1R - <u>427 - 44</u>

REPORTS

DATE:

12-12-2003

ENE Citation 'C' ECL 1R0427-44

FINAL

REPORT

RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

					BOX LOC	ATION				
	SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNT	_	IMENSIONS - FE	
	EME	Citation 'C'	н	24	21S	35E	Lea	Length	Width oved 15 ft north	Depth
	L	EOL			<u> </u>			101	oved 15 it notti	
	LAND TYPE:	BLM	STATE	FEE L/	ANDOWNER	Merchant	Livestock	Co. OTHER		
	Depth to Groui	ndwater	201	feet	NMOCD	SITE ASSE	SSMEN	T RANKING S	CORE:	0
	Date Started	8/13/2	2003	Date Co	mpleted	10/8/2003	oci	Witness	No	
	Soil Excavated	358	cubic ya	rds Ex	cavation Le	ngth <u>30</u>	Wid	1th 23	Depth1	4 feet
	Soil Disposed	48	cubic ya	rds Of	ffsite Facility	South M	onument	Location	Monume	nt, NM
	NAL ANAL\ ocure 5-point co	omposite san	nple of bot	om and 4-	point compos	site sample	of sidewa	— Ills. TPH, BTE		laboratory
	Sample	PID	G	RO	DRO	Chloride		CHLOF	RIDE FIELD TE	STS
	Location	ppm		ı/kg	mg/kg	mg/kg				
VE	RTICAL @ 18 ft	0.6	<1	0.0	<10.0 	3870	_			
4	WALL COMP.	12.4	<1	0.0	<10.0	256		LOCATION	DEPTH (ft)	ppm
	STOCKPILE	15.8	<1	0.0	<10.0	1060		Vertical	6	3605
E	30RE @ 26 ft	xxx	×	xx	xxx	284			8	1526
w	ATER WELL 150 ft SE	xxx	х	xx	xxx	72			10	2257
									12	1806
Ge	neral Description	n of Remedi	al Action:	The old junc	tion box site wa	as delineated	Γ	·····	14	1113
	a backhoe with ch						rtical	, , '	16	3713
-	ent of chloride impa							• •	18	2006
con	centrations were w	ell below NMO	CD quideline	s. The site w	as bored and d	lelineated on	h	oore @ source	23	1775
	5/2003 and chloride						— F	<u></u>	37	1176
	ay barrier 1.5 ft thi			-			ne		44	1192
	avated soil was the			-				bore 10 ft East	14	579
the	top 2 ft. The distu	rbed surface wa	as re-seeded	with native v	egetation and v	will be monitor	ed		22	505
for	growth. A down-g	radient water w	ell is located	150 ft southe	east east of this	site. ROC			26	495
san	npled this well on 9	/19/03 and the	enclosed wa	ter analysis e	xhibited no indi	cation of impa	ct.	4-wall comp.	n/a	536
	enclosures: lab result				···			stockpile	n/a	775
DA	EREBY CERTIF	12/1	12/2003		PR	INTED NAME		Kris	tin Farris	ND BELIEF.
SIG	NATURE	Knisting	5/11/12	<i></i>		TITLE		Proje	ct Scientist	· · · · · · · · · · · · · · · · · · ·

EME Citation 'C' EOL



Beginning Excavation at Former Junction Box Site (August 2003)



30 x 23 x 12-ft Excavation Before Installing Clay Barrier (August 2003)



Delineation Drilling (August 15, 2003)



Density Testing Clay (October 6, 2003)

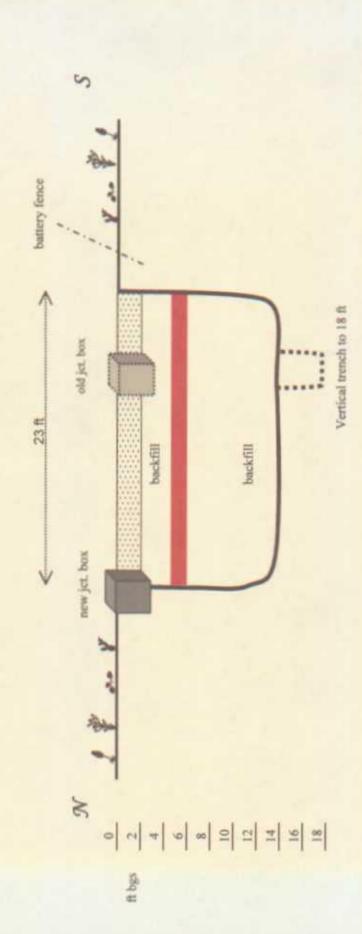


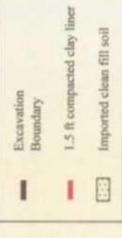
Seeding Backfilled Site (October 15, 2003)



