

1R - 427 - 117

REPORTS

DATE:

10-31-2001

427-117

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	H-31	H	31	19S	37E	LEA	Length	Width	Depth

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER _____ RED BIRD _____ OTHER _____

Depth to Groundwater NONE feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 08/29/2001 Date Completed 10/18/2001 OCD Witness NO

Soil Excavated 130 cubic yards Excavation Length 25 Width 12 Depth 12 feet

Soil Disposed 108 cubic yards Offsite Facility SOUTH MONUMENT Location MONUMENT, NM

FINAL ANALYTICAL RESULTS: Sample Date 10/18/2001 Sample Depth 12'

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	<.025	0.031	<.025	<.025	<10	21	558
BOTTOM	<.025	<.025	<.025	<.025	<100	2400	354
Boring @ 20'	<.025	<.025	<.025	<.025	<10	25	213

General Description of Remedial Action: A soil boring was completed on this site 10/4/01

and found redbed at 20' bgs. The boring was continued to 22' in the redbed. There is no ground-water at this site. Lab verification of the 20' sample showed no BTEX, 213 ppm chlorides, and 25 ppm TPH. The box was excavated to 12' bgs. The high impact soil was hauled to a NMOCD approved disposal facility and the site was backfilled with fresh soil. This site is no longer a junction and no box is required. This site will be seeded and fertilizer applied. Natural attenuation will remediate the remaining hydrocarbon.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	8'	310
BOTTOM	12'	275
Soil Boring	5'	50
	10'	275
	15'	100
	20'	200

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

DATE October 31, 2001 PRINTED NAME D. E. Anderson
SIGNATURE *D. E. Anderson* TITLE Project Leader - Environmental

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

RICE OPERATING COMPANY
ATTN: DONNIE ANDERSON
122 W TAYLOR
HOBBS, NM 88240
FAX: 505-393-1471

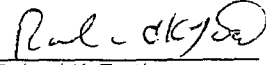
Sample Type: Soil
Sample Condition: Intact/ Iced/ 1.0 deg C
Project #: H-31
Project Name: EME Box Upgrade
Project Location: Lea County
PO#: 716

Sampling Date: 10/18/01
Receiving Date: 10/19/01
Analysis Date: 10/22/01

ELT#	FIELD CODE	Chloride mg/kg
0101807-01	H-31 Wall Composite	558
0101807-02	H-31 BTM Composite	354

QUALITY CONTROL	5050
TRUE VALUE	5000
% INSTRUMENT ACCURACY	101
SPIKED AMOUNT	500
ORIGINAL SAMPLE	558
SPIKE	1060
SPIKE DUP	1060
% EXTRACTION ACCURACY	100
BLANK	<5.00
RPD	0.0

Methods: SW 846-9253


Raland K. Tuttle

10-23-01
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

RICE OPERATING COMPANY
ATTN: DONNIE ANDERSON
122 W TAYLOR
HOBBS, NM 88240
FAX: 505-393-1471

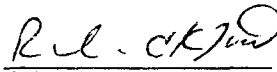
Sample Type: Soil
Sample Condition: Intact/ Iced/ 1.0 deg C
Project #: H-31
Project Name: EME Box Upgrade
Project Location: Lea County
PO#: 716

Sampling Date: 10/18/01
Receiving Date: 10/19/01
Analysis Date: 10/19/01

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
0101807-01	H-31 Wall Composite	<10	21
0101807-02	H-31 BTM Composite	<100	2400

QUALITY CONTROL	494	425
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	99	85
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	21
SPIKE	539	527
SPIKE DUP	606	619
% EXTRACTION ACCURACY	113	106
BLANK	<10	<10
RPD	10.5	16.0

Methods: SW 846-8015M


Raland K. Tuttle

10-23-01
Date

ENVIRONMENTAL LAB OF , Inc.

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ATTN: DONNIE ANDERSON
122 W. TAYLOR
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FAX: 505-393-1471

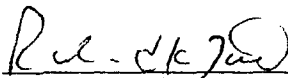
Sample Type: Soil
Sample Condition: Intact/ Iced/ 1.0 deg C
Project Name: EME Box Upgrade
Project #: H-31
Project Location: Lea County
PO#: 716

Sampling Date: 10/18/01
Receiving Date: 10/19/01
Analysis Date: 10/19/01

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
0101807-01	H-31 Wall Comp.	<0.025	0.031	<0.025	<0.025	<0.025
0101807-02	H-31 BTM Comp.	<0.025	<0.025	<0.025	<0.025	<0.025

QUALITY CONTROL	0.094	0.087	0.086	0.175	0.086
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% IA	94	87	86	88	86
SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE	<0.025	0.034	0.030	0.096	0.050
SPIKE	0.100	0.098	0.089	0.185	0.094
SPIKE DUP	0.097	0.091	0.085	0.174	0.087
%EA	100	97	88	90	92
BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
RPD	3.04	7.49	4.65	5.71	7.91

METHODS: EPA SW 846-8021B, 5030


Randal K. Tuttle

10-23-01
Date

Atkins Engineering
Associates, Inc.

