

1R - 427-120

APPROVALS

YEAR(S):

2013

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Wednesday, April 03, 2013 12:08 PM
To: Hack Conder (hconder@riceswd.com)
Cc: Leking, Geoffrey R, EMNRD; Laura Pena (lpena@riceswd.com); Katie Jones <kjones@riceswd.com> (kjones@riceswd.com); Scott Curtis (scurtis@riceswd.com)
Subject: Remediation Plan (1R427-120) Termination - ROC EME D-7 Site

**RE: Termination Request
for the Rice Operating Company's
EME D-7 Site
Unit Letter D, Section 7, T21S, R36E, NMPM, Lea County, New Mexico
Remediation Plan (1R427-120) Termination**

Dear Mr. Conder:

The New Mexico Oil Conservation Division (OCD) has received Rice Operating Company's report and request to close the above-referenced site, dated March 21, 2013 (received March 27, 2013). The reports are acceptable to the OCD.

The above-referenced report, submitted in accordance with 19.15.29 NMAC (Rule 29; formally, Rule 116), indicates that Rice Operating Company has met the requirements of 19.15.29 NMAC; therefore, the OCD approves the report and hereby notifies you that the remediation plan (1R427-120) is terminated in accordance with 19.15.29 NMAC.

Please be advised that OCD approval of this report does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

If you have any questions regarding this matter, please contact me at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau

RICE *Operating Company*

112 West Taylor • Hobbs, New Mexico 88240

Phone: (575) 393-9174 • Fax: (575) 397-1471

CERTIFIED MAIL

RETURN RECEIPT NO. 7007 2560 0000 4569 9279

March 21, 2013

Mr. Edward Hansen
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

RECEIVED

MAR 27 2013 *E*

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

RE: Termination Request
EME D-7 (1R427-120): UL/D, Sec. 7, T21S, R36E
RICE Operating Company – Eunice Monument Eumont SWD System

Mr. Hansen:

Rice Operating Company (ROC) is the service provider (agent) for the EME Saltwater Disposal (SWD) System and has no ownership of any portion of the pipeline, well, or facility. The System is owned by a consortium of oil producers, System Parties, who provide all operating capital on a percentage ownership/usage basis.

Background

In 2001, ROC initiated work on the former D-7 junction box. The site is located in UL/D, Sec. 7, T21S, R36E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 157 +/- feet. The site was delineated using a backhoe to collect soil samples at regular intervals, creating a 9x7x7 ft deep excavation. Each sample was field titrated for chlorides. Representative samples were collected from the excavation sidewalls and bottom and sent to a commercial laboratory for analysis. The sidewalls sample resulted in a chloride concentration of 455 mg/kg and concentrations of gasoline range organics (GRO), diesel range organics (DRO) and BTEX below detectable limits. The bottom composite sample resulted in a chloride concentration of 621 mg/kg and GRO, DRO and BTEX concentrations below detectable limits. A total for 36 cubic yards of excavated soil was properly disposed of at a NMOCD facility. A compacted clay liner was installed and the excavation was backfilled with clean imported soil to ground surface and contoured to the surrounding area. The liner would provide a barrier that will inhibit the downward migration of chlorides to groundwater. Since the site is located next to a lease road, seeding is not required. A new, watertight junction was installed at the site.

The junction box site location map, final report, laboratory analysis, disposal manifests and current photodocumentation are attached.

Recommendations

Site investigation demonstrates that residual chloride and hydrocarbons in the vadose zone will not with reasonable probability contaminate groundwater in excess of NMOCD standards. This site meets the requirements of the NMOCD-approved Revised Junction Box Upgrade Work Plan (July 16, 2003). As such, ROC request termination of the regulatory file, or similar closure status.

Please contact me at (575)393-9174 if you have any questions or wish to discuss this site. Thank you for your time and consideration.

Sincerely,
RICE Operating Company

A handwritten signature in black ink, appearing to read 'H. Conder', with a stylized, flowing script.