Backfilled with Clay Identification Plate in Foreground; New Box 15 ft North of Old Junction Box

EXCavation Cross-Section





EME Citation 'C' EOL

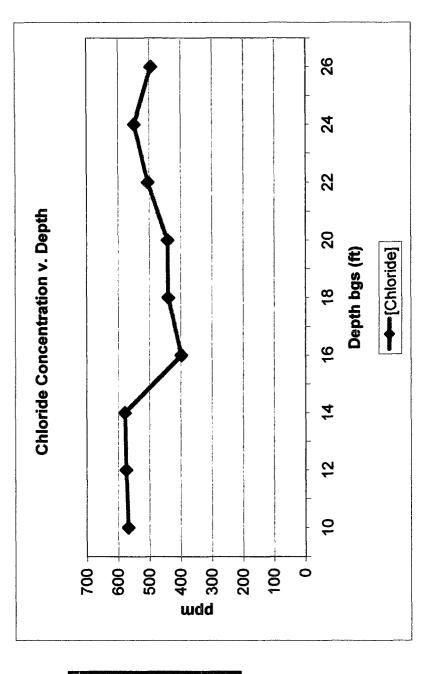
Unit 'H', Sec. 24, T21S, R35E

Soil Bore 10 ft East of Source

[Cl] ppm	895	212	615	368	440	442	205	548	495
Depth bgs (ft)	10	12	14	16	18	20	22	24	26

248	495	
24	26	

Groundwater = 201 ft



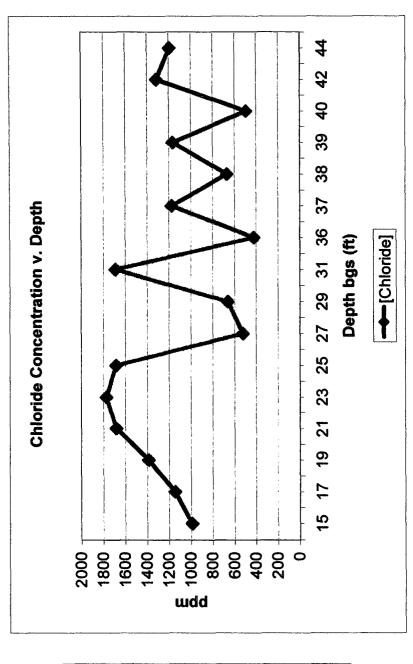
EME Citation 'C' EOL

Unit 'H', Sec. 24, T21S, R35E

Soil Bore at Source

[CI] ppm	066	1147	1387	1684	1775	1685	523	663	0691	420	1176	699	1165	494	1313	1192
Depth bgs (ft)	15	17	19	21	23	25	27	29	31	36	37	38	39	40	42	44

Groundwater = 201 ft



1



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

PHONE (505) 393-2326 • 101 E

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: KRISTIN FARRIS 122 W. TAYLOR HOBBS, NM 88240

FAX TO:

Receiving Date: 09/19/03 Reporting Date: 09/24/03 Project Number: CITATION "C"

Project Name: CITATION "C" WATER WELL

Project Location: NOT GIVEN

Sampling Date: 09/19/03

Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: AH

Na Ca Mg K Conductivity T-Alkalinity
LAB NUMBER SAMPLE ID (mg/L) (mg/L) (mg/L) (mg/L) (mg/L) (mg/CaCO₃/L)

ANALYSIS DATE:	09/17/03	09/22/03	09/22/03	09/23/03	09/17/03	09/22/03
H8024-1 CITATION "C" WW	- 59	51	70	5.47	706	147
Quality Control	NR	43	55	2.047	1322	NR
True Value QC	NR	50	50	2.000	1413	NR
% Recovery	NR	86.0	110	102	93.6	NR
Relative Percent Difference	NR	0	0	0.2	0.7	NR

