

1R - 427-126

APPROVALS

YEAR(S):

2013

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Wednesday, April 10, 2013 11:33 AM
To: Hack Conder (hconder@riceswd.com)
Cc: Leking, Geoffrey R, EMNRD; Laura Pena (lpna@riceswd.com); Katie Jones <kjones@riceswd.com> (kjones@riceswd.com); Scott Curtis (scurtis@riceswd.com)
Subject: Remediation Plan (1R427-126) Termination - ROC EME F-20 Site

**RE: Termination Request
for the Rice Operating Company's
EME F-20 Site
Unit Letter F, Section 20, T21S, R36E, NMPM, Lea County, New Mexico
Remediation Plan (1R427-126) 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 27, 2013 (received April 1, 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 (1R427-126) 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) 393-9147

RECEIVED 000

CERTIFIED MAIL

RETURN RECEIPT NO. 7007 2560 0000 4569 9316

March 27, 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

RE: Termination Request
EME F-20 (1R427-126): UL/F, Sec. 20, 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 2000, ROC initiated work on the former F-20 junction box. The site is located in UL/F, Sec. 20, T21S, R36E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 210 +/- feet. The site was delineated using a backhoe to collect soil samples at regular intervals, creating a 10x10x8 ft deep excavation. Each sample was field titrated for chlorides, resulting in low chloride concentrations. 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 214 mg/kg, a gasoline range organics (GRO) concentration of 118 mg/kg and a diesel range organics (DRO) concentration of 2,480 mg/kg. The bottom composite sample resulted in a chloride concentration of 427 mg/kg, a GRO concentration below detectable limits and a DRO concentration of 1,460 mg/kg. Both samples were analyzed for BTEX, resulting in below detectable limits throughout. A total for 12 cubic yards of excavated soil was properly disposed of at a NMOCD facility. A new, watertight junction was installed over the site, which is located next to a lease road; therefore, seeding is not required.

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.