2904 W. 2nd St., Roswell, NM 88202-3156

LOG OF BORING Rice H31 TH

(Page 1 of 1)

Rice Operating Co.
122 W. Taylor
Hobbs, New Mexico 88240

Contact: Donnie Anderson

Job#: RICENGI.AIR.01

Date : 10-04-01

Drill Start : 0830

Drill End : 1030

Boring Location : W. Monument 2 mi & S 1 mi

Site Location : West Monument

Auger Type : Hollow Stem

Logged By : Mort Bates

H-31

Depth in Feet	GRAPHIC	USCS	Samples CL. ppm	DESCRIPTION	Lab
0		SP		Sand w/ caliche, tan, loose, dry	
5		50		Caliche, white, firm, dry	
10		275			
15		100		Caliche w/ voids, tan, firm, dry	
20		200		Sandy clay, red, soft, moist	
	CL				
Total depth 22'					
25					

Bentonite

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

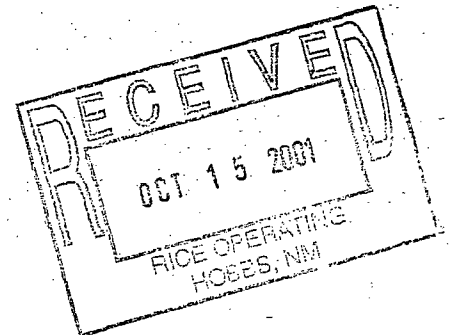
RICE OPERATING COMPANY
ATTN: DONNIE ANDERSON
122 W. TAYLOR
HOBBS, NM 88242
FAX: 505-397-1471

Sample Type: Soil
Sample Condition: Intact/ Iced/ 4.0 deg C
Project Name: EME Box Upgrade
Project #: H-31
Project Location: Lea County, NM
PO#: 716

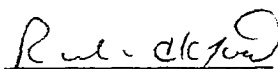
Sampling Date: 10/04/01
Receiving Date: 10/08/01
Analysis Date: 10/11/01

ELT#	FIELD CODE	Chloride mg/kg
0101738-01	Soil Boring 20'	213

QUALITY CONTROL	5050
TRUE VALUE	5000
% INSTRUMENT ACCURACY	101
SPIKED AMOUNT	500
ORIGINAL SAMPLE	585
SPIKE	1080
SPIKE DUP	1070
% EXTRACTION ACCURACY	99
BLANK	<5.00
RPD	0.93



Methods: SW 846-9253


Raland K. Tuttle

10-11-01
Date

ENVIRONMENTAL LAB OF , INC.

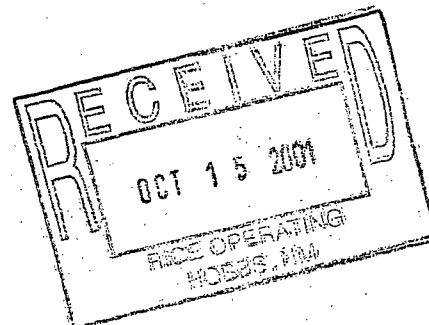
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ATTN: DONNIE ANDERSON
122 W. TAYLOR
HOBBS, NM 88242
FAX: 505-397-1471

Sample Type: Soil
Sample Condition: Intact/ Iced/ 4.0 deg C
Project Name: EME Box Upgrade
Project #: H-31
Project Location: Lea County, NM
PO#: 716

Sampling Date: 10/04/01
Receiving Date: 10/08/01
Analysis Date: 10/09/01

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
0101738-01	Soil Boring 20'	<10	25



QUALITY CONTROL:	573	513
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	115	103
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	<10
SPIKE	562	608
SPIKE DUP	555	604
% EXTRACTION ACCURACY	116	122
BLANK	<10	<10
RPD	1.25	0.66

Methods: SW 846-8015M

Ral K Tuttle
Raland K. Tuttle

10-11-01
Date

ENVIRONMENTAL LAB OF , INC.

