

1R - 427 - 102

REPORTS

DATE:

11 - 30 - 2001

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

427-102

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	M-3-1A	M	3	21S	36E	LEA	Length 10	Width 10	Depth 5

LAND TYPE: BLM _____ STATE X FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 129 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 08/13/2001 Date Completed 10/22/2001 OCD Witness NO

Soil Excavated 122 cubic yards Excavation Length 22 Width 15 Depth 10 feet

Soil Disposed 48 cubic yards Offsite Facility SUNDANCE Location EUNICE, NM

FINAL ANALYTICAL RESULTS: Sample Date 10/22/2001 Sample Depth 10'

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	16	3300
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10	<10	3250
Boring @ 29'	<0.025	<0.025	<0.025	<0.025	<10	<10	392

General Description of Remedial Action: The site was delineated vertically and laterally

finding chlorides above acceptable levels. A soil boring was completed and demonstrated impact
probably stopped before reaching ground water. Chlorides declined from 2800 ppm at 10' bgs to
392 ppm at 29' bgs with no indications of TPH. The high impacted soil was removed to a permitted
disposal facility and fresh soil was blended for use as backfill. A compacted clay barrier and water
tight junction box was installed and backfilled.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	8'	3000
BOTTOM	10'	2700
Vertical Trench	14'	7500
Soil Boring	5'	1098
	10'	2836
	15'	1397
	20'	1893
	25'	459
	29'	392

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

DATE November 30, 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: 505-397-1471

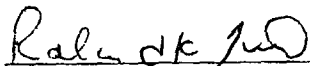
Sample Type: Soil
Sample Condition: Intact/ Iced/ 4.0 deg C
Project Name: EME Junction Box Upgrades
Project #: M-3-1A
Project Location: Lea County, NM
PO#: 716

Sampling Date: 10/22/01
Receiving Date: 10/31/01
Analysis Date: 11/01/01

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
0101905-01	Wall Composite	<0.025	<0.025	<0.025	<0.025	<0.025
0101905-02	Bottom Composite	<0.025	<0.025	<0.025	<0.025	<0.025

QUALITY CONTROL	0.091	0.091	0.086	0.172	0.085
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% IA	91	91	86	86	85
SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE	0.161	0.328	0.308	1.25	0.184
SPIKE	0.109	0.113	0.113	0.252	0.107
SPIKE DUP	0.105	0.108	0.105	0.245	0.098
%EA	103	100	101	101	100
BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
RPD	3.96	5.13	8.25	3.02	9.42

METHODS: EPA SW 846-8021B ,5030


Raland K. Tuttle

11-08-01
Date

ENVIRONMENTAL LAB OF , INC.

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RICE OPERATING COMPANY
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FAX: 505-397-1471

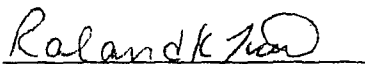
Sample Type: Soil
Sample Condition: Intact/ Iced/ 4.0 deg C
Project Name: EME Junction Box Upgrades
Project #: M-3-1A
Project Location: Lea County, NM
PO#: 716

Sampling Date: 10/22/01
Receiving Date: 10/31/01
Analysis Date: 11/08/01

ELT#	Field Code	Chloride mg/kg
0101905-01	Wall Composite	3300
0101905-02	Bottom Composite	3250

QUALITY CONTROL	5050
TRUE VALUE	5000
% INSTRUMENT ACCURACY	101
SPIKED AMOUNT	1000
ORIGINAL SAMPLE	284
SPIKE	1205
SPIKE DUP	1240
% EXTRACTION ACCURACY	96
BLANK	<5.00
RPD	2.85

METHODS: SW 846-9253


Raland K. Tuttle

11-08-01
Date

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ATTN: DONNIE ANDERSON
122 W. TAYLOR
HOBBS, NM 88240
FAX: 505-397-1471


Sample Type: Soil
Sample Condition: Intact/ Iced/ 4.0 deg C
Project Name: EME Junction Box Upgrades
Project #: M-3-1A
Project Location: Lea County, NM

