

1R - 426-75

REPORTS

DATE:

11/29/2001

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

1R-426-75

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
BD	H-4	H	4	22S	37E	LEA	Length 12	Width 12	Depth 6

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

Depth to Groundwater 90 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 11/13/2001 Date Completed 11/27/2001 OCD Witness NO

Soil Excavated 267 cubic yards Excavation Length 30 Width 30 Depth 8 feet

Soil Disposed 58 cubic yards Offsite Facility SUNDANCE Location EUNICE, NM

FINAL ANALYTICAL RESULTS: Sample Date 11/15/2001 Sample Depth 8'

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	28	1450
BOTTOM	< 0.025	< 0.025	< 0.025	< 0.025	< 10	112	1100

General Description of Remedial Action: Delineated vertical and lateral extent to below

NMOCD guidelines. Hauled high impacted soil to Sundance and blended fresh soil to below

NMOCD guidelines. Installed compacted clay liner as a barrier to inhibit vertical transmissivity and backfilled. Natural attenuation will remediate remaining hydrocarbon. Installed water tight junction box.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	7'	1500
BOTTOM	8'	1100

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

DATE 11/29/2001 PRINTED NAME D. E. Anderson
SIGNATURE *D. E. Anderson* TITLE Project Leader - Environmental

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

RE ENVIRONMENTAL
ATTN: MR. DEREK ROBINSON
P.O. BOX 13418
ODESSA, TEXAS 79768-3418
FAX: 366-0804
FAX: 505-397-1471 (Donnie Anderson)

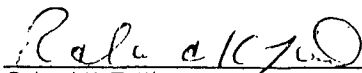
Sample Type: Soil
Sample Condition: Intact/ Iced/ 19.0 deg C
Project Name: Rice Operating
Project #: None Given
Project Location: H-4 Junction

Sampling Date: 11/15/01
Receiving Date: 11/16/01
Analysis Date: 11/16/01

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
0102033-01	4 pt. Wall Comp. @ 7'	<0.025	0.025	<0.025	<0.025	<0.025
0102033-02	Bottom Comp. @ 8'	<0.025	<0.025	<0.025	<0.025	<0.025

QUALITY CONTROL	0.105	0.105	0.104	0.207	0.101
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% INSTRUMENT ACCURACY	105	105	104	104	101
SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE	<0.025	<0.025	<0.025	<0.025	<0.025
SPIKE	0.102	0.101	0.106	0.215	0.104
SPIKE DUP	0.103	0.102	0.106	0.216	0.104
% EXTRACTION ACCURACY	102	101	106	108	104
BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
RPD	0.98	0.98	0.00	0.00	0.00

METHODS: EPA SW 846-8021B ,5030


Ralanda K. Tuttle

11-20-01
Date

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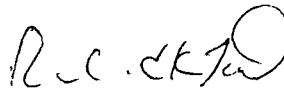
Sample Type: Soil
Sample Condition: Intact/ Iced/ 19.0 deg C
Project Name: Rice Operating
Project #: None Given
Project Location: H-4 Junction

Sampling Date: 11/15/01
Receiving Date: 11/16/01
Analysis Date: 11/06/01

ELT#	FIELD CODE	Chloride mg/kg
0102033-01	4 pt. Wall Comp. @ 7'	1450
0102033-02	Bottom Comp. @ 8'	1100

QUALITY CONTROL	5050
TRUE VALUE	5000
% INSTRUMENT ACCURACY	101
SPIKED AMOUNT	625
ORIGINAL SAMPLE	22
SPIKE	654
SPIKE DUP	654
% EXTRACTION ACCURACY	101
BLANK	<5.00
RPD	0.0

Methods: SW 846-9253


Raland K. Tuttle

11/20/01
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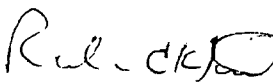
Sample Type: Soil
Sample Condition: Intact/ Iced/ 19.0 deg C
Project Name: Rice Operating
Project #: None Given
Project Location: H-4 Junction

Sampling Date: 11/15/01
Receiving Date: 11/16/01
Analysis Date: 11/16/01

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
0102033-01	4 pt. Wall Comp. @ 7'	<10	28

QUALITY CONTROL	458	519
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	92	104
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	47
SPIKE	494	564
SPIKE DUP	486	550
% EXTRACTION ACCURACY	102	106
BLANK	<10	<10
RPD	1.63	2.51

Methods: SW 846-8015M


Raland K. Tuttle

11-20-01
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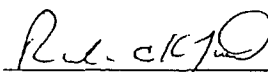
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Sample Condition: Intact/ Iced/ 19.0 deg C
Project Name: Rice Operating
Project #: None Given
Project Location: H-4 Junction

Sampling Date: 11/15/01
Receiving Date: 11/16/01
Analysis Date: 11/16/01

ELT#	FIELD CODE	GRO	DRO
		C6-C10 mg/kg	>C10-C28 mg/kg
0102033-02	Bottom Comp. @ 8'	<10	112

QUALITY CONTROL	465	541
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	93	108
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	452
SPIKE	488	976
SPIKE DUP	481	1020
% EXTRACTION ACCURACY	102	110
BLANK	<10	<10
RPD	1.44	4.41

Methods: SW 846-8015M


Raland K. Tuttle

11-20-01
Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Dawnie Anderson / Derek Robinson

Company Name R.E. Environmental

Project Name: Rice Operating

Project #:

Project Loc: H-4 Junction

社
○
風

Fax No:

Sampler Signature: David Robinson

[illegible]

Special Instructions:

Sample Containers intact?