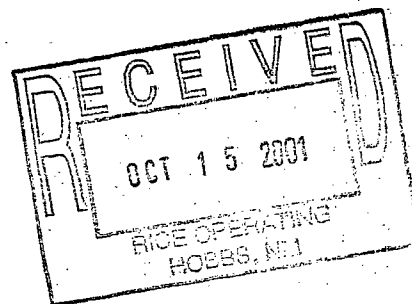
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HOBBS, NM 88242
FAX: 505-397-1471

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Sample Condition: Intact/ Iced/ 4.0 deg C
Project Name: EME Box Upgrade
Project #: H-31
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PO#: 716

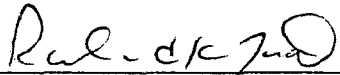
Sampling Date: 10/04/01
Receiving Date: 10/08/01
Analysis Date: 10/09/01

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
0101738-01	Soil Boring 20'	<0.025	<0.025	<0.025	<0.025	<0.025



QUALITY CONTROL	0.104	0.104	0.100	0.205	0.095
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% IA	104	104	100	102	95
SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE	<0.025	<0.025	<0.025	0.051	<0.025
SPIKE	0.099	0.091	0.088	0.176	0.089
SPIKE DUP	0.090	0.086	0.085	0.172	0.084
%EA	99	91	88	87	89
BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
RPD	9.52	5.65	3.47	2.32	5.78

METHODS: SW 846-8021B, 5030


Raland K. Tuttle

10-11-01
Date

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Company Name

Company Address:

City/State/Zip:

Telephone No:

Sampler Signature:

Project Name:

Project #:

Project Loc:

PO #:

Fax No: 359-1471

[Signature]

[illegible]

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4501

LEASE OPERATOR

ORIGINATING LOCATION: H-31

Sec T R

Rice Operating Corporation
122 W. Taylor
Hobbs, NM 88240
Attn: Donnie Anderson

TRANSPORTER NAME & ADDRESS

Dirt Works

Attn: Kena Kay Cooper

DESCRIPTION OF WASTE

Non-Hazardous Hydrocarbons

QUANTITY

12 yds.

FACILITY CONTACT:

[Signature]
SIGNATURE OF CONTACT

10/12/01

DATE

CELL NUMBER MATERIAL WAS PLACE IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

[Signature]
SIGNATURE OF DRIVER

10-12-01

DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C regulations; and not mixed with non-exempt waste."

[Signature]
FACILITY REPRESENTATIVE

10/12/01

DATE

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4502

LEASE OPERATOR

ORIGINATING LOCATION: H-31

Sec T R

Rice Operating Corporation
122 W. Taylor
Hobbs, NM 88240
Attn: Donnie Anderson

TRANSPORTER NAME & ADDRESS

Dirt Works

Attn: Kena Kay Cooper

DESCRIPTION OF WASTE

QUANTITY

Non-Hazardous Hydrocarbons

12 yds

FACILITY CONTACT:

SIGNATURE OF CONTACT

10/12/01
DATE

CELL NUMBER MATERIAL WAS PLACE IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

SIGNATURE OF DRIVER

10-12-01
DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C regulations; and not mixed with non-exempt waste."

FACILITY REPRESENTATIVE

DATE

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4503

LEASE OPERATOR

ORIGINATING LOCATION: H-31

Sec T R

Rice Operating Corporation
122 W. Taylor
Hobbs, NM 88240
Attn: Donnie Anderson

TRANSPORTER NAME & ADDRESS

Dirt Works

Attn: Kena Kay Cooper

DESCRIPTION OF WASTE

QUANTITY

Non-Hazardous Hydrocarbons

12 yds

FACILITY CONTACT:

Donnie Anderson
SIGNATURE OF CONTACT

10/12/01
DATE

CELL NUMBER MATERIAL WAS PLACED IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

Ken Cooper
SIGNATURE OF DRIVER

10-12-01
DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

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Donnie Anderson
FACILITY REPRESENTATIVE

10/12/01
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4504

LEASE OPERATOR

ORIGINATING LOCATION: H-31

Sec T R

Rice Operating Corporation
122 W. Taylor
Hobbs, NM 88240
Attn: Donnie Anderson

TRANSPORTER NAME & ADDRESS

Dirt Works

Attn: Kena Kay Cooper

DESCRIPTION OF WASTE

Non-Hazardous Hydrocarbons

QUANTITY

12 yds.

