1R - 428-14

# REPORTS

DATE:

DEC 4, 2002

1R-428-14

## FINAL

REPORT

### RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP		COUNTY	BOX	DIMENSIONS -	FEET
HOBBS	E-4-2	E	4	198	38E	LEA	Length	Width	Depth
LAND TYPE:	BLM	STATE	FEE LA	ANDOWNER	R OXY	PERMIAN	OTHE	:R	
Depth to Grou	indwater	<50	feet	NMOCE	SITE ASSE	SSMENT F	RANKING	SCORE:	20
Date Started	11/25	/2002	Date Co	mpleted	11/25/2002	OCD \	Vitness	N	0
Soil Excavated	i <u>40</u>	cubic ya	rd <b>s E</b> x	cavation L	ength12'	Width	12'	Depth	<u>8'</u> fe
Soil Disposed	<u> </u>	cubic ya	rds Of	ffsite Facility	/		Locatio	n	
FINAL ANAL	YTICAL R	ESULTS	S: Sampl	le Date	11/25/2	002	Sample I	Depth	8'
P	Procure 5-poil BTEX and (	Chloride lab	oratory test	results con	d 4-point com apleted by us NMOCD gu	ing an appro			
Sample	Benzene	Tol	uene E	thyl Benzene	Total Xylend	es GI	RO	DRO	Chlorides
Location	mg/kg		2/kg	mg/kg	mg/kg		1/kg	mg/kg	mg/kg
SIDEWALLS	<0.005 <0.005		005	<0.005 <0.005	<0.015 <0.015		10	<10 <10	71 71
General Description	on of Remed	al Action:	Delineated ve		gs. There was		CHLC	RIDE FIELD	TESTS
no indication of TPH Ir	mpact. Field tea	sts indicated s	amples were ι	ertically to 8' by	guidelines.	_		<del> </del>	
no indication of TPH In Backfilled with blended	mpact. Field teads	sts indicated s ured to surrou	amples were ι nding terrain.	ertically to 8' by	guidelines.		OCATION	DEPTH	mg/kg
no indication of TPH in Backfilled with blended SWD system abandor	mpact. Field tea d soil and conto nment and a jun	sts indicated surrou ction box is no	amples were unding terrain.  of required.	ertically to 8' by under NMOCE This site is pa	guidelines. art of the Hobbs	SII		DEPTH	
no indication of TPH In Backfilled with blended SWD system abandor Sample results from C	mpact. Field tead d soil and conto nment and a jun Cardinal found h	sts indicated surred to surrou ction box is no igher than exp	amples were unding terrain.  It required.  ected chloride	ertically to 8' by under NMOCD This site is pa s. Split samp	guidelines.  Int of the Hobbs  les were sent to	SII	OCATION DEWALLS	DEPTH	mg/kg 200
no indication of TPH in Backfilled with blended SWD system abandor Sample results from C Environmental Lab of	mpact. Field tead soil and conton ment and a jun cardinal found hard Texas for confir	ats indicated surrou ction box is no igher than exp mation and for	amples were unding terrain.  It required.  ected chlorides and chlorides and chlorides.	ertically to 8' by under NMOCE This site is pa s. Split samp of 71 ppm on to	guidelines.  Int of the Hobbs  les were sent to the bottom	SII	DEWALLS BOTTOM	DEPTH	mg/kg 200 150
no indication of TPH in Backfilled with blended SWD system abandor Sample results from C Environmental Lab of	mpact. Field tead soil and conton ment and a jun cardinal found hard Texas for confir	ats indicated surrou ction box is no igher than exp mation and for	amples were unding terrain.  It required.  ected chlorides and chlorides and chlorides.	ertically to 8' by under NMOCE This site is pa s. Split samp of 71 ppm on to	guidelines.  Int of the Hobbs  les were sent to the bottom	SII	DEWALLS BOTTOM	DEPTH	mg/kg 200 150