Sampling Date: 10/22/01
Receiving Date: 10/31/01
Analysis Date: 11/01/01

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
0101905-01	Wall Composite	<10	16
0101905-02	Bottom Composite	<10	<10

QUALITY CONTROL	480	515
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	96	103
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	16
SPIKE	500	542
SPIKE DUP	490	529
% EXTRACTION ACCURACY	103	108
BLANK	<10	<10
RPD	2.02	2.43

Methods: SW 846-8015M


Ralank K. Tuttle

11-08-01
Date

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

Project Manager: Donnie Anderson

Project Name: EME Junction Box upgrades

Company Name Rice Operating Company

Project #: M-3-1A

Company Address: 122 W Taylor

Project Loc: Lea County NM

City/State/Zip: Hobbs, NM 88240

PO# 716

Telephone No: 505-393-8174

Fax No: 505-397-1471

Sampler Signature:

393-8114
A. J. Mueller

Nov 08 01 05:55p

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

RICE OPERATING CO.
ATTN: MR. DONNIE ANDERSON
122 W. TAYLOR
HOBBS, NM 88240
FAX: 505-397-1471

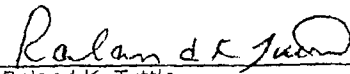
Sample Type: Soil
Sample Condition: Intact/ Iced/ 3 deg C
Project Name: EME Box Upgrade
Project #: M3-1A
Project Location: Lea County
PO#: 692

Sampling Date: 09/18/01
Receiving Date: 09/24/01
Analysis Date: 09/25/01

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
0101624-01	29' Soil Boring	<0.025	<0.025	<0.025	<0.025	<0.025

QUALITY CONTROL	0.100	0.100	0.097	0.199	0.092
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% IA	100	100	97	100	92
SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE	<0.025	<0.025	<0.025	0.039	<0.025
SPIKE	0.104	0.101	0.100	0.204	0.095
SPIKE DUP	0.101	0.097	0.097	0.198	0.093
%EA	104	101	100	101	95
BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
RPD	2.93	4.04	3.04	3.16	2.13

METHODS: EPA SW 846-8021B ,5030


Raland K. Tuttle

9-27-01
Date

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ATTN: MR. DONNIE ANDERSON
122 W. TAYLOR
HOBBS, NM 88240
FAX: 505-397-1471


Sample Type: Soil
Sample Condition: Intact/ Iced/ 3 deg C
Project Name: EME Box Upgrade
Project #: M-3-1A
Project Location: Lea Coounty
PO#: 692

Sampling Date: 09/18/01
Receiving Date: 09/24/01
Analysis Date: 09/25/01

ELT#	FIELD CODE	GRO	DRO
		C6-C10 mg/kg	>C10-C28 mg/kg
0101624-01	29' Soil Boring	<10	<10

QUALITY CONTROL	460	480
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	92	96
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	<10
SPIKE	501	508
SPIKE DUP	504	502
% EXTRACTION ACCURACY	105	107
BLANK	<10	<10
RPD	0.95	1.89

Methods: SW 846-8015M


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9-27-01
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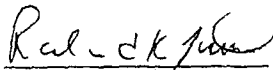
Sample Type: Soil
Sample Condition: Intact/ Iced/ 3 deg C
Project Name: EME Box Upgrade
Project #: M-3-1A
Project Location: Lea County
PO#: 692

Sampling Date: 09/18/01
Receiving Date: 09/24/01
Analysis Date: 09/26/01

ELT#	FIELD CODE	Chloride mg/kg
0101624-01	29' Soil Boring	392

QUALITY CONTROL	5050
TRUE VALUE	5000
% INSTRUMENT ACCURACY	101
SPIKED AMOUNT	526
ORIGINAL SAMPLE	392
SPIKE	933
SPIKE DUP	924
% EXTRACTION ACCURACY	101
BLANK	<5.00
RPD	0.97