FACILITY CONTACT:

Kena Kay Cooper
SIGNATURE OF CONTACT

10/12/01
DATE

CELL NUMBER MATERIAL WAS PLACED IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

Jim Nichols
SIGNATURE OF DRIVER

10-12-01
DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

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Kena Kay Cooper
FACILITY REPRESENTATIVE

10/12/01
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4506

LEASE OPERATOR

ORIGINATING LOCATION: H-31

Sec T R

Rice Operating Corporation
122 W. Taylor
Hobbs, NM 88240
Attn: Donnie Anderson

TRANSPORTER NAME & ADDRESS

Dirt Works

Attn: Kena Kay Cooper

DESCRIPTION OF WASTE

QUANTITY

Non-Hazardous Hydrocarbons

12 ycb.

FACILITY CONTACT:

SIGNATURE OF CONTACT

DATE

CELL NUMBER MATERIAL WAS PLACE IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

SIGNATURE OF DRIVER

DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

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FACILITY REPRESENTATIVE

DATE

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4507

LEASE OPERATOR

ORIGINATING LOCATION: H-31

Sec T R

Rice Operating Corporation
122 W. Taylor
Hobbs, NM 88240
Attn: Donnie Anderson

TRANSPORTER NAME & ADDRESS

Dirt Works

Attn: Kena Kay Cooper

DESCRIPTION OF WASTE

QUANTITY

Non-Hazardous Hydrocarbons

12 yds

FACILITY CONTACT:

[Signature]
SIGNATURE OF CONTACT

10/12/01
DATE

CELL NUMBER MATERIAL WAS PLACE IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

[Signature]
SIGNATURE OF DRIVER

10-12-01
DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

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[Signature]
FACILITY REPRESENTATIVE

10/12/01
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4508

LEASE OPERATOR

ORIGINATING LOCATION: H-31

Sec T R

Rice Operating Corporation
122 W. Taylor
Hobbs, NM 88240
Attn: Donnie Anderson

TRANSPORTER NAME & ADDRESS

Dirt Works

Attn: Kena Kay Cooper

DESCRIPTION OF WASTE

QUANTITY

Non-Hazardous Hydrocarbons

12 yds.

FACILITY CONTACT:

Kena Kay Cooper
SIGNATURE OF CONTACT

10/12/01
DATE

CELL NUMBER MATERIAL WAS PLACED IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

Jim Hodel
SIGNATURE OF DRIVER

10-12-01
DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

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Kena Kay Cooper
FACILITY REPRESENTATIVE

10/12/01
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO #

4509

LEASE OPERATOR

ORIGINATING LOCATION: H-31

Sec T R

Rice Operating Corporation
122 W. Taylor
Hobbs, NM 88240
Attn: Donnie Anderson

TRANSPORTER NAME & ADDRESS

Dirt Works

Attn: Kena Kay Cooper

DESCRIPTION OF WASTE

QUANTITY

Non-Hazardous Hydrocarbons

12 yds.

FACILITY CONTACT

SIGNATURE OF CONTACT

DATE

CELL NUMBER MATERIAL WAS PLACED IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

SIGNATURE OF DRIVER

DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

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FACILITY REPRESENTATIVE

DATE

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4510

LEASE OPERATOR

ORIGINATING LOCATION: H-31

Sec T R

Rice Operating Corporation
122 W. Taylor
Hobbs, NM 88240
Attn: Donnie Anderson

TRANSPORTER NAME & ADDRESS

Dirt Works

Attn: Kena Kay Cooper

DESCRIPTION OF WASTE

QUANTITY

Non-Hazardous Hydrocarbons

12 yds

FACILITY CONTACT:

Kena Kay Cooper
SIGNATURE OF CONTACT

10/12/01
DATE

CELL NUMBER MATERIAL WAS PLACE IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

Ken O'Neil
SIGNATURE OF DRIVER

10-12-01
DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

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Kena Kay Cooper
FACILITY REPRESENTATIVE

10/12/01
DATE

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	H-31	H	31	19S	37E	LEA	Length 23	Width 8	Depth 4

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER _____ RED BIRD _____ OTHER _____

Depth to Groundwater NONE feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 08/29/2001 Date Completed 10/18/2001 OCD Witness NO

Soil Excavated 130 cubic yards Excavation Length 25 Width 10 Depth 14 feet

Soil Disposed 108 cubic yards Offsite Facility SOUTH MONUMENT Location MONUMENT, NM

FINAL ANALYTICAL RESULTS: Sample Date 10/18/2001 Sample Depth 12'

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.

