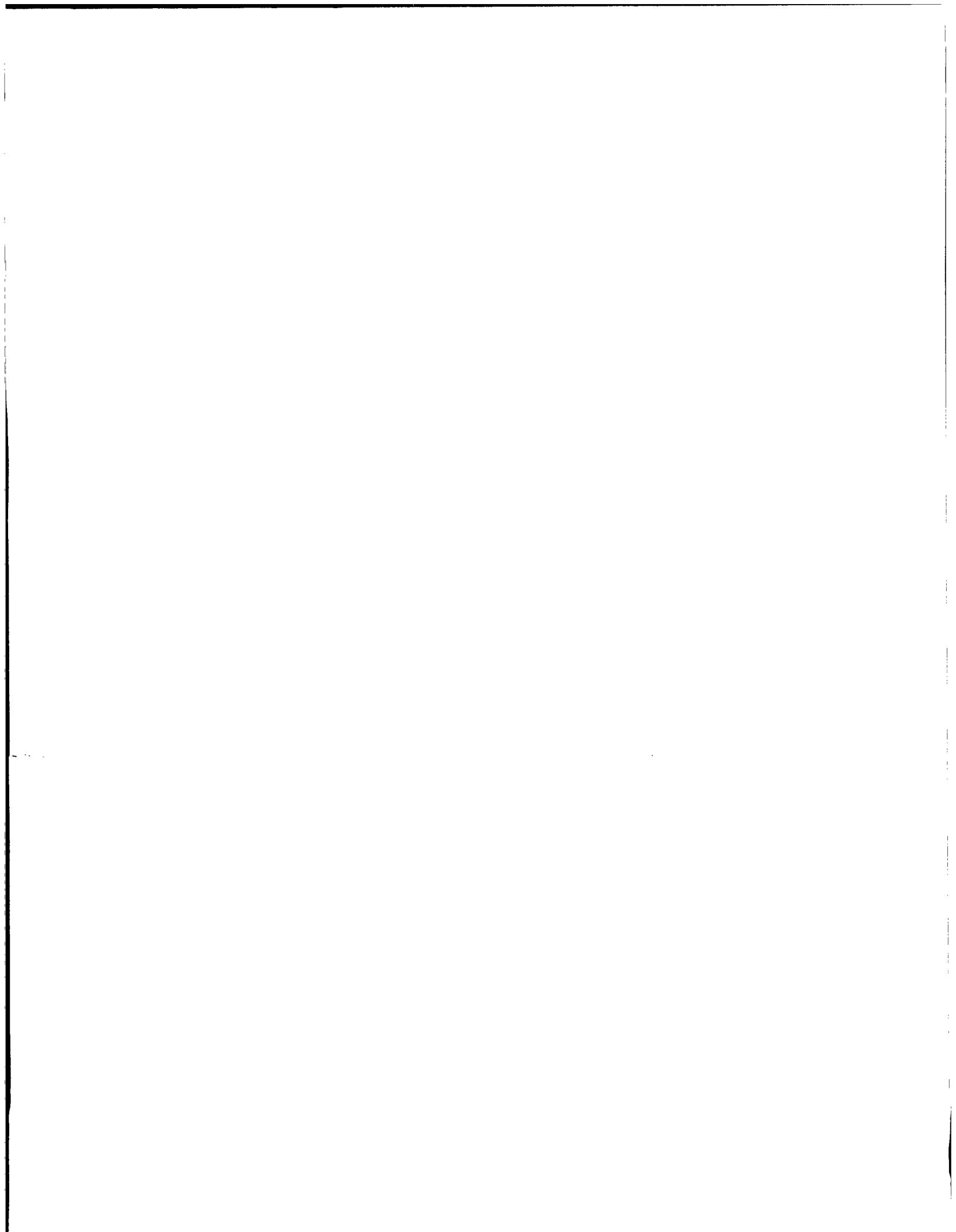


1R - 427 - III

REPORTS

DATE:

1-29-2001



**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

922-111

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
EME	K-32	K	32	20S	37E	LEA	8	5	5

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

Depth to Groundwater 36 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 01/29/2001 Date Completed 01/29/2001 OCD Witness NO