Methods: SW 846-9253


Raland K. Tuttle

9-27-01
Date

DRILLING LOG		Site Name/Location			Logged by: DEA						
RICE Operating Company 122 West Taylor Hobbs, New Mexico 88240 Phone: (505) 393-9174 Fax: (505) 397-1471		Jct. Box M-3-1A 3-T21S-R36E EME SWD System Lea County, NM			Well No:	N/A	Date Drilled:	9/18/01	Driller:	Adkins	Construction Plugged boring w/ 26' bentonite, water & backfill
					Well Depth:	N/A	Boring Depth:	28'	Well Material:	N/A	
					Casing Length:	N/A	Boring Diameter:	2.5"	Casing Size:	N/A	
					Screen Length:	N/A	Drilling Method:	Air Rotary	Slot Size:	N/A	
					TEST						
DEPTH	SUBSURFACE LITHOLOGY	SAMPLE TYPE	(ppm)	REMARKS	Boring						
0	Ground surface		CF								
1	Sand	Grab									
2											
3											
4											
5	Sand		1098								
6											
7											
8	Dry caliche rock										
9											
10	Dry caliche		2836								
11											
12											
13											
14											
15	Dry caliche		1397								
16											
17											
18											
19											
20	Sandstone		1893								
21											
22	Dry sandy caliche		1063								
23											
24											
25	Dry sand		459								
26											
27											
28	Dry sand										
29		Lab	392	No TPH							

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, NM 88231
(505) 394-2511

11 4171

LEASE OPERATOR/SHIPPER/COMPANY:

LEASE NAME: ~~SEB~~ AFE-H-69

TRANSPORTER COMPANY: TIME: AM/PM

DATE: VEHICLE NO.: DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

- | | | |
|---|--|---|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Completion Fluids |
| <input type="checkbox"/> Tank Bottoms | <input type="checkbox"/> Contaminated soil | <input type="checkbox"/> C-117 No.: <u> </u> |
| <input type="checkbox"/> Other Material: | <input type="checkbox"/> BS&W Content: <u> </u> | |

Description:

VOLUME OF MATERIAL ☐ BBLs. : ☐ YARD 12 : ☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001, et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER:
(SIGNATURE)

FACILITY REPRESENTATIVE:
(SIGNATURE)

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, NM 88231
(505) 394-2511

110 72185

LEASE OPERATOR/SHIPPER/COMPANY:

LEASE NAME: ~~Sundance~~ *Test. 111* *AFE-H-692*

TRANSPORTER COMPANY: *Wash. Co. Inc.*

TIME:

AM/PM

DATE: *7-1-01*

VEHICLE NO.:

DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Completion Fluids

☐ Tank Bottoms

☒ Contaminated soil

☐ C-117 No.:

☐ Other Material:

☐ BS&W Content:

Description: *oil, dirt*

VOLUME OF MATERIAL ☐ BBLs. _____ :

☐ YARD *12* :

☐ _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001, et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White-Sundance Canary-Sundance Acct#1 Pink-Sundance Acct#2 Gold-Transporter
Revised 12/27/95

RESULTS

RESULTS

LEASE NAME: ~~XXXXXXXXXX~~ AFE-H-697

TIME: AM/PM

DRIVER NO.:

TYPE OF MATERIAL _____

☐ Completion Fluids
☐ C-117 No.: _____

Description: 2' x 6' x 8'

VOLUME OF MATERIAL [] BBLs. _____ : [] YARD _____ : [] _____

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER: _____
(SIGNATURE)

FACILITY REPRESENTATIVE: _____
(SIGNATURE)

White-Sundance Canary-Sundance Acct#1 Pink-Sundance Acct#2 Gold-Transporter
Revised 12/27/95

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, NM 88231
(505) 394-2511

42176

LEASE OPERATOR/SHIPPER/COMPANY: ACE

LEASE NAME: ACE-H-692

TRANSPORTER COMPANY: ACE

TIME: 10:00

AM/PM

DATE: 7/15/95

VEHICLE NO.: 103

DRIVER NO.: 103

CHARGE TO: Rice

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Completion Fluids

☐ Tank Bottoms

☐ Contaminated soil

☐ C-117 No.: 103

☐ Other Material:

☐ BS&W Content: 103

Description: 103

VOLUME OF MATERIAL ☐ BBLs. 103

☐ YARD 103

☐

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001, et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: 103

(SIGNATURE)

FACILITY REPRESENTATIVE: 103

(SIGNATURE)

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	M-3-1A	M	3	21S	36E	LEA	Length 10	Width 10	Depth 5

LAND TYPE: BLM _____ STATE X FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 129 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 08/13/2001 Date Completed 10/22/2001 OCD Witness NO

Soil Excavated 100 cubic yards Excavation Length 22 Width 15 Depth 10 feet

Soil Disposed 48 cubic yards Offsite Facility SUNDANCE Location EUNICE, NM

FINAL ANALYTICAL RESULTS: Sample Date 10/22/2001 Sample Depth 10'

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	16	3300
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10	<10	3250

General Description of Remedial Action: The site was delineated vertically and laterally
finding chlorides above acceptable levels. A soil boring was completed and demonstrated no impact to ground water. Chlorides declined from 2800 ppm at 15' bgs to 460 ppm at 25' bgs with no indications of TPH. The high impacted soil was removed to a permitted disposal facility and fresh soil was blended to use for backfill. A compacted clay barrier and water proof junction box was installed and backfilled.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	8'	3000
BOTTOM	10'	2700
Soil Boring	5'	1098
	10'	2836
	15'	1397
	20'	1893
	25'	459

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

DATE 11/30/2001 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
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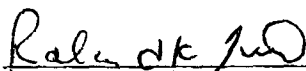
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Sample Condition: Intact/ Iced/ 4.0 deg C
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Project #: M-3-1A
Project Location: Lea County, NM
PO#: 716

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Receiving Date: 10/31/01
Analysis Date: 11/01/01

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
0101905-01	Wall Composite	<0.025	<0.025	<0.025	<0.025	<0.025
0101905-02	Bottom Composite	<0.025	<0.025	<0.025	<0.025	<0.025

QUALITY CONTROL	0.091	0.091	0.086	0.172	0.085
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% IA	91	91	86	86	85
SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE	0.161	0.328	0.308	1.25	0.184
SPIKE	0.109	0.113	0.113	0.252	0.107
SPIKE DUP	0.105	0.108	0.105	0.245	0.098
%EA	103	100	101	101	100
BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
RPD	3.96	5.13	8.25	3.02	9.42

METHODS: EPA SW 846-8021B, 5030


Raland K. Tuttle

11-08-01
Date

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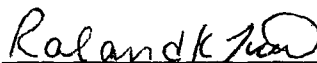
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Sample Condition: Intact/ Iced/ 4.0 deg C
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Project #: M-3-1A
Project Location: Lea County, NM
PO#: 716

Sampling Date: 10/22/01
Receiving Date: 10/31/01
Analysis Date: 11/08/01

ELT#	Field Code	Chloride mg/kg
0101905-01	Wall Composite	3300
0101905-02	Bottom Composite	3250

QUALITY CONTROL	5050
TRUE VALUE	5000
% INSTRUMENT ACCURACY	101
SPIKED AMOUNT	1000
ORIGINAL SAMPLE	284
SPIKE	1205
SPIKE DUP	1240
% EXTRACTION ACCURACY	96
BLANK	<5.00
RPD	2.85

METHODS: SW 846-9253


Ralanda K. Tuttle

11-08-01
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: 505-397-1471

Sample Type: Soil
Sample Condition: Intact/ Iced/ 4.0 deg C
Project Name: EME Junction Box Upgrades
Project #: M-3-1A
Project Location: Lea County, NM

Sampling Date: 10/22/01
Receiving Date: 10/31/01
Analysis Date: 11/01/01

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
0101905-01	Wall Composite	<10	16
0101905-02	Bottom Composite	<10	<10

QUALITY CONTROL	480	515
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	96	103
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	16
SPIKE	500	542
SPIKE DUP	490	529
% EXTRACTION ACCURACY	103	108
BLANK	<10	<10
RPD	2.02	2.43