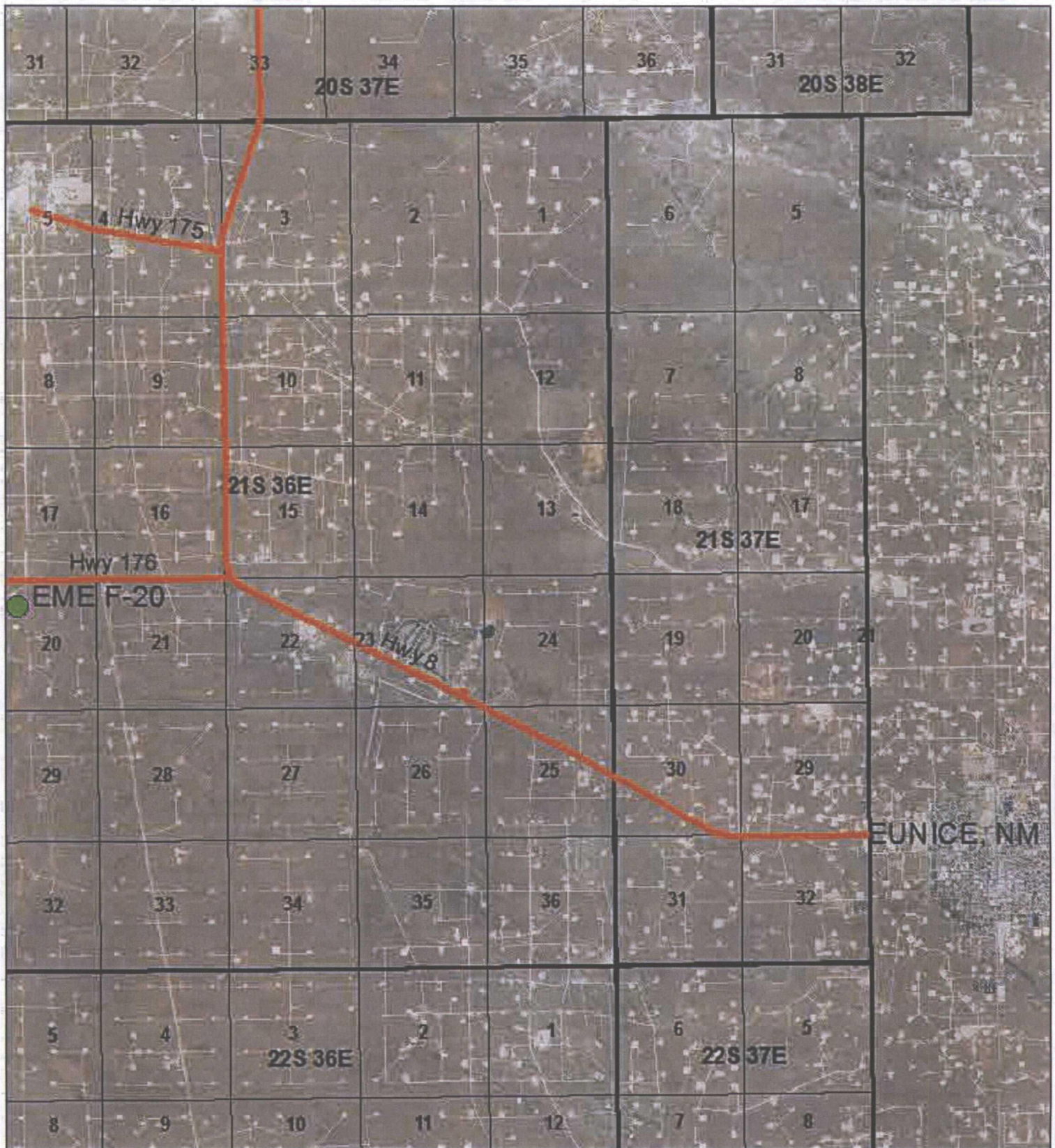
Hack Conder
Environmental Manager

enclosures



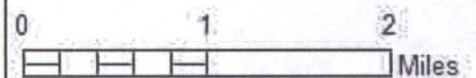
Site Location Map

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



EME F-20 (1R427-126)

Unit Letter F, Section 20
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		
EME	F-20	F	20	21	36E	LEA	Length	Width	Depth
							8	8	6

LAND TYPE: BLM ☐ STATE ☒ FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 210' feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 9-26-00 Date Completed 12-5-00 OCD Witness NONE

Soil Excavated 12 cubic yards Excavation Length 10' Width 10' Depth 8 feet

Soil Disposed 12 cubic yards Offsite Facility SUNDANCE Location EUNICE

FINAL ANALYTICAL RESULTS: Sample Date 10-31-00 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 ma/ka	Toluene ma/ka	Ethyl Benzene ma/ka	Total Xylenes ma/ka	GRO ma/ka	DRO ma/ka	Chlorides ma/ka
SIDEWALLS	<0.005	<0.005	<0.005	<0.015	118	2480	214
BOTTOM	<0.005	<0.005	<0.005	<0.015	<50	1460	427

General Description of Remedial Action:

REMOVED 12 CUBIC YARDS OF CONTAMINATED SOIL

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	2'	250
BOTTOM	6'	350
SIDEWALLS	4'	200
BOTTOM	10'	350

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

DATE FEBRUARY 14, 2001

PRINTED NAME JAMES STURGILL

SIGNATURE James Sturgill

TITLE ENVIRONMENTAL TECHNICIAN



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:

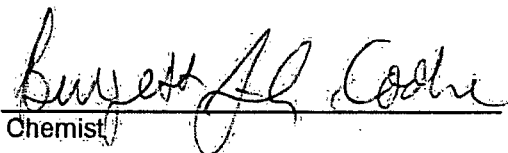
Receiving Date: 10/31/00
Reporting Date: 11/01/00
Project Number: F-20 EME (RICE)
Project Name: F-20 BOTTOM EME
Project Location: F-20; SEC20-T21S-R36E

Sampling Date: 10/31/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
		10/31/00	10/31/00	11/01/00
H5297-1	F-20 BOTTOM EME	<50	1460	427
H5297-2	F-20 SIDES EME	118	2480	214
Quality Control		938	855	982
True Value QC		1000	1000	1000
% Recovery		93.8	85.5	98.2
Relative Percent Difference		11.0	0.3	2.9

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

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


Chemist

11/1/00
Date

H5297A.XLS

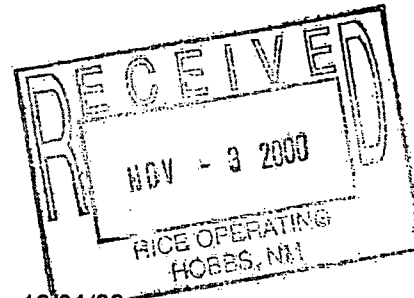
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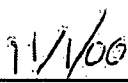
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Reporting Date: 11/01/00
Project Number: F-20 EME (RICE)
Project Name: F-20 BOTTOM EME
Project Location: F-20; SEC20-T21S-R36E

