

1R - 427 - 61

REPORTS

DATE:

5-16-2002

1Ro 427-61

FINAL REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	P-13	P	13	21S	35E	LEA	Length 10	Width 8	Depth 4

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER DASCO LAND COMPANY OTHER _____

Depth to Groundwater 149' feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 4/18/2002 Date Completed 4/19/2002 OCD Witness NO

Soil Excavated 45 cubic yards Excavation Length 21 Width 12 Depth 5 feet

Soil Disposed 12 cubic yards Offsite Facility SOUTH MONUMENT Location MONUMENT, NM

FINAL ANALYTICAL RESULTS: Sample Date 4/18/2002 Sample Depth 5'

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH,
BTEX and Chloride laboratory test results completed by using an approved lab 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
SIDEWALLS	<0.025	<0.025	<0.025	<0.025	<10	<10	691
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10	<10	549

General Description of Remedial Action: Delineated vertical and lateral extent.

Found all readings under NMOCD TPH guidelines. Installed compacted clay barrier and water proof junction box. Blended soil and backfilled. Natural attenuation will remediate the remaining hydrocarbon.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	4'	600
BOTTOM	5'	600
Remediated pile		549

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY
KNOWLEDGE AND BELIEF.

DATE May 16, 2002 PRINTED NAME D. E. Anderson

SIGNATURE *D. E. Anderson* TITLE Project Leader - Environmental

ANALYTICAL REPORT

Prepared for:

DEREK ROBINSON
RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768

Project: Rice Operating p-13
Order#: G0203120
Report Date: 04/26/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768
366-0804

Order#: G0203120
Project:
Project Name: Rice Operating
Location: EME P-13

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.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0203120-01	4 pt. Wall Comp. @4'	SOIL	4/18/02 3:10	4/19/02 8:00	4 oz Glass	ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 17C		
	8015M					
	8021B/5030 BTEX					
	Chloride					
0203120-02	5 pt. Bottom Comp. @5'	SOIL	4/18/02 3:35	4/19/02 8:00	4 oz Glass	ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 17C		
	8015M					
	8021B/5030 BTEX					
	Chloride					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DEREK ROBINSON
RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768

Order#: G0203120
Project:
Project Name: Rice Operating
Location: EME P-13

Lab ID: 0203120-01
Sample ID: 4 pt. Wall Comp. @4'

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		4/21/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
DRO, >C12-C35	<10.0	10.0
GRO, C6-C12	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0001382-02		4/23/02 20:22	1	25	CK	8021B

Parameter	Result µg/kg	RL
Benzene	<25.0	25.0
Ethylbenzene	<25.0	25.0
Toluene	<25.0	25.0
p/m-Xylene	<25.0	25.0
o-Xylene	<25.0	25.0

Lab ID: 0203120-02
Sample ID: 5 pt. Bottom Comp. @5'

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		4/21/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
DRO, >C12-C35	<10.0	10.0
GRO, C6-C12	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DEREK ROBINSON
RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768

Order#: G0203120
Project:
Project Name: Rice Operating
Location: EME P-13

Lab ID: 0203120-02
Sample ID: 5 pt. Bottom Comp. @5'

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0001382-02		4/23/02 16:00	1	25	CK	8021B

Parameter	Result μg/kg	RL
Benzene	<25.0	25.0
Ethylbenzene	<25.0	25.0
Toluene	<25.0	25.0
p/m-Xylene	<25.0	25.0
o-Xylene	<25.0	25.0

Approval: Raland K. Tuttle 4-27-02
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

ANALYTICAL REPORT

DEREK ROBINSON
RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768

Order#: G0203120
Project:
Project Name: Rice Operating
Location: EME P-13

Lab ID: 0203120-01
Sample ID: 4 pt. Wall Comp. @4'

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	691	mg/kg	1	10.0	9253	4/26/02	SB

Lab ID: 0203120-02
Sample ID: 5 pt. Bottom Comp. @5'

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	549	mg/kg	1	10.0	9253	4/26/02	SB

Approval:

Raland K. Tuttle 4-27-02
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

8015M

Order#: G0203120

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001354-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0203121-02	0	952	743	78.0%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0203121-02	0	952	724	76.1%	2.6%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001354-05		1000	829	82.9%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0203120

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-μg/kg		0001382-02			<25.0		
Ethylbenzene-μg/kg		0001382-02			<25.0		
Toluene-μg/kg		0001382-02			<25.0		
p/m-Xylene-μg/kg		0001382-02			<25.0		
o-Xylene-μg/kg		0001382-02			<25.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-μg/kg		0203120-01	0	100	102	102.0%	
Ethylbenzene-μg/kg		0203120-01	0	100	104	104.0%	
Toluene-μg/kg		0203120-01	0	100	104	104.0%	
p/m-Xylene-μg/kg		0203120-01	0	200	214	107.0%	
o-Xylene-μg/kg		0203120-01	0	100	104	104.0%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-μg/kg		0203120-01	102	100	105	105.0%	2.9%
Ethylbenzene-μg/kg		0203120-01	104	100	108	108.0%	3.8%
Toluene-μg/kg		0203120-01	104	100	106	106.0%	1.9%
p/m-Xylene-μg/kg		0203120-01	214	200	221	110.0%	3.2%
o-Xylene-μg/kg		0203120-01	104	100	107	107.0%	2.8%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-μg/kg		0001382-05		100	99.2	99.2%	
Ethylbenzene-μg/kg		0001382-05		100	106	106.0%	
Toluene-μg/kg		0001382-05		100	114	114.0%	
p/m-Xylene-μg/kg		0001382-05		200	213	106.5%	
o-Xylene-μg/kg		0001382-05		100	107	107.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0203120

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0001412-01			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0203120-01	691	500	1200	101.8%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0203120-01	691	500	1190	99.8%	0.8%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0001412-04		5000	5050	101.1%	

12600 West I-20 East
Odessa, Texas 79763

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

David Robinson
Fax: 315-363-1713

2.6. Environmental

Project Loc: ENE P-13

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TRANSPORTERS MANIFEST

MANIFEST# _____

SHIPPING FACILITY NAME & ADDRESS:

RICE OPERATING COMPANY
122 WEST TAYLOR
HOBBS, NM 88240

LOCATION OF MATERIAL:

SEC. 13 T 21 S R 35 E

SYSTEM EME SWD

JCT. P-13

ALL This Info must be on Sundance ticket

Co. Man Donnie Anderson

TRANSPORTER NAME & ADDRESS:

RE Environmental
Post Office Box 13418
Odessa, TX 79768

DESCRIPTION OF WASTE:

OILFIELD CONTAMINATED SOIL
EXEMPT

QUANTITY YARDS 12

FACILITY CONTACT:

Donnie Anderson

PHONE 370-5841

DATE

4-19-02

SIGNATURE OF CONTACT:

Donnie Anderson

NAME OF TRANSPORTER: (DRIVER)

DATE:

4-19-02

SIGNATURE OF DRIVER

Joe Rodriguez

DISPOSAL SITE:

SUNDANCE SERVICES INC.
PARABOL FACILITY
P.O. BOX 173
EUNICE, NM 88231

DATE:

SIGNATURE OF REPRESENTATIVE

South Monument Surface Waste Facility

S. Maddox Rd

(505) 393-3174

1 load of clay TO J-2
1 load of clay TO P-13
1 load of oily dirt TO South
Monument

EME P-13 Jet. Box Upgrade



Old Junction Box



NORM Removal



New Plumbing

EME P-13 Jct. Box Upgrade



Remediation



New Junction Box Construction