METHODS:	SM3500-Ca-D 3500-Mg E	264.1	120.1	310.1

TDS	pН	HCO ₃	CO ₃	SO ₄	CI
(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)

ANALYSIS DATE:	09/22/03	09/22/03	09/22/03	09/22/03	09/22/03	09/22/03
H8024-1 CITATION "C" WW	72	44	0	180	7.47	481
			·			
Quality Control	980	54.39	NR	1068	6.88	NR
True Value QC	1000	50.00	NR	1000	7.00	NR
% Recovery	98.0	109	NR	107	98.3	NR
Relative Percent Difference	2.0	0.7	NR	7.7	0.1	12.1

METHODS: SM4500-CI-B 375.4 310.1 310.1 150.1 160.1

Date

ARDINAL LABORATORIES, INC. 2111 Beechwood, Abilene, TX 79603

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2111 Beech (915) 673	2111 Beechwood, Abilene, TX 79603 101 (915) 673-7001 Fax (915) 673-7020 (50)	101 East Mariand, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476	88240 Page of	
Ric			ANALYSIS REQUEST	1
Project Manager: KRIS+IN	FARRIS	B11110 Po#:		
Address: /33 W. TAY	TAYLOR	Company:		
0665	State: VM Zip: 822 40	Attn:		
e# 393-9174		Address:		
Fax 弗		City:		
Project #: C1+4+10n"C" P	Project Owner:	State: Zlp:		
me: CI(A+10M'C'	WATER WEIL	Phone #:		
Project Location:		Fax #:		
FOR LAB USE ONLY	MATRIX	PRES. SAMPLING		
	WATER	L	ion	
	(G)RAB O # CONTAI GROUND WASTEW SOIL OIL	SLUDGE OTHER: ACID: ICE / COC OTHER:	Cat	
HEO24- Citation"e"	WARREWELL G. G.V	V9-19-03 2	220 / /	1
				·
				1
				+
PLEASE NOTE: Liability and Danniges, Cardinat's satisty and banniges, Cardinat's satisty and banniges. Cardinate and art satisface. In no event shall Cardinal be liable for indicardal of	PALEASE (NOTE: Labity and Chrisgias, Carolade Battay and ower a sociate investor for any manufacture scand in contains of the year of an activation of the spiritable training of the spiritable for a spiritable training of the spiritable for a s	es interruptions, toes of use, or less of minutes within 30 to		, 3
Sampler Relinquished:	Sampler Relinquished: Geogle Received By: Care Care	Piles and service respondent any or man analysis	one Result 17 yes 12 No Additional Fax #: x Result 17 Yes 12 No	
Ray R. RASION	Tinge: 5.55	Z		•
Relinquished By:	Date: Received By: (Lab Staff)	(Lab Staff)		
	Time: Say	and Control	,	
Delivered By: (Circle One)	Cool Inde	(Initials)		

Sampler - UPS - Bus - Other:





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: 09/26/03
Reporting Date: 09/27/03
Project Number: NOT GIVEN
Project Name: CITATION "C" EOL
Project Location: LEA CO., NM

SEP 3 0 2003

RICE OPERATING
HOBBS, NM

Sampling Date: 09/25/03 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 same as stockpile	09/26/03	09/26/03	09/26/03
H8038-1	BOTTOM 6' COMPOSITE	<10.0	<10.0	1180
H8038-2	4 WALL COMPOSITE	<10.0	<10.0	256
H8038-3	STOCKPILE 5 POINT	<10.0	<10.0	1060
Quality Cor	ntrol	765	803	980
True Value		800	800	1000
% Recover	у	95.7	100	98.0
Relative Pe	rcent Difference	7.4	2.3	2.0

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

Chemist

Date

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page of

ARDINAL LABORATORIES, INC. 2111 Beechwood. Abilene, TX 79603 101 East Mark

101 East Marland, Hobbs, NM 88240	(505) 393-2326 Fax (505) 393-2476	
2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240	(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476	