Soil Excavated 72 cubic yards Excavation Length 12 Width 14 Depth 12 feet

Soil Disposed 72 cubic yards Offsite Facility SUNDANCE Location EUNICE, NM

FINAL ANALYTICAL RESULTS: Sample Date 01/29/2001 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	<0.002	<0.002	<0.002	<0.006	<50	<50	129
BOTTOM	<0.002	<0.002	<0.002	<0.006	<50	<50	259

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

Hauled high impact soil to permitted disposal facility. Installed a compact clay barrier and watertight junction box and backfilled with fresh soil.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	5-12'	190
BOTTOM	12'	230

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

DATE January 29, 2001 PRINTED NAME Chris Rodriguez

SIGNATURE *Chris Rodriguez* TITLE Environmental Technician



ARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: JAMES STURGILL
122 W. TAYLOR
HOBBS, NM 88240
FAX TO:

Receiving Date: 01/29/01
Reporting Date: 01/30/01
Project Number: K-32 EME
Project Name: K-32 SIDES AND BOTTOM
Project Location: UK SECTION 3 T20 R37

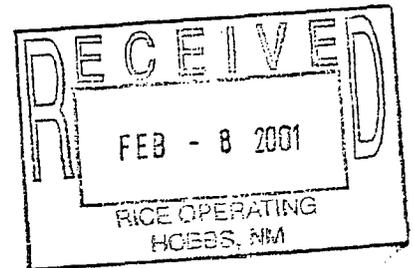
Sampling Date: 01/29/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC/AH

32
OK

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
ANALYSIS DATE		01/29/01	01/29/01	01/30/01
H5562-1	K-32 SIDES	<50	<50	129
H5562-2	K-32 BOTTOM	<50	<50	259
Quality Control		760	761	1051
True Value QC		800	800	1000
% Recovery		95.0	95.1	105
Relative Percent Difference		3.3	0.2	3.9

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI'B

*Analyses performed on 1:4 w:v aqueous extracts.



James Sturgill

Chemist

1/30/01

Date

H5562A.XLS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR
 RICE OPERATING COMPANY
 ATTN: JAMES STURGILL
 122 W. TAYLOR
 HOBBS, NM 88240
 FAX TO:

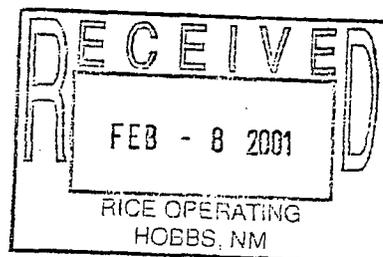
Receiving Date: 01/29/01
 Reporting Date: 02/01/01
 Project Number: K-32 EME
 Project Name: K-32 SIDES AND BOTTOM
 Project Location: UK SECTION, T20 R37

Sampling Date: 01/29/01
 Sample Type: SOIL
 Sample Condition: COOL, INTACT
 Sample Received By: AH
 Analyzed By: JA

32
 62

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		02/01/01	02/01/01	02/01/01	02/01/01
H5562-1	K-32 SIDES	<0.002	<0.002	<0.002	<0.006
H5562-2	K-32 BOTTOM	<0.002	<0.002	<0.002	<0.006
Quality Control		0.097	0.106	0.095	0.290
True Value QC		0.100	0.100	0.100	0.300
% Accuracy		97	106	95	97
Relative Percent Difference		3.1	0.7	3.0	2.4

METHOD: EPA SW 846-8020, 5030, Gas Chromatography



[Signature]
 Chemist

2-1-01
 Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

H5562SHOBBSRICEBTEXONLY



CARDINAL 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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Nice Dynamite
 Project Manager: Teresa Stegall
 Address: 1220 Hwy 10c
 City: Abbs State: NM Zip: 88240
 Phone #: (505) 393 9177 Fax #: _____
 Project #: K-32 EML Project Owner: _____
 Project Name: K-32 Sides and Bottom
 Project Location: DA Section 38 T20 R 37
 Sampler Name: James Stegall
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV			DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :			
K-32 Sides			1			<input checked="" type="checkbox"/>							1-28-01	11:45	80ISM
K-32 Bottom			1			<input checked="" type="checkbox"/>							1-28-01	11:11	C-BTEX

PLEASE NOTE: Labels and Damages. Cardinal liability and short's exclusive remedy for any claim arising under based in contract or tort, shall be limited to the amount paid by the client for the service. All claims including those for negligence and any other cause whatsoever shall be deemed waived when made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 2 1/2% per annum from the original date of invoice, and all costs of collection, including attorney's fees.