no indication of TPH in Backfilled with blended SWD system abandor Sample results from C Environmental Lab of	mpact. Field tead soil and conton ment and a jun cardinal found hard Texas for confir	ats indicated surrou ction box is no igher than exp mation and for	amples were unding terrain.  It required.  ected chlorides and chlorides and chlorides.	ertically to 8' by under NMOCE This site is pa s. Split samp of 71 ppm on to	guidelines.  Int of the Hobbs  les were sent to the bottom	SII	DEWALLS BOTTOM	DEPTH	mg/kg 200 150
no indication of TPH in Backfilled with blended SWD system abandor Sample results from C Environmental Lab of	mpact. Field tead soil and conton ment and a jun cardinal found hard Texas for confir	ats indicated surrou ction box is no igher than exp mation and for	amples were unding terrain.  It required.  ected chlorides and chlorides and chlorides.	ertically to 8' by under NMOCE This site is pa s. Split samp of 71 ppm on to	guidelines.  Int of the Hobbs  les were sent to the bottom	SII	DEWALLS BOTTOM	DEPTH	mg/kg 200 150
no indication of TPH in Backfilled with blended SWD system abandor Sample results from C Environmental Lab of	mpact. Field tead soil and conton ment and a jun cardinal found hard Texas for confir	ats indicated surrou ction box is no igher than exp mation and for	amples were unding terrain.  It required.  ected chlorides and chlorides and chlorides.	ertically to 8' by under NMOCE This site is pa s. Split samp of 71 ppm on to	guidelines.  Int of the Hobbs  les were sent to the bottom	SII	DEWALLS BOTTOM	DEPTH	mg/kg 200 150
no indication of TPH in Backfilled with blended SWD system abandor Sample results from C Environmental Lab of bottom composite and	mpact. Field tead soil and contonment and a jun cardinal found hardward for confirmal 17 ppm on the	ats indicated surred to surrou ction box is no igher than exp mation and for wall which we	amples were unding terrain. It required. In the company of the com	ertically to 8' by under NMOCE This site is pa s. Split sample of 71 ppm on the file of th	guidelines.  Int of the Hobbs  les were sent to the bottom eld test results.	AND COMF	DCATION DEWALLS BOTTOM Backfill	DEPTH	mg/kg 200 150 260
General Description of Indication of TPH in Backfilled with blender SWD system abandor Sample results from CEnvironmental Lab of bottom composite and IHEREB	mpact. Field tead soil and contonment and a jun cardinal found hardward for confirmation on the second seco	ats indicated surred to surrou ction box is no igher than exp mation and for wall which we	amples were unding terrain. It required. ected chlorides und chlorides or more compa	ertically to 8' by under NMOCE This site is particular straight in particular straight in particular straight in particular straight in the filter straight in t	guidelines.  Int of the Hobbs  Ies were sent to the bottom  eld test results.	AND COMF	DCATION DEWALLS BOTTOM Backfill	DEPTH S 7' 8' - THE BEST C	mg/kg 200 150 260