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General Description of Remedial Action: A soil boring was completed on this site 10/4/01 and found redbed clay at 20' bgs. The boring was continued to 22' in the redbed. There is no ground water at this site. Lab verification of the 20' sample showed no BTEX, 213 ppm chlorides, and 25 ppm TPH. The box was excavated to 12' bgs and the walls were delineated to <700 ppm chlorides and <100 ppm TPH. The highly impacted soil was hauled to a NMOCD approved facility and the site was backfilled with fresh soil. This site is no longer a junction and no box is required. This site will be reseeded and fertilizer applied.

CHLORIDE FIELD TESTS

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BOTTOM	14'	275
Soil Boring	5'	50
	10'	275
	15'	100
	20'	200

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DATE 10/31/2001 PRINTED NAME D. E. Anderson

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

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

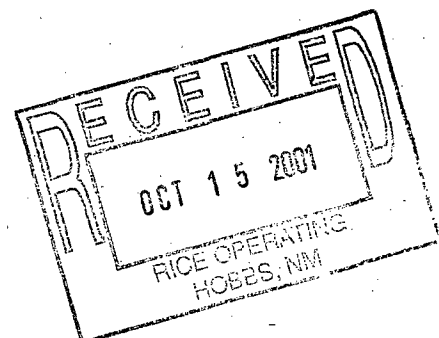
RICE OPERATING COMPANY
ATTN: DONNIE ANDERSON
122 W. TAYLOR
HOBBS, NM 88242
FAX: 505-397-1471

Sample Type: Soil
Sample Condition: Intact/ Iced/ 4.0 deg C
Project Name: EME Box Upgrade
Project #: H-31
Project Location: Lea County, NM
PO#: 716

Sampling Date: 10/04/01
Receiving Date: 10/08/01
Analysis Date: 10/11/01

ELT#	FIELD CODE	Chloride mg/kg
0101738-01	Soil Boring 20'	213

QUALITY CONTROL	5050
TRUE VALUE	5000
% INSTRUMENT ACCURACY	101
SPIKED AMOUNT	500
ORIGINAL SAMPLE	585
SPIKE	1080
SPIKE DUP	1070
% EXTRACTION ACCURACY	99
BLANK	<5.00
RPD	0.93



Methods: SW 846-9253


Randal K. Tuttle

10-11-01
Date

ENVIRONMENTAL LAB OF , INC.

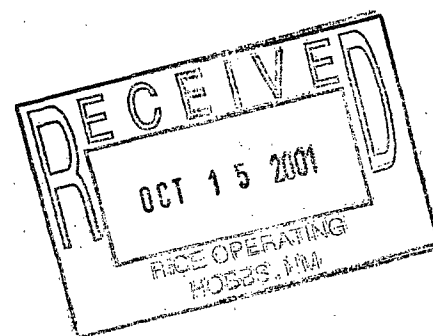
"Don't Treat Your Soil Like Dirt!"

RICE OPERATING COMPANY
ATTN: DONNIE ANDERSON
122 W. TAYLOR
HOBBS, NM 88242
FAX: 505-397-1471

Sample Type: Soil
Sample Condition: Intact/ Iced/ 4.0 deg C
Project Name: EME Box Upgrade
Project #: H-31
Project Location: Lea County, NM
PO#: 716

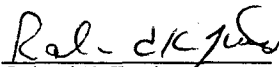
Sampling Date: 10/04/01
Receiving Date: 10/08/01
Analysis Date: 10/09/01

ELT #	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
0101738-01	Soil Boring 20'	<10	25



QUALITY CONTROL	573	513
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	115	103
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	<10
SPIKE	562	608
SPIKE DUP	555	604
% EXTRACTION ACCURACY	116	122
BLANK	<10	<10
RPD	1.25	0.66

Methods: SW 846-8015M


Raland K. Tuttle

10-11-01
Date

ENVIRONMENTAL LAB OF , INC.

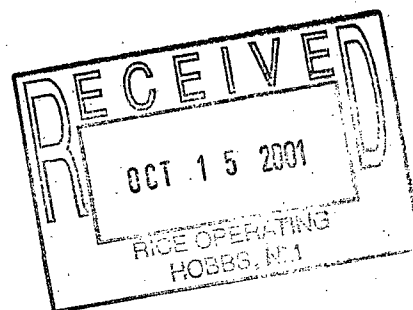
"Don't Treat Your Soil Like Dirt!"