Methods: SW 846-8015M


Raland K. Tuttle

11-08-01
Date

Ch. Thompson

file

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122 W. TAYLOR
HOBBS, NM 88240
FAX: 505-397-1471

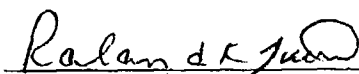
Sample Type: Soil
Sample Condition: Intact/ Iced/ 3 deg C
Project Name: EME Box Upgrade
Project #: M-3-1A
Project Location: Lea County
PO#: 692

Sampling Date: 09/18/01
Receiving Date: 09/24/01
Analysis Date: 09/25/01

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
0101624-01	29' Soil Boring	<0.025	<0.025	<0.025	<0.025	<0.025

QUALITY CONTROL	0.100	0.100	0.097	0.199	0.092
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% IA	100	100	97	100	92
SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE	<0.025	<0.025	<0.025	0.039	<0.025
SPIKE	0.104	0.101	0.100	0.204	0.095
SPIKE DUP	0.101	0.097	0.097	0.198	0.093
%EA	104	101	100	101	95
BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
RPD	2.93	4.04	3.04	3.16	2.13

METHODS: EPA SW 846-8021B ,5030


Raland K. Tuttle

9-27-01
Date

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"Don't Treat Your Soil Like Dirt!"

RICE OPERATING CO.
ATTN: MR. DONNIE ANDERSON
122 W. TAYLOR
HOBBS, NM 88240
FAX: 505-397-1471

Sample Type: Soil
Sample Condition: Intact/ Iced/ 3 deg C
Project Name: EME Box Upgrade
Project #: M-3-1A
Project Location: Lea Coounty
PO#: 692

Sampling Date: 09/18/01
Receiving Date: 09/24/01
Analysis Date: 09/25/01

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
0101624-01	29' Soil Boring	<10	<10

QUALITY CONTROL	460	480
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	92	96
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	<10
SPIKE	501	508
SPIKE DUP	504	502
% EXTRACTION ACCURACY	105	107
BLANK	<10	<10
RPD	0.95	1.89

Methods: SW 846-8015M


Ral K. Tuttle

9-27-01
Date

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"Don't Treat Your Soil Like Dirt!"

RICE OPERATING CO.
ATTN: MR. DONNIE ANDERSON
122 W. TAYLOR
HOBBS, NM 88240
FAX: 505-397-1471

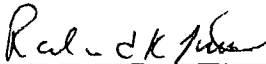
Sample Type: Soil
Sample Condition: Intact/ Iced/ 3 deg C
Project Name: EME Box Upgrade
Project #: M-3-1A
Project Location: Lea County
PO#: 692

Sampling Date: 09/18/01
Receiving Date: 09/24/01
Analysis Date: 09/26/01

ELT #	FIELD CODE	Chloride mg/kg
0101624-01	29' Soil Boring	392

QUALITY CONTROL	5050
TRUE VALUE	5000
% INSTRUMENT ACCURACY	101
SPIKED AMOUNT	526
ORIGINAL SAMPLE	392
SPIKE	933
SPIKE DUP	924
% EXTRACTION ACCURACY	101
BLANK	<5.00
RPD	0.97

Methods: SW 846-9253


Raland K. Tuttle

9-27-01
Date

[illegible]

DRILLING LOG		Site Name/Location		Well No.		Date Drilled:		Driller:		Logged by:			
RICE Operating Company		Jct. Box M-3-1A		N/A		9/18/01		Adkins		DEA			
122 West Taylor		3-T21S-R36E		Well Depth: N/A		Boring Depth: 28'		Well Material: N/A		Construction:			
Hobbs, New Mexico 88240		EME		Casing Length: N/A		Boring Diameter: 2.5"		Casing Size: N/A		Plugged boring			
Phone: (505) 393-9174		SWD System		Screen Length: N/A		Drilling Method: Air Rotary		Slot Size: N/A		w/ 26' bentonite,			
Fax: (505) 397-1471		Lea County, NM										water & backfill	
TEST													
DEPTH	SUBSURFACE LITHOLOGY	SAMPLE TYPE	(ppm)	REMARKS	Boring								
0	Ground surface		Cl										
1	Sand	Grab											
2													
3													
4													
5	Sand		1098										
6													
7													
8	Dry caliche rock												
9													
10	Dry caliche		2836										
11													
12													
13													
14													
15	Dry caliche		1397										
16													
17													
18													
19													
20	Sandstone		1893										
21													
22	Dry sandy caliche		1063										
23													
24													
25	Dry sand		459										
26													
27													
28	Dry sand												
29		Lab	392	No TPH									