Hack Conder
Environmental Manager

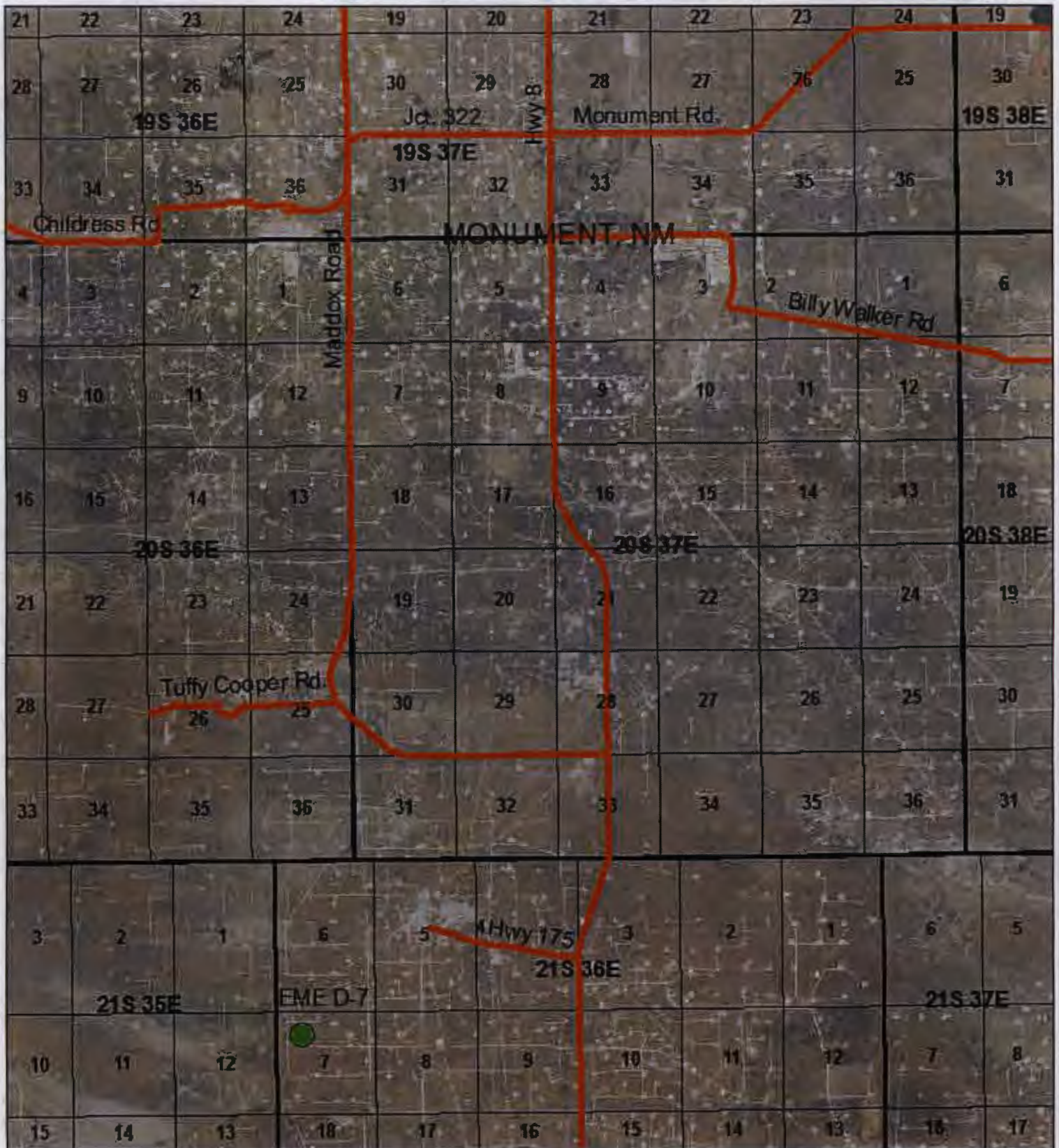
enclosures

RECEIVED OGD
2013 MAR 27 P 2:17



Site Location Map

RICE *Operating Company* (ROC)
112 West Taylor Hobbs, NM 88240
Phone: (575) 393-9174 Fax: (575) 397-1471



EME D-7 (1R427-120)

Unit Letter D, Section 7
T21S, R36E
Lea County, NM



Drawing date: 3/19/13
Drafted by: Traci Jennings

Junction Box Report

RICE *Operating Company* (ROC)
112 West Taylor Hobbs, NM 88240
Phone: (575) 393-9174 Fax: (575) 397-1471

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
E.M.E.	D-7	D	7	21 S	36 E	Lea	Length 7'	Width 5'	Depth 4'

LAND TYPE: BLM STATE FEE LANDOWNER Billie Lois Sartin OTHER

Depth to Groundwater 157' feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 01/11/2001 Date Completed 01/11/2001 OCD Witness No

