 WEST MARLAND HOBBS, NEW MEXICO 88240

PHONE: (505) 397-4882 FAX: (505) 397-4701

#### VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO:	PGM 761S
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CALIBRATION GAS

GAS COMPOSITION: ISOBUTYLENE

AIR

SERIAL NO: 103999

100 PPM BALANCE

LOT NO: 6750

EXP. DATE: // /2 5/

METER READING

ACCURACY: /00.7

FILL DATE: 10-01-03

ACCURACY: / 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	14-29	14	29	215	36 /

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Vert 14			
Vert 14 12' 13'	0.0		
13"	0.0		
14	0.0		
		,	
			• •
•			
	·		
	٠,		

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

Joy Stark
Signature

Field teck

10.01.00

Date