Company Name	1					Tourse	Γ
KICE	į	Kupd			ANAL 1313 I	אבקטבאו	1
Project Manager: Krist	"Kristin Faccits	-	P.O. #.				
Address: 122 W. Taylor	W. Taylor		Company: RICE				
City: Habbs	MN State: NM	ZIp: 82240	Attn:	The second secon			
Phorie #: 393-9174	5-9174 Fax#: 397-147	ILA	Address:				
Project #:		:4	City:				
Project Name:	citation i Est		State: Zip:	des manufactures de la constitución de la constituc			
Project Location:			Phone #:	<i>(</i> /			
Sampler Name:	Gary Starl			0_			
FOR LAB USE ONLY		MATRIX	PRESERV SAMPLENG	5			-
Lab I.D.	Sample I.D.	PAMB OR (C)OMP. CONTRINERS COUNDWATER ASTEWATER JIL UDE OIL	E / COO ⁻ EI/ BY ZE:	MAL			٠.
14603K-1	Botton & Curpes to	CS S M M OB	24 CJ /스	11ME			
7-	,	200	6.77.6	13:40			
~	1/2 / A/1/2	7	1 8.25.03	+ 12.0			
PLEASE NOTE: Limitary and analyzed. At define brokeling sarkes, forms event abad Car.	PLEASE NOTE: Likeling and Damagne. Cardinife hisbling and electric exclusive remody for any calmaring window bened godysea. At claims, britaling finase for reapporter and any other cause windowere that he deemed relead alsoes made in service. In to event apid Cardinil pe lichin for forbitation correspontal desmogne, britaling historial historia, business his	y chim athing whether besed in contract of it, to come while and took the willing and took through his highway business it for the took of the completers, less of	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	the clear for the platfact of the egglicable he attackbuldes,	Terms send Condi- 30 days part dae a and all costs of col	Terms send Chardistens: laterest will be charged on all accounts cross fassion 30 days part das at the rate of 21% per serum from the original date of two and all costs of collections, totaling allocatory's less.	1
Sampler Relinqui	Sampler Relinquished: Received by Performance of service because by Cardini, regardere of white a Sampler Relinquished:	Received By:	Sign that the based upon any of the ladge stilled records	Phone Result: 1765	☐ No Add'I Phone #:		
,	Time:			Fax Result: [] Yes REMARKS:	ONo Add Fax#:		
Relinquished By:		Received By: (Lab Staff	The state of the s	1000 + 2/	1010		
John J		3	a ste	·			
Delivered By: (Circle One)	(Circle One)	Sample Condition	or CMECKED BY: (hildula)				
Sampler - EPS - Bus - Other:	Bus - Other:				•		
			B m. see also an entire property of the pro	The same and the same while definition of the same and th			

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

ANALYTICAL REPORT

Prepared for:

Kristin Farris Rice Operating 122 W. Taylor Hobbs, NM 88240

Project:

EME Citation "C" Eol

PO#:

Order#:

G0307648

Report Date: 10/08/2003

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Rice Operating 122 W. Taylor

Hobbs, NM 88240

505-397-1471

Order#:

G0307648

Project:

Bore Samples

Project Name: EME Citation "C" Eol

Location:

None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u> 0307648-01	Sample : Source @ 44'	Matrix:	Date / Time Collected 9/15/03 9:00	Date / Time <u>Received</u> 10/6/03 8:00	Container Plastic Bag	Preservative ice
<u>La</u>	<i>b Testing:</i> Chloride	Rejected: No	Ten	np: 4.0 C		
0307648-02	10' E. Source @26'	SOIL	9/15/03 13:00	10/6/03 8:00	Plastic Bag	ice
<u>La</u>	<i>b Testing:</i> Chloride	Rejected: No	Теп	np: 4.0 C		

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Kristin Farris **Rice Operating** 122 W. Taylor Hobbs, NM 88240

Order#:

G0307648

Project: Project Name: Bore Samples

Location:

EME Citation "C" Eol None Given

Lab ID:

0307648-01

Sample ID:

Source @ 44'

Test Parameters

Parameter Chloride

Units

mg/kg

Dilution **Factor** 1

RL20

Method 9253

9253

Date Analyzed 10/7/03

<u>Analyst</u> SB

Lab ID:

0307648-02

Sample ID:

10' E. Source @26'

Parameter

Chloride

Test Parameters

Result 284

Result

1030

Units mg/kg

Dilution **Factor** 1

RL20

Date Method

Analyzed **Analyst** 10/7/03 SB

Date

Approval:

Raland K. Tuttle, Lab Director, QA Officer

Celey D. Keene, Org. Tech. Director Jeanne McMurrey, Inorg. Tech. Director

Sandra Biezugbe, Lab Tech. Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS I, LTD.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0307648