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

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

Receiving Date: 11/25/02 Reporting Date: 12/02/02

Project Number: NOT GIVEN

Project Name: HOBBS SWD SYSTEM

Project Location: JCT E-4-2

Sampling Date: 11/25/02 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: AH Analyzed By: BC/AH

ANALYSIS	DATE	11/26/02	11/26/02	11/26/02
H7251-1	5PT BTM COMPOSITE	<10.0	<10.0	1540
H7251-2	4PT WALL COMPOSITE	<10.0	<10.0	912
Quality Con	strol	827	826	950
True Value		800	800	1000
% Recover		103	103	95.0
Relative Pe	rcent Difference	10.9	1.1	2.0

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

Burges for Cash

Date

DEC 2002

RICE OPERATING
ROEBS, NM

H7251A.XLS



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

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

Receiving Date: 11/25/02 Reporting Date: 11/27/02

Project Number: NOT GIVEN

Project Name: HOBBS SWD SYSTEM

Project Location: JCT E-4-2

Sampling Date: 11/25/02

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS	DATE	11/26/02	11/26/02	11/26/02	11/26/02
H7251-1	5PT BTM COMPOSITE	<0.005	<0.005	<0.005	<0.015
H7251-2	4PT WALL COMPOSITE	<0.005	<0.005	<0.005	<0.015
Quality Co	ntrol	0.095	0.088	0.091	0.266
True Value	QC	0.100	0.100	0.100	0.300
% Recover	у	94.9	87.9	91.1	88.8
Relative Po	ercent Difference	5.0	4.6	1.3	1.0

METHOD: EPA SW-846 8260

Data

RICE OPERA HOBBS, N

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

SARDINAL LABORATORIES, INC.

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

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Company Name:	101 X	DOEVER FING CO		1						7710	LTO					¥	<b>ANALYSIS</b>		REQUEST	EST				П
Project Manager:	DA	, 6						P.O. #:	1	6	1.27							_						
Address: /	123 W. THYLON	30					Ť	Company:	any					_										
Chy: Avi	is Sa	State: N. N.   Zip: 854	" ×	in Circ	4			Attn:		1	uid	×							·····					
Phone #: 39	3939174 Fa	Fax#: 397-147	14	16				Address	.: S8:		•					<del></del>	<del>,</del>							
Project #:	Pro	Project Owner:						Clty:												·				
Project Name:	thibs 3000	Syskin						State:		~	Zip:													
Project Location:	" Let 6-4-	14.					_	Phone #:	# 0						h									
Sampler Name:	D. Anderson						_	Fax #:	٠,.				ς		<u>' , Ç</u>									
FOR LAB USE ONLY				L	¥	IRIX	1	É	PRESERV.	<u>₹</u>	SAMPLING	LING	ŋ		74									
Lab I.D.	Sample I.D.	.4MO(3) AO 8AR(9)	# CONTAINERS	ВЕТАМОИООЯ	MASTEWATER SOIL	CKNDE OIL	SENDE	OTHER:	ICE / COOF	: ЯЭНТО	DATE	TIME	21.10/17	rð FldL XZISI	13 HdL								······································	
H735i-1	S. ot him compers,	wak J			7			-			1/15	(36)	7	7	7		L	<u> </u>	_			_	_	
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PLEASE NOTE: Lability an imalyses. Al claims including	PLEASE NOTE: Labelity and Demages. Cardinal's lability and dient's exclavior remody for any datm arising whether based in contract or tort, shall be limited to the amount paid by the cleant for the amanges. At dains including those for negligence and any other cause whatboever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the ap	whe remedy for any dalm a tsoever shall be deemed we		Andres Tess m	de in w		ro tor	d by Co	of and a	thin 30 c	nount paid b	content or tort, shall be limited to the amount paid by the client for the large and received by Cardinal within 30 days after completion of the applicable	ŧ			[ ]	Terms and Conditions: laterest will be charged on all accents more fram 30 days past due at the rate of 24% per arrum from the original date of invoice,	Conditions t due at the	s: Interest e rate of 24	will be cha	riged on all	ferns and Conditions: laterest will be charged on all acceuts more fram 30 days past due at the rate of 24% per arrum from the original date of two	ore fran te of trvok	ğ
service. In no event what Ca.	service. In no event shall Cerdinal be lable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiation, affiliation or successors anising out of or related to the performance of services hereunder by Cerdinal, regardless of whether such claim is based upon any of the above stated ressors or otherwise.	umages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, se hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or offerwise.	ntation, egarde	busines	s Internation	eptions, ich clair	oes of t	ee, or k	es of pr	offs incu	rred by clien stated ressv	t, its subsidiaries, we or otherwise.				-	and all costs of collections, including attorney's fees	of collects.	iors, includ	Ing ettome	y's form.			
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CHECKED BY:

Received By: (Lab Staff)

400

Date:

(Initials)