Temperature Upon Receipt: _____

Laboratory Comments:

19,000

Relinquished by:

Date _____

Time

Received by:

Time

Relinquished by:

Date _____

Time

Revised by ELOI

12

Time

Q560 10-9/11/

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, NM 88231

(505) 394-2511

NE 47785

LEASE OPERATOR/SHIPPER/COMPANY: 15/100

LEASE NAME: H 24 16000 10/10

TRANSPORTER COMPANY: 15/100

TIME: _____ AM/PM

DATE: 12/1/04 VEHICLE NO.: _____

DRIVER NO.: _____

CHARGE TO: 15/100

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Completion Fluids

☐ Tank Bottoms

☐ Contaminated soil

☐ C-117 No.: _____

☐ Other Material:

☐ BS&W Content: _____

Description: 15/100

VOLUME OF MATERIAL ☐ BBLs. _____ : ☐ YARD 10 : ☐ _____

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)

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

112 47702

LEASE OPERATOR/SHIPPER/COMPANY: 17702

LEASE NAME: H.M. 17702

TRANSPORTER COMPANY: W.E. Duff

TIME: _____ AM/PM

DATE: 1/10/01 VEHICLE NO.: 706

DRIVER NO.: _____

CHARGE TO: 17702

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Completion Fluids

☐ Tank Bottoms

☐ Contaminated soil

☐ C-117 No.: _____

☐ Other Material:

☐ BS&W Content: _____

Description: 17702

VOLUME OF MATERIAL ☐ BBLs. 17702 : ☐ 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

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

NE 47231

LEASE OPERATOR/SHIPPER/COMPANY: _____

LEASE NAME: _____

TRANSPORTER COMPANY: _____

TIME: _____

AM/PM

DATE: 11-15-81

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: contaminated soilVOLUME OF MATERIAL ☐ BBLs. _____ : ☐ YARD 10.0 : ☐ _____

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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

NM 47223

LEASE OPERATOR/SHIPPER/COMPANY: PinkLEASE NAME: 114TRANSPORTER COMPANY: Pink

TIME:

AM/PM

DATE: 11/14/01VEHICLE NO.: 71-001

DRIVER NO.:

CHARGE TO: Pink**TYPE OF MATERIAL**☐ Production Water☐ Drilling Fluids☐ Completion Fluids☐ Tank Bottoms☒ Contaminated soil☐ C-117 No.: _____☐ Other Material:☐ BS&W Content: _____Description: soil by lotVOLUME OF MATERIAL ☐ BBLs. _____ :☐ YARD 10 yds :☐ _____

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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

112 47222

LEASE OPERATOR/SHIPPER/COMPANY:

LEASE NAME:

TRANSPORTER COMPANY:

TIME:

AM/PM

DATE:

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:

VOLUME OF MATERIAL ☐ BBLs. :

☐ YARD :

☐

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(SIGNATURE)

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Revised 12/27/95

**RICE OPERATING COMPANY
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BD	H-4	H	4	22S	37E	LEA	Length 12	Width 12	Depth 6

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Depth to Groundwater 90 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

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Soil Excavated 267 cubic yards Excavation Length 30 Width 30 Depth 8 feet

Soil Disposed 58 cubic yards Offsite Facility SUNDANCE Location EUNICE, NM

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Installed water proof junction box.

CHLORIDE FIELD TESTS

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BOTTOM	12'	1100

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

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SIGNATURE  TITLE Project Leader - Environmental

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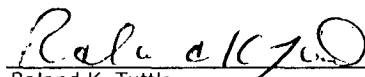
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Project #: None Given
Project Location: H-4 Junction

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0102033-02	Bottom Comp. @ 8'	<0.025	<0.025	<0.025	<0.025	<0.025

QUALITY CONTROL	0.105	0.105	0.104	0.207	0.101
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
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ORIGINAL SAMPLE	<0.025	<0.025	<0.025	<0.025	<0.025
SPIKE	0.102	0.101	0.106	0.215	0.104
SPIKE DUP	0.103	0.102	0.106	0.216	0.104
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BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
RPD	0.98	0.98	0.00	0.00	0.00

METHODS: EPA SW 846-8021B ,5030


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11-20-01
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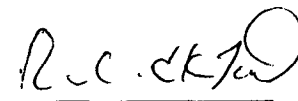
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Project #: None Given
Project Location: H-4 Junction