BLANK	SOIL	LAB-ID#	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0007064-01			<20		
MS	SOIL	LAB-ID#	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0307648-01	1030	500	1540	102.%	
MSD	SOIL	LAB-ID#	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0307648-01	1030	500	1560	106.%	1.3%
SRM	SOIL	LAB-ID#	Sample Concentr.	Spike Concentr.	——QC-Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0007064-04		5000	4960	99.2%	

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763

Phone: 915-563-1800 Fax: 915-563-1713

Project Manager: KRISTIN FARRIS

Project Name: EME CHA-1011"L" EO

Project #. BORE SAM PIES

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

COMPANY NAME RICE OPER, CD,

City/State/Ip: Hobbs, N.M. 88240 Company Address: 122 W, TRY LOR

Telephone No: 505 - 393-9174

Fax No: 505 - 397 - 147

₽0 #:

Project Lac:

TAT brabnat2 RUSH TAT (Pre-Schedule) Sample Containers Intact? Temperature Upon Recept Analyze For BTEX 8021B/5030 Semininiss Metals: As Ag Ba Cd Or Pb Hg Se TCLP: TOTAL: TPH 8015M GRO/DRO 0350 1-814-HAT Time 105 / CL / SAR / EC Olher (specify): Matrix egbul2 Date Water Other (Specify) enoN Preservative os^zH HOFN HCI Lisignit, нио, _ No. of Containers 900 8 Time Sampled 9-15-03 9-15-03 Received by: Date Sampled 14:41 Sampler Signature: Roy R. RASCEN Time g (9) Date FIELD CODE DURGE 0 Special Instructions: 48 # (lab tsa only) Relinquished by: Relinquished by Ö



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

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: ROY R. RASCON 122 W. TAYLOR HOBBS, NM 88240

FAX TO:

Receiving Date: 08/19/03 Reporting Date: 08/20/03

Project Number: "C" EOL

Project Name: CHEVRON CITATION "C" EOL Project Location: LEA COOUNTY, NM

Sampling Date: 08/18/03 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: GP Analyzed By: BC/AH

DRO GRO (C_6-C_{10}) (>C₁₀-C₂₈) CI* LAB NUMBER SAMPLE ID (mg/Kg) (mg/Kg) (mg/Kg)

ANALÝSIS DATE	08/19/03	08/19/03	08/20/03
H7927-1 BOTTOM SAMPLE 18'	<10.0	<10.0	3870
Quality Control	779	752	1050
True Value QC	800	800	1000
% Recovery	97.3	94.0	105
Relative Percent Difference	0.7	- 8.1	5.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CIB *Analysis performed on a 1:4 w/v aqueous extract.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

									The second secon
Project Manager: Koy	Rusian		1377 170 P	PO#:					
Address: 122 w	٠, ا		Company:						
6	/ Zlp:	04238	Attn:						
#			Address:		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Fax #:			City:		<u> </u>		•		·
Project #:	Project Owner:		State: Z	Zip:	<u></u>				
ame: <	Crown Citation C	For L	Phone #:		ۍ د د				
Project Location: (e.u.	11111 1211		Fax井		- 0				
		MATRIX	RES.	SAMPLING	8				
	Sample I.D.	WATER /ATER	DL.		en de		······································		
· · · · · · · · · · · · · · · · · · ·	:	# CONT GROUN WASTE SOIL OIL SLUDGE	OTHER ACID: ICE / CC OTHER DATE	TIME					
1-136LF1	30thon South 18'	66	1 8.1803	03 9:31	7				
								+	
					-		•		
NEASE NOTE: Unbitly and Damages. nelyses. All digins including those for ne	PLEASE NOTE: Libbilly and Damages. Candrairs liability and client's anobative remach for any claim arising whether based in contract or lont, shall be limited to the amount paid by the client for the analyses. All chalms including those for negligance and any other cause whatecever shall be deemed walved unless made in writing and received by Candrail within 30 days after completion of the applicable	shall be deemed walved unless made it	d in contract or tort, shall be limited n writing and received by Candinal v	to the amount paid by the onthe on the complete the compl	client for the tion of the applicable	•	Terms and Condition 30 days past due at th	ss: Interest will be often to rate of 24% per annu	Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice and a south of calculates whether attempts then a south of calculates whether attempts then
ampler Relinguished:	stillates or successors stitling out of or related to the performance of services harkundar by Cardinal, repairdess of whether such data is based upon any of the above stated reasons or Sampler Relinquished: Phone Result	nder by Cardinal, regardless of whethe Received By:	r' such daim is based upon any of t	Phone Resul	Otherwise,	☐ No Additional Fax #:	nal Fax #:		
Jake Steve	1 Limes 7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	17.60		REMARKS:	U Yes	. 8			The state of the s
	Date:	Received By: (L	(Lab Staff)	\ \ \ \ \	0	6	6		•
	Time:	C+1/6C							١,
The second secon	Delivered By: (Circle One)	Sample Condition	on CHECKED BY:						