RICE OPERATING COMPANY
ATTN: DONNIE ANDERSON
122 W. TAYLOR
HOBBS, NM 88242
FAX: 505-397-1471

Sample Type: Soil
Sample Condition: Intact/ Iced/ 4.0 deg C
Project Name: EME Box Upgarde
Project #: H-31
Project Location: Lea County, NM
PO#: 716

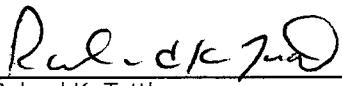
Sampling Date: 10/04/01
Receiving Date: 10/08/01
Analysis Date: 10/09/01

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
0101738-01	Soil Boring 20'	<0.025	<0.025	<0.025	<0.025	<0.025



QUALITY CONTROL	0.104	0.104	0.100	0.205	0.095
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% IA	104	104	100	102	95
SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE	<0.025	<0.025	<0.025	0.051	<0.025
SPIKE	0.099	0.091	0.088	0.176	0.089
SPIKE DUP	0.090	0.086	0.085	0.172	0.084
%EA	99	91	88	87	89
BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
RPD	9.52	5.65	3.47	2.32	5.78

METHODS: SW 846-8021B, 5030


Ral K. Tuttle

10-11-01
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

RICE OPERATING COMPANY
ATTN: DONNIE ANDERSON
122 W TAYLOR
HOBBS, NM 88240
FAX: 505-393-1471

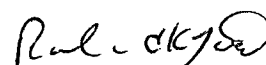
Sample Type: Soil
Sample Condition: Intact/ Iced/ 1.0 deg C
Project #: H-31
Project Name: EME Box Upgrade
Project Location: Lea County
PO#: 716

Sampling Date: 10/18/01
Receiving Date: 10/19/01
Analysis Date: 10/22/01

ELT #	FIELD CODE	Chloride mg/kg
0101807-01	H-31 Wall Composite	558
0101807-02	H-31 BTM Composite	354

QUALITY CONTROL	5050
TRUE VALUE	5000
% INSTRUMENT ACCURACY	101
SPIKED AMOUNT	500
ORIGINAL SAMPLE	558
SPIKE	1060
SPIKE DUP	1060
% EXTRACTION ACCURACY	100
BLANK	<5.00
RPD	0.0

Methods: SW 846-9253


Raland K. Tuttle

10-23-01
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

RICE OPERATING COMPANY
ATTN: DONNIE ANDERSON
122 W TAYLOR
HOBBS, NM 88240
FAX: 505-393-1471

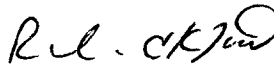
Sample Type: Soil
Sample Condition: Intact/ Iced/ 1.0 deg C
Project #: H-31
Project Name: EME Box Upgrade
Project Location: Lea County
PO#: 716

Sampling Date: 10/18/01
Receiving Date: 10/19/01
Analysis Date: 10/19/01

ELT#	FIELD CODE	GRO	DRO
		C6-C10 mg/kg	>C10-C28 mg/kg
0101807-01	H-31 Wall Composite	<10	21
0101807-02	H-31 BTM Composite	<100	2400

QUALITY CONTROL	494	425
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	99	85
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	21
SPIKE	539	527
SPIKE DUP	606	619
% EXTRACTION ACCURACY	113	106
BLANK	<10	<10
RPD	10.5	16.0

Methods: SW 846-8015M


Raland K. Tuttle

10-23-01
Date

ENVIRONMENTAL LAB OF , INC.

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ATTN: DONNIE ANDERSON
122 W. TAYLOR
HOBBS, NM 88240
FAX: 505-393-1471

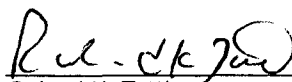
Sample Type: Soil
Sample Condition: Intact/ Iced/ 1.0 deg C
Project Name: EME Box Upgrade
Project #: H-31
Project Location: Lea County
PO#: 716

Sampling Date: 10/18/01
Receiving Date: 10/19/01
Analysis Date: 10/19/01

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
0101807-01	H-31 Wall Comp.	<0.025	0.031	<0.025	<0.025	<0.025
0101807-02	H-31 BTM Comp.	<0.025	<0.025	<0.025	<0.025	<0.025