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Analysis Date: 11/06/01

ELT#	FIELD CODE	Chloride mg/kg
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0102033-02	Bottom Comp. @ 8'	1100

QUALITY CONTROL	5050
TRUE VALUE	5000
% INSTRUMENT ACCURACY	101
SPIKED AMOUNT	625
ORIGINAL SAMPLE	22
SPIKE	654
SPIKE DUP	654
% EXTRACTION ACCURACY	101
BLANK	<5.00
RPD	0.0

Methods: SW 846-9253


Raland K. Tuttle

11/20/01
Date

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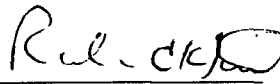
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Sample Condition: Intact/ Iced/ 19.0 deg C
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Project #: None Given
Project Location: H-4 Junction

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Analysis Date: 11/16/01

ELT #	FIELD CODE	GRO	DRO
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SPIKED AMOUNT	476	476
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Methods: SW 846-8015M


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Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

RE ENVIRONMENTAL
ATTN: MR. DEREK ROBINSON
P.O. BOX 13418
ODESSA, TEXAS 79768-3418
FAX: 366-0804
FAX: 505-397-1471 (Donnie Anderson)

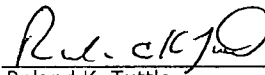
Sample Type: Soil
Sample Condition: Intact/ Iced/ 19.0 deg C
Project Name: Rice Operating
Project #: None Given
Project Location: H-4 Junction

Sampling Date: 11/15/01
Receiving Date: 11/16/01
Analysis Date: 11/16/01

ELT#	FIELD CODE	GRO	DRO
		C6-C10 mg/kg	>C10-C28 mg/kg
0102033-02	Bottom Comp. @ 8'	<10	112

QUALITY CONTROL	465	541
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	93	108
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	452
SPIKE	488	976
SPIKE DUP	481	1020
% EXTRACTION ACCURACY	102	110
BLANK	<10	<10
RPD	1.44	4.41

Methods: SW 846-8015M


Raland K. Tuttle

11-20-01
Date

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Dawie Anderson / Derek Robinson

Company Name

R.E. Environmental

Company Address:

City/State/Zip:

Telephone No:

Fax No:

Sampler Signature:

David Robinson

Project Name:

Rice Operating

Project #:

Project Loc:

H-4 Junction

#02

[illegible]

Special Instructions:

Sample Containers Intact?
Temperature Upon Receipt
Laboratory Comments:

2

Relinquished by:

C. verticillata Ekm

Received by:

Time

Date _____

Relinquished by:

Received by ELDT

Time

Date _____

Date	Time
------	------

Date	Time
------	------

10-91-11

7/10/2007

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

ME 47795

LEASE OPERATOR/SHIPPER/COMPANY: 15700LEASE NAME: H A ...TRANSPORTER COMPANY: ...

TIME: AM/PM

DATE: 12/1/07 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: ...VOLUME OF MATERIAL ☐ BBLs. _____ : ☐ YARD 10 : ☐ _____

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)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

N2 47702

LEASE OPERATOR/SHIPPER/COMPANY: 157000LEASE NAME: H.M. SullivanTRANSPORTER COMPANY: H.E. Sullivan

TIME: _____ AM/PM

DATE: 12/21/91 VEHICLE NO.: 106

DRIVER NO.: _____

CHARGE TO: 106**TYPE OF MATERIAL**☐ Production Water☐ Drilling Fluids☐ Completion Fluids☐ Tank Bottoms☐ Contaminated soil☐ C-117 No.: _____☐ Other Material: _____☐ BS&W Content: _____Description: AWVOLUME OF MATERIAL ☐ BBLs. 12 : ☐ YARD _____ : ☐ _____

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(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 47231

LEASE OPERATOR/SHIPPER/COMPANY:

LEASE NAME:

TRANSPORTER COMPANY:

TIME:

AM/PM

DATE: 11-15-91

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:

VOLUME OF MATERIAL ☐ BBLS. :

☐ YARD :

☐ :

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(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

NE 47223

LEASE OPERATOR/SHIPPER/COMPANY: 2102LEASE NAME: 2102TRANSPORTER COMPANY: 2102

TIME:

AM/PM

DATE: 10/17/91VEHICLE NO.: 2102

DRIVER NO.:

CHARGE TO: 2102**TYPE OF MATERIAL**☐ Production Water☐ Drilling Fluids☐ Completion Fluids☐ Tank Bottoms☒ Contaminated soil☐ C-117 No.:☐ Other Material:☐ BS&W Content: _____Description: 2102VOLUME OF MATERIAL ☐ BBLs. _____ :☐ YARD 2102 :☐ _____

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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

112 47222

LEASE OPERATOR/SHIPPER/COMPANY: _____

LEASE NAME: _____

TRANSPORTER COMPANY: _____

TIME: _____

AM/PM

DATE: _____

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: _____

VOLUME OF MATERIAL ☐ BBLs. _____ :

☐ YARD _____ :

☐ _____

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