[†] Cardinal cannot accept verbal changes. Please fax written changes to 915-873-7020.

LEASE OPERATOR: RICE OPERATING 122 WEST TAYLOR HOBBS, NM 88240 ATTN: CAROLYN DORAN HAYNES	EME	ORIGINATING LOCATION:
TRANSPORTER NAME & ADDRESS: WALTON CONSTRUCTION COMPANY INC. P.O. BOX 478 HOBBS, NM 88241-0478		
DESCRIPTION OF WASTE: -NON-HAZARDOUS HYDROCARBONS		QUANTITY: 12 YDS
FICILITY CONTACT: COLOR SIGNATURE OF CONTACT		10/03/03 DATE
CELL NUMBER MATERIAL PLACED IN: SIGNATURE OF TRANSPORTER (DRIVER):	···········	<u>B-1</u>
X Care Coffee SIGNATURE OF DRIVER	·	10-3-03 DATE
DISPOSAL SITE SOUTH MONUMENT SURFACE WASTE FACIL P.O. BOX 418 HOBBS, NM 88241-0418 S25 T20S R36E N/2 NE/4	LITY	
"As a condition of acceptance for disposal, I hereby certify the Environmental Protection Agency (EPA). The waste a production operations; exempt from Rescource Conservations: and not mixed with non-exempt waste." FACILITY REPRESENTATIVE	re: generat	ed from oil and gas exploration and

X

LEASE OPERATOR: RICE OPERATING 122 WEST TAYLOR HOBBS, NM 88240 ATTN: CAROLYN DORAN HAYNES	EME Citation "C'
TRANSPORTER NAME & ADDRESS: WALTON CONSTRUCTION COMPANY INC. P.O. BOX 478 HOBBS, NM 88241-0478	
DESCRIPTION OF WASTE: NON-HAZARDOUS HYDROCARBONS	QUANTITY:
FACILITY CONTACT: CELL NUMBER MATERIAL PLACED IN: SIGNATURE OF TRANSPORTER (DRIVER): SIGNATURE OF DRIVER	10/03/cσ DATE β-1
DISPOSAL SITE SOUTH MONUMENT SURFACE WASTE FACILI P.O. BOX 418 HOBBS, NM 88241-0418 S25 T20S R36E N/2 NE/4 "As a condition of acceptance for disposal, I hereby certify the Environmental Protection Agency (EPA). The waste are: production operations; exempt from Rescource Conservation Regulations: and not mixed with non-exempt waste." FACILITY REPRESENTATIVE	nat this waste is an exempt waste as defined by generated from oil and gas exploration and

LEASE OPERATOR: RICE OPERATING 122 WEST TAYLOR HOBBS, NM 88240 ATTN: CAROLYN DORAN HAYNES	ORIGINATING LOCATION: EME Citation "C"
TRANSPORTER NAME & ADDRESS: WALTON CONSTRUCTION COMPANY INC. P.O. BOX 478 HOBBS, NM 88241-0478	
DESCRIPTION OF WASTE:	QUANTITY:
NON-HAZARDOUS HYDROCARBONS -	YDS.
FACILITY CONTACT: SIGNATURE OF CONTACT	DATE DATE
CELL NUMBER MATERIAL PLACED IN:	<u>B-1</u>
SIGNATURE OF TRANSPORTER (DRIVER): SIGNATURE OF DRIVER	10-3-03 DATE
DISPOSAL SITE SOUTH MONUMENT SURFACE WASTE FACILI P.O. BOX 418 HOBBS, NM 88241-0418 S25 T20S R36E N/2 NE/4	TTY
"As a condition of acceptance for disposal, I hereby certify the Environmental Protection Agency (EPA). The waste are production operations; exempt from Rescource Conservation Regulations: and not mixed with non-exempt waste." FACILITY REPRESENTATIVE	: generated from oil and gas exploration and