QUALITY CONTROL	0.094	0.087	0.086	0.175	0.086
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% IA	94	87	86	88	86
SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE	<0.025	0.034	0.030	0.096	0.050
SPIKE	0.100	0.098	0.089	0.185	0.094
SPIKE DUP	0.097	0.091	0.085	0.174	0.087
%EA	100	97	88	90	92
BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
RPD	3.04	7.49	4.65	5.71	7.91

METHODS: EPA SW 846-8021B ,5030


Raland K. Tuttle

10-22-01
Date

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4501

LEASE OPERATOR

ORIGINATING LOCATION: H-31

Sec T R

Rice Operating Corporation
122 W. Taylor
Hobbs, NM 88240
Attn: Donnie Anderson

TRANSPORTER NAME & ADDRESS

Dirt Works

Attn: Kena Kay Cooper

DESCRIPTION OF WASTE

QUANTITY

Non-Hazardous Hydrocarbons

12 yds.

FACILITY CONTACT:

[Signature]
SIGNATURE OF CONTACT

10/12/01
DATE

CELL NUMBER MATERIAL WAS PLACED IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

[Signature]
SIGNATURE OF DRIVER

10-12-01
DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C regulations; and not mixed with non-exempt waste."

[Signature]
FACILITY REPRESENTATIVE

10/12/01
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4502

LEASE OPERATOR

ORIGINATING LOCATION: H-31

Sec T R

Rice Operating Corporation
122 W. Taylor
Hobbs, NM 88240
Attn: Donnie Anderson

TRANSPORTER NAME & ADDRESS

Dirt Works

Attn: Kena Kay Cooper

DESCRIPTION OF WASTE

QUANTITY

Non-Hazardous Hydrocarbons

12 yds

FACILITY CONTACT:

[Signature]
SIGNATURE OF CONTACT

10/12/01
DATE

CELL NUMBER MATERIAL WAS PLACE IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

[Signature]
SIGNATURE OF DRIVER

10-12-01
DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

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[Signature]
FACILITY REPRESENTATIVE

10/12/01
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4503

LEASE OPERATOR

ORIGINATING LOCATION: H-31

Sec T R

Rice Operating Corporation
122 W. Taylor
Hobbs, NM 88240
Attn: Donnie Anderson

TRANSPORTER NAME & ADDRESS

Dirt Works

Attn: Kena Kay Cooper

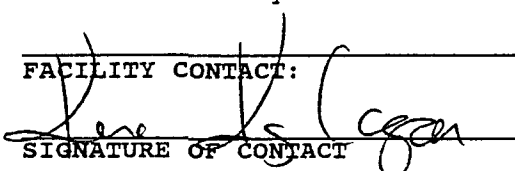
DESCRIPTION OF WASTE

QUANTITY

Non-Hazardous Hydrocarbons

12 yds

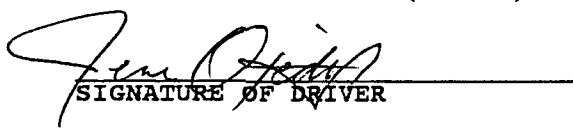
FACILITY CONTACT:


SIGNATURE OF CONTACT

10/12/01
DATE

CELL NUMBER MATERIAL WAS PLACED IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

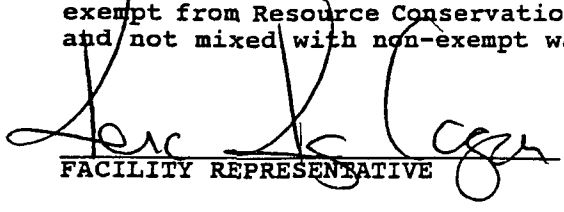

SIGNATURE OF DRIVER

10-12-01
DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

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FACILITY REPRESENTATIVE

10/12/01
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4504

LEASE OPERATOR

ORIGINATING LOCATION: H-31

Sec T R

Rice Operating Corporation
122 W. Taylor
Hobbs, NM 88240
Attn: Donnie Anderson

TRANSPORTER NAME & ADDRESS

Dirt Works

Attn: Kena Kay Cooper

DESCRIPTION OF WASTE

QUANTITY

Non-Hazardous Hydrocarbons

12 yds.

FACILITY CONTACT:

[Signature]
SIGNATURE OF CONTACT

10/12/01
DATE

CELL NUMBER MATERIAL WAS PLACED IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

[Signature]
SIGNATURE OF DRIVER

10-12-01
DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

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[Signature]
FACILITY REPRESENTATIVE

10/12/01
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4506

LEASE OPERATOR

ORIGINATING LOCATION: H-31

Sec T R

Rice Operating Corporation
122 W. Taylor
Hobbs, NM 88240
Attn: Donnie Anderson

TRANSPORTER NAME & ADDRESS

Dirt Works

Attn: Kena Kay Cooper

DESCRIPTION OF WASTE

QUANTITY

Non-Hazardous Hydrocarbons

12 yds.