Sampler Relinquished By: James Stegall Date: 1-28-01 Time: 7:45 PM
 Relinquished By: _____ Date: _____ Time: _____
 Received By: (Lab Staff) James Stegall
 Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____
 Sample Condition: Intact Yes No
 Checked By: (Initials) JS

Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____

REMARKS:

* Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

Sundance Services, Inc.

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

MC 33886

LEASE OPERATOR/SHIPPER/COMPANY: K-32

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: oil

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)

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 38774

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: oil

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)

Sundance Services, Inc.

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

11 32836

LEASE OPERATOR/SHIPPER/COMPANY: WICO

LEASE NAME: WICO OPERATOR

TRANSPORTER COMPANY: WICO

TIME: 7:00 AM/PM

DATE: _____ VEHICLE NO.: _____ DRIVER NO.: _____

CHARGE TO: WICO OPERATOR

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.: _____ |
| <input type="checkbox"/> Other Material: | <input type="checkbox"/> BS&W Content: _____ | |

Description: oil

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)

Sundance Services, Inc.

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

NC 98841

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 _____ : _____

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)

Sundance Services, Inc.

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

11 38829

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 _____ :

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)

Sundance Services, Inc.

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

NC 38830

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: oil

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.

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DRIVER: _____
(SIGNATURE)

FACILITY REPRESENTATIVE: _____
(SIGNATURE)

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
EME	K-32	K	32	20S	37E	LEA	8'	5'	5'

LAND TYPE: _____ STATE X FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 36' feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 01/29/2001 Date Completed 01/29/2001 OCD Witness NONE

Soil Excavated 72 cubic yards Excavation Length 9' Width 7' Depth 9' feet

Soil Disposed 72 cubic yards Offsite Facility Sundance Disposal Location E.M.E.

FINAL ANALYTICAL RESULTS: Sample Date 01/29/2001 Sample Depth 9'

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	<0.002	<0.002	<0.002	<0.006	<50	<50	129
BOTTOM	<0.002	<0.002	<0.002	<0.006	<50	<50	259

General Description of Remedial Action: Delineated laterally and vertically to where results met with NMOCD guidelines. Hauled impacted soil to Sundance Disposal and replaced with clean backfill. A clay barrier was installed and a water tight junction box then backfilled.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	Cl
SIDEWALLS	2'-5' BGS	190
BOTTOM	5' BGS	230

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

DATE 29-Jan-01 PRINTED NAME Chris Rodriguez
SIGNATURE *Chris Rodriguez* TITLE ENVIRONMENTAL TECHNICIAN



ARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

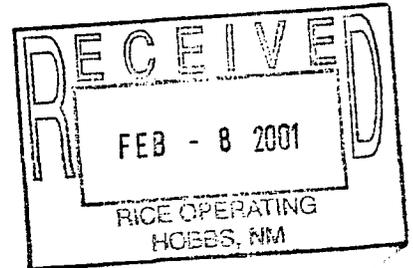
ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: JAMES STURGILL
122 W. TAYLOR
HOBBS, NM 88240
FAX TO:

Receiving Date: 01/29/01
Reporting Date: 01/30/01
Project Number: K-32 EME
Project Name: K-32 SIDES AND BOTTOM
Project Location: UK SECTION ³² T20 R37

Sampling Date: 01/29/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC/AH

LAB NUMBER SAMPLE ID	GRO	DRO	CI*
	(C ₆ -C ₁₀) (mg/Kg)	(>C ₁₀ -C ₂₈) (mg/Kg)	(mg/Kg)
ANALYSIS DATE	01/29/01	01/29/01	01/30/01
H5562-1 K-32 SIDES	<50	<50	129
H5562-2 K-32 BOTTOM	<50	<50	259
Quality Control	760	761	1051
True Value QC	800	800	1000
% Recovery	95.0	95.1	105
Relative Percent Difference	3.3	0.2	3.9

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI'B
*Analyses performed on 1:4 w:v aqueous extracts.