LEASE OPERATOR: RICE OPERATING 122 WEST TAYLOR HOBBS, NM 88240 ATTN: CAROLYN DORAN HAYNES	ORIGINATING LOCATION:
TRANSPORTER NAME & ADDRESS: WALTON CONSTRUCTION COMPANY INC. P.O. BOX 478 HOBBS, NM 88241-0478	
DESCRIPTION OF WASTE: NON-HAZARDOUS HYDROCARBONS	QUANTITY: YDS
FACILITY CONTACT: SIGNATURE OF CONTACT CELL NUMBER MATERIAL PLACED IN:	10/03/03 DATE B-1
SIGNATURE OF TRANSPORTER (DRIVER) SIGNATURE OF DRIVER): <u>/0-3-03</u> DATE
DISPOSAL SITE SOUTH MONUMENT SURFACE WASTE FACE P.O. BOX 418 HOBBS, NM 88241-0418 S25 T20S R36E N/2 NE/4	CILITY
"As a condition of acceptance for disposal, I hereby cert the Environmental Protection Agency (EPA). The waste production operations; exempt from Rescource Conserve Regulations: and not mixed with non-exempt waste." FACILITY REPRESENTATIVE	e are: generated from oil and gas exploration and

ET61 9-28-03

Finial Report Judeton bex 30x23x6 / For chey Liner

SITE EXCAVATION INFORMATION

citation & For

€6 C. es c. .. 6 C.

DATE DEPTH	CL	PID.	TPH Tony of RE	LAB	SOIL COMPOSITION
9-25-03 Bottomb	973 1180	10.1	44	<10	m, x
Ywall	536 256	12.4	167	<10	
Stackaile	777 1040	15.8	<i>8</i> 8	410	
N.Wall 15	381	3./	. 28	1	
5. W. IL 8°	5-46	9.6		1	
W. Wall 18'	384	7.4	92	į	
E.W.W.15'	304	3.2	62	i	_ :-
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10'E cont. from 8-13-03

ETGI 8-18-03

East side center point

Vert 15' Vert 16' Vert 17'

ppm 3989 ppm 3713 ppm 3484

color Light Sant color Light Sand color Light Sand

TPH No odor TPH No odor TPH No odor

Pio 4.2 Pio 1.0 Pio 1.0

Nert 18'

ppm 2006

color Lisht Brown Sand

TPM NO Odor

Pip .6

East side
Vertical Lateral
18' center

No. 18'

You Stort



LABORATORY TEST REPORT PETTIGREW and 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 Corporation

Attn: Carolyn Haynes

122 W. Taylor

Material:

Red Clay

Hobbs, NM 88240

Test Method:

ASTM: D 2922

Project:

Citation C

Date of Test:

October 7, 2003

Depth:

Finished Subgrade

Dry Density % Maximum Test No. Location % Moisture Depth

RTSG-1

Pit - 10' S. & 10' N of the SW Corner

102.5

18.3



Control Density:

104.2

ASTM: D 698

Optimum Moisture:

23.1%

Required Compaction:

95%

Lab No.:

Copies To:

03 6582-6583

Rice Operating

PETTIGREW and ASSOCIATES



LABORATORY TEST REPORT PETTIGREW and ASSOCIATES, P.A.

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DEBRA P. HICKS, P.E./L.S.I. WILLIAM M. HICKS. III, P.E./P.S.

To:

Rice Operating Corporation

Attn: Carolyn Haynes

122 W. Taylor Hobbs, NM 88240 Material:

Red Clay

Test Method:

ASTM: D 2922

Project:

Citation C

Date of Test:

October 6, 2003

Depth:

Finished Subgrade

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
SG-1	Pit - 10' E. & 10' N. of the SW Corner	92.3	20.5	•
SG-2	Pit - 10' S. & 7' E. of the NW Corner	85.9	23.0	



Control Density:

104.2

ASTM: D 698

Optimum Moisture:

23.1%

Required Compaction:

95%

Lab No.:

03 6153-6155a

Copies To:

Rice Operating

PETTIGREW and ASSOCIATES