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, NM 88231
(505) 394-2511

NE 41171

LEASE OPERATOR/SHIPPER/COMPANY: *Waco*

LEASE NAME: *333 14 5-1 AFE-H-69*

TRANSPORTER COMPANY: *Dart Trucks*

TIME:

AM/PM

DATE: *7-9-95*

VEHICLE NO.: *1*

DRIVER NO.:

CHARGE TO: *Rkt*

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Completion Fluids

☐ Tank Bottoms

☒ Contaminated soil

☐ C-117 No.: _____

☐ Other Material:

☐ BS&W Content: _____

Description: *oil field*

VOLUME OF MATERIAL ☐ BBLs. _____ :

☐ YARD *12* :

☐ _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001, et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: *[Signature]*

(SIGNATURE)

FACILITY REPRESENTATIVE: *[Signature]*

(SIGNATURE)

White-Sundance Canary-Sundance Acct#1 Pink-Sundance Acct#2 Gold-Transporter
Revised 12/27/95

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, NM 88231
(505) 394-2511

NC 42185

LEASE OPERATOR/SHIPPER/COMPANY: Price

LEASE NAME: ~~SE~~ ~~SEA~~ Test. 11 5-1 AFE-H-692

TRANSPORTER COMPANY: Dad works

TIME: AM/PM

DATE: 7-7-01

VEHICLE NO.: 1

DRIVER NO.:

CHARGE TO: W.O.

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Completion Fluids

☐ Tank Bottoms

☒ Contaminated soil

☐ C-117 No.:

☐ Other Material:

☐ BS&W Content:

Description: city ch

VOLUME OF MATERIAL ☐ BBLs. _____ :

☐ YARD 12 :

☐ _____

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White-Sundance Canary-Sundance Acct#1 Pink-Sundance Acct#2 Gold-Transporter
Revised 12/27/95

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, NM 88231
(505) 394-2511

NO 42181

LEASE OPERATOR/SHIPPER/COMPANY: Rico

LEASE NAME: ~~333~~ ~~111~~ AFE-H-692

TRANSPORTER COMPANY: White-Sundance

TIME:

AM/PM

DATE: 7/2/95

VEHICLE NO.: 1

DRIVER NO.:

CHARGE TO: Rico

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Completion Fluids

☐ Tank Bottoms

☒ Contaminated soil

☐ C-117 No.:

☐ Other Material:

☐ BS&W Content: _____

Description: soil

VOLUME OF MATERIAL ☐ BBLs. _____ :

☐ YARD 12 :

☐ _____

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DRIVER: Tony Turner

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White-Sundance Canary-Sundance Acct#1 Pink-Sundance Acct#2 Gold-Transporter
Revised 12/27/95

P.O. Box 1737 ★ Eunice, NM 88231
(505) 394-2511

42176

LEASE NAME:**TRANSPORTER COMPANY:**

TIME:

AM/PM

DATE:

VEHICLE NO.:

DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

[] Production Water

☐ Tank Bottoms

☐ Other Material:

[] Drilling Fluids

☒ Contaminated soil

BS&W Content:

[] Completion Fluids

[] C-117 No.:

Description:

VOLUME OF MATERIAL [] BBLs.

[] YARD

[]

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White-Sundance Canary-Sundance Acct#1 Pink-Sundance Acct#2 Gold-Transporter

Revised 12/27/95