Sampling Date: 10/31/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		11/01/00	11/01/00	11/01/00	11/01/00
H5297-1	F-20 BOTTOM EME	<0.005	<0.005	<0.005	<0.015
H5297-2	F-20 SIDES EME	<0.005	<0.005	<0.005	<0.015
Quality Control		0.100	0.103	0.107	0.318
True Value QC		0.100	0.100	0.100	0.300
% Recovery		100	103	107	106
Relative Percent Difference		9.9	8.4	14.1	12.5

METHOD: EPA SW-846 8260


Chemist


Date

H5297B.XLS

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page ____ of ____

[illegible]

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Delivered By: (Circle One) <u>Sampler</u> - UPS - Bus - Other:		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials)	
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.



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: JIM STURGILL
122 W. TAYLOR
HOBBS, NM 88240
FAX TO:

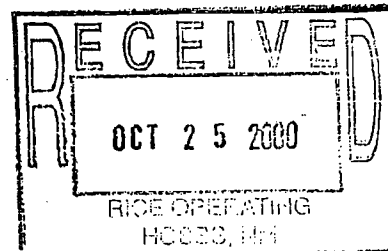
Receiving Date: 10/18/00
Reporting Date: 10/19/00
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: SEC 20-T22S-R36E

Sampling Date: 10/18/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
		10/18/00	10/18/00	10/19/00
H5268-1	F-20 EME SIDE	<50	2390	320
H5268-2	F-20 EME BOTTOM	54.1	3520	442
Quality Control		1050	1020	1039
True Value QC		1000	1000	1000
% Recovery		105	102	104
Relative Percent Difference		3.7	1.6	1.3

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 A. Cook
Chemist

10/19/00
Date

H5268A.XLS

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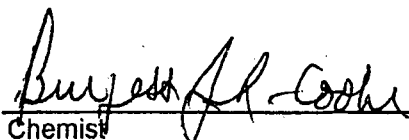
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Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: SEC 20-T22S-R36E

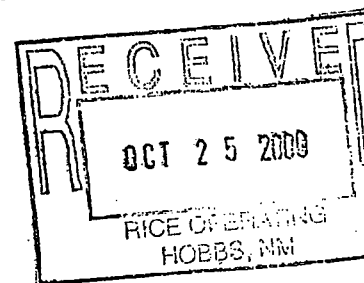
Sampling Date: 10/18/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		10/19/00	10/19/00	10/19/00	10/19/00
H5268-1	F-20 EME SIDE	0.011	0.030	0.006	0.017
H5268-2	F-20 EME BOTTOM	0.005	0.028	0.011	0.036
Quality Control		0.089	0.092	0.090	0.273
True Value QC		0.100	0.100	0.100	0.300
% Recovery		89.0	92.4	90.4	91.1
Relative Percent Difference		1.9	2.1	1.9	1.8

METHOD: EPA SW-846 8260


Chemist

10/19/00
Date



H5268B.XLS

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page ____ of ____

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Sampler Relinquished By: <i>James Hergel</i>		Date: _____ Time: _____		Received By: _____		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: _____ REMARKS: _____	
Relinquished By: _____		Date: <i>10/18/2000</i> Time: <i>2:20P</i>		Received By: (Lab Staff) <i>[Signature]</i>			
Delivered By: (Circle One) <u>Sampler</u> - UPS - Bus - Other: _____		Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials) _____			

† 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

NE 36770

LEASE OPERATOR/SHIPPER/COMPANY: *EME F 20*LEASE NAME: *EME F 20**692*TRANSPORTER COMPANY: *Diamond*

TIME:

AM/PM

DATE: *01/18/01* VEHICLE NO.: *11*

DRIVER NO.:

CHARGE TO: *EME F 20***TYPE OF MATERIAL**☐ Production Water☐ Drilling Fluids☐ Completion Fluids☐ Tank Bottoms☐ Contaminated soil☐ C-117 No.: _____☐ Other Material:☐ BS&W Content: _____Description: *C/O*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: *Robert Lewis*

(SIGNATURE)

FACILITY REPRESENTATIVE: *Thomas F. 28*

(SIGNATURE)



Current Photodocumentation

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