Bryant J. Cohen

Chemist

1/30/01

Date

H5562A.XLS
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: JAMES STURGILL
122 W. TAYLOR
HOBBS, NM 88240
FAX TO:

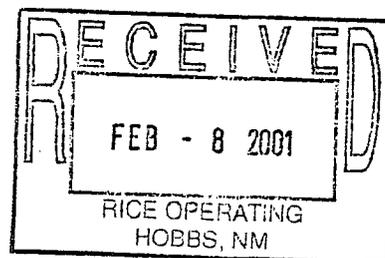
Receiving Date: 01/29/01
Reporting Date: 02/01/01
Project Number: K-32 EME
Project Name: K-32 SIDES AND BOTTOM
Project Location: UK SECTION 8 T20 R37

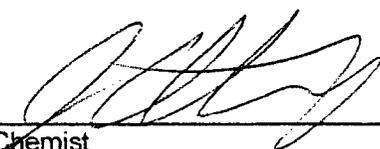
Sampling Date: 01/29/01
Sample Type: SOIL
Sample Condition: COOL, INTACT
Sample Received By: AH
Analyzed By: JA

32
CR

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		02/01/01	02/01/01	02/01/01	02/01/01
H5562-1	K-32 SIDES	<0.002	<0.002	<0.002	<0.006
H5562-2	K-32 BOTTOM	<0.002	<0.002	<0.002	<0.006
Quality Control		0.097	0.106	0.095	0.290
True Value QC		0.100	0.100	0.100	0.300
% Accuracy		97	106	95	97
Relative Percent Difference		3.1	0.7	3.0	2.4

METHOD: EPA SW 846-8020, 5030, Gas Chromatography





Chemist

2-1-01

Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

H5562SHOBBSRICEBTEXONLY

Sundance Services, Inc.

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

NC 38869

LEASE OPERATOR/SHIPPER/COMPANY: HICK K-32

LEASE NAME: CAF SW ~~XXXXXXXXXX~~

TRANSPORTER COMPANY: HICK

TIME:

AM/PM

DATE: 1-28-01

VEHICLE NO.: 11

DRIVER NO.:

CHARGE TO: HICK

TYPE OF MATERIAL

Production Water

Drilling Fluids

Completion Fluids

Tank Bottoms

Contaminated soil

C-117 No.: _____

Other Material:

BS&W Content: _____

Description: oil

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)

Sundance Services, Inc.

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

NC 38774

LEASE OPERATOR/SHIPPER/COMPANY: Rice

LEASE NAME: EMP 2, 4, 11 K=32

TRANSPORTER COMPANY: Miller

TIME:

AM/PM

DATE: 12-01

VEHICLE NO.: 11

DRIVER NO.:

CHARGE TO: Rice

TYPE OF MATERIAL

Production Water

Drilling Fluids

Completion Fluids

Tank Bottoms

Contaminated soil

C-117 No.: _____

Other Material:

BS&W Content: _____

Description: oil

VOLUME OF MATERIAL BBLs. _____ : YARD 17 : _____

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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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: Robert Lewis
(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

NO 38838

LEASE OPERATOR/SHIPPER/COMPANY: WICO

LEASE NAME: WICOP

TRANSPORTER COMPANY: WIT WORK

TIME: 7:00 AM/PM

DATE: 1/11/95

VEHICLE NO.: 11

DRIVER NO.:

CHARGE TO: WICO OPER

TYPE OF MATERIAL

Production Water

Drilling Fluids

Completion Fluids

Tank Bottoms

Contaminated soil

C-117 No.: _____

Other Material:

BS&W Content: _____

Description: oil

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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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)

Sundance Services, Inc.

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

NC 30841

LEASE OPERATOR/SHIPPER/COMPANY: Keen

LEASE NAME: 175

TRANSPORTER COMPANY: Keen

TIME: _____ AM/PM

DATE: 12-11-95 VEHICLE NO.: 100

DRIVER NO.: _____

CHARGE TO: Keen

TYPE OF MATERIAL

Production Water

Drilling Fluids

Completion Fluids

Tank Bottoms

Contaminated soil

C-117 No.: _____

Other Material:

BS&W Content: _____

Description: oil cut

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.

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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

NM 36829

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 _____ :

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