Soil Excavated 36 cubic yards Excavation Length 9' Width 7' Depth 7' feet

Soil Disposed 36 cubic yards Offsite Facility Sundance Disposal Facility Location Eunice, NM

FINAL ANALYTICAL RESULTS: Sample Date January 11, 2001 Sample Depth 7' bgs

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	455
BOTTOM	<0.002	<0.002	<0.002	<0.006	<50	<50	621

General Description of Remedial Action: Rice Operating Company (ROC)
sampled at the above referenced site. All results did not exceed the NMOCD
guidelines. The highly impacted soil was hauled off to the Sundance Disposal
Facility and replaced with clean backfill. A compact clay layer was installed
as a barrier to vertical transmissivity and a water tight junction box was
installed.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	Chlorides
SIDEWALLS	5' bgs	400 ppm
BOTTOM	7' bgs	575 ppm

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

DATE January 11, 2001 PRINTED NAME Chris Rodriguez

SIGNATURE *Chris Rodriguez* TITLE Environmental Technician



ARDINAL LABORATORIES

PHONE (916) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

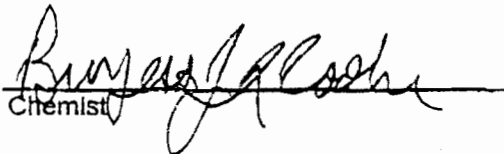
ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: JAMES STURGILL
122 W. TAYLOR
HOBBS, NM 88240
FAX TO:

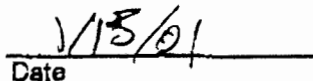
Receiving Date: 01/11/01
Reporting Date: 01/15/01
Project Number: D-7 S-B
Project Name: JET D7-SIDES AND BOTTOM
Project Location: U7 SEC7 T21S R38-EME

Sampling Date: 01/11/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO	DRO	CI
		(C ₈ -C ₁₀) (mg/Kg)	(C ₁₀ -C ₂₈) (mg/Kg)	(mg/Kg)
ANALYSIS DATE		01/11/01	01/11/01	01/12/01
H5514-1	SIDE	<50	<50	455
H5514-2	BOTTOM	<50	<50	621
Quality Control		727	701	994
True Value QC		800	800	1000
% Recovery		90.9	87.6	99.4
Relative Percent Difference		10.8	2.0	1.0

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


Chemist


Date

H5514A.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.



CARDINAL LABORATORIES

PHONE (916) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 383-2326 • 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: 01/11/01
Reporting Date: 01/15/01
Project Number: D-7 S-B
Project Name: JCT D7 SIDES AND BOTTOM
Project Location: V2 SEC 7 T21S R36 - EME

Sampling Date: 01/11/01
Sample Type: SOIL
Sample Condition: COOL, INTACT
Sample Received By: GAP
Analyzed By: JA

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		01/14/01	01/14/01	01/14/01	01/14/01
H5514-1	SIDE	<0.002	<0.002	<0.002	<0.006
H5514-2	BOTTOM	<0.002	<0.002	<0.002	<0.006
Quality Control		0.105	0.116	0.101	0.313
True Value QC		0.100	0.100	0.100	0.300
% Accuracy		105	116	101	104
Relative Percent Difference		0	5.5	5.6	7.4

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



Chemist

 1-15-01
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.

H5514SHOBBSRICEBTEXONLY

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

ANALYSIS REQUEST

[illegible]

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

11 29878

LEASE OPERATOR/SHIPPER/COMPANY:

LEASE NAME:

692

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.

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

121 3-8808

LEASE OPERATOR/SHIPPER/COMPANY: ACE

LEASE NAME: 207 11-7

TRANSPORTER COMPANY: ACE

TIME: _____ AM/PM

DATE: _____

VEHICLE NO.: _____

DRIVER NO.: _____

CHARGE TO: 207 11-7

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Completion Fluids

☐ Tank Bottoms

☐ Contaminated soil

☐ C-117 No.: _____

☐ Other Material:

☐ BS&W Content: _____

Description: 207 11-7

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

Sundance Services, Inc.

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

NO 36887

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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DRIVER: _____

(SIGNATURE)

FACILITY REPRESENTATIVE: _____

(SIGNATURE)

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

Revised 12/27/95



Current Photodocumentation

RICE *Operating Company* (ROC)
112 West Taylor Hobbs, NM 88240
Phone: (575) 393-9174 Fax: (575) 397-1471

EME D-7 (1R427-120)

UL/D, Section 7, T21S, R36E



Facing south

3/15/2013



Facing east

3/15/2013