Cool Intact

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

### ANALYTICAL REPORT

### **Prepared for:**

**DONNIE ANDERSON** RICE OPERATING CORP. **122 WEST TAYLOR HOBBS, NM 88240** 

**Project:** 

Hobbs SWD System

**PO#:** 

737

Order#:

G0205162

Report Date:

12/06/2002

**Certificates** 

**US EPA Laboratory Code TX00158** 

### **ENVIRONMENTAL LAB OF TEXAS**

### SAMPLE WORK LIST

RICE OPERATING CORP. 122 WEST TAYLOR

HOBBS, NM 88240

Order#:

G0205162

Project:

Jct. E-4-2

Project Name: Hobbs SWD System

Location:

Lea County, NM

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> 0205162-01	Sample : E-4-2 Btm Composite	Matrix:	Collected 11/25/02	Pate / Time Received 12/3/02	Container 4 oz glass	Preservative None
<u>La</u>	<i>b Testing:</i> Chloride	Rejected: No	Теп	19:30 np: 18 C		
0205162-02	E-4-2 Wall Composite	SOIL	11/25/02	12/3/02 19:30	4 oz glass	None
La	b Testing: Chloride	Rejected: No	Tem	ip: 18 C		

### **ENVIRONMENTAL LAB OF TEXAS**

### ANALYTICAL REPORT

DONNIE ANDERSON RICE OPERATING CORP. **122 WEST TAYLOR** HOBBS, NM 88240

Order#:

G0205162

Project:

Jct. E-4-2

Project Name:

**Hobbs SWD System** 

Location:

Lea County, NM

Lab ID:

0205162-01

Sample ID:

E-4-2 Btm Composite

**Test Parameters** 

Parameter Chloride

Result 70.9

Units mg/kg

Dilution **Factor** 1

<u>RL</u> 20

Method

9253

Analyzed **Analyst** 12/6/02

Date

SB

Lab ID:

0205162-02

Sample ID:

E-4-2 Wall Composite

**Test Parameters** 

Parameter Chloride

Result 70.9

Units mg/kg

Dilution **Factor** 1

<u>RL</u> 20

Method 9253

Analyzed 12/6/02

Date

<u>Analyst</u> 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**

### **QUALITY CONTROL REPORT**

### **Test Parameters**

Order#: G0205162

BLANK	SOIL	LAB-ID#	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	. , , , , , , , , , , , , , , , , , , ,	0003986-01			<20.0		
MS	SOIL	LAB-ID#	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0205162-01	70.9	1000	1060	98.9%	
MSD	SOIL	LAB-ID#	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0205162-01	70.9	1000	1060	98.9%	0.%
SRM	SOIL	LAB-ID#	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0003986-04		5000	4960	99.2%	

# Environmental Lab of Texas, Inc.

Odessa, Texas 79763 12600 West I-20 East

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

HOBBS SWD SYSTEM

Project Name:

Lea County NM

Project Loc:

Project #:

737

% %

Analyze For

TCLP:

JCT E-4-2

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

company Name Rice Operating Company

Project Manager: Donnie Anderson

Company Address: 122 W Taylor

city/state/Zip: Hobbs, NM 88240

Telephone No: 505-393-9174 Sampler Signature:

Fax No: 505-397-1471

TAT brabnat8 (eluberto&-erq) TAT H&UR 18°C Rajor cations/anions, TDS Temperature Upon Receipt Sample Containers Intact? Laboratory Comments: Metals: As Ag Ba Cd Cr Pb Hg Se TOTAL: TPH 8015M GRO/DRO 8001/2001 XT H9T 1.814 H9T 1830 Time /CF/ × × Other (specify): lios × Sindge 1918VV Other (Specify) enoM **'**08<sup>z</sup>H HOBN НСІ <sup>E</sup>ONH Fax results to D. Anderson: No. of Containers Time Sampled 11/25/2002 11/25/2002 Received by: Date Sampled 19:30 E-4-2 Wall Composite E-4-2 Btm Composite Darbe 12/3/02 Date 7450701 Special Instructions: AB # (lab use only) 070

51025 402