FACILITY CONTACT:

[Signature]
SIGNATURE OF CONTACT

10/12/01
DATE

CELL NUMBER MATERIAL WAS PLACE IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

[Signature]
SIGNATURE OF DRIVER

10-12-01
DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

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[Signature]
FACILITY REPRESENTATIVE

10/12/01
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4507

LEASE OPERATOR

ORIGINATING LOCATION: H-31

Sec T R

Rice Operating Corporation
122 W. Taylor
Hobbs, NM 88240
Attn: Donnie Anderson

TRANSPORTER NAME & ADDRESS

Dirt Works

Attn: Kena Kay Cooper

DESCRIPTION OF WASTE

QUANTITY

Non-Hazardous Hydrocarbons

12 yds

FACILITY CONTACT:

[Signature]
SIGNATURE OF CONTACT

10/12/01
DATE

CELL NUMBER MATERIAL WAS PLACE IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

[Signature]
SIGNATURE OF DRIVER

10-12-01
DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

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[Signature]
FACILITY REPRESENTATIVE

10/12/01
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4508

LEASE OPERATOR

ORIGINATING LOCATION: H-31

Sec T R

Rice Operating Corporation
122 W. Taylor
Hobbs, NM 88240
Attn: Donnie Anderson

TRANSPORTER NAME & ADDRESS

Dirt Works

Attn: Kena Kay Cooper

DESCRIPTION OF WASTE

QUANTITY

Non-Hazardous Hydrocarbons

12 yds.

FACILITY CONTACT:

Kena Kay Cooper
SIGNATURE OF CONTACT

10/12/01
DATE

CELL NUMBER MATERIAL WAS PLACED IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

[Signature]
SIGNATURE OF DRIVER

10-12-01
DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

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[Signature]
FACILITY REPRESENTATIVE

10/12/01
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO #

4509

LEASE OPERATOR

ORIGINATING LOCATION: H-31

Sec T R

Rice Operating Corporation
122 W. Taylor
Hobbs, NM 88240
Attn: Donnie Anderson

TRANSPORTER NAME & ADDRESS

Dirt Works

Attn: Kena Kay Cooper

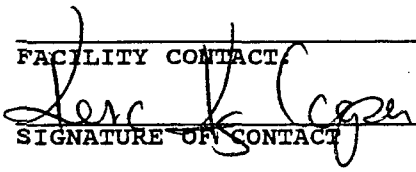
DESCRIPTION OF WASTE

QUANTITY

Non-Hazardous Hydrocarbons

12 yds.

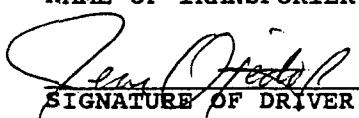
FACILITY CONTACT


SIGNATURE OF CONTACT

10/12/01
DATE

CELL NUMBER MATERIAL WAS PLACE IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

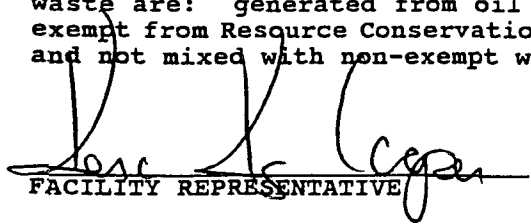

SIGNATURE OF DRIVER

10-12-01
DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

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FACILITY REPRESENTATIVE

10/12/01
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4510

LEASE OPERATOR

ORIGINATING LOCATION: H-31

Sec T R

Rice Operating Corporation
122 W. Taylor
Hobbs, NM 88240
Attn: Donnie Anderson

TRANSPORTER NAME & ADDRESS

Dirt Works

Attn: Kena Kay Cooper

DESCRIPTION OF WASTE

QUANTITY

Non-Hazardous Hydrocarbons

12 yds.

FACILITY CONTACT:

Kena Kay Cooper
SIGNATURE OF CONTACT

10/12/01
DATE

CELL NUMBER MATERIAL WAS PLACED IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

Jim [Signature]
SIGNATURE OF DRIVER

10-12-01
DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

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Kena Kay Cooper
FACILITY REPRESENTATIVE

10/12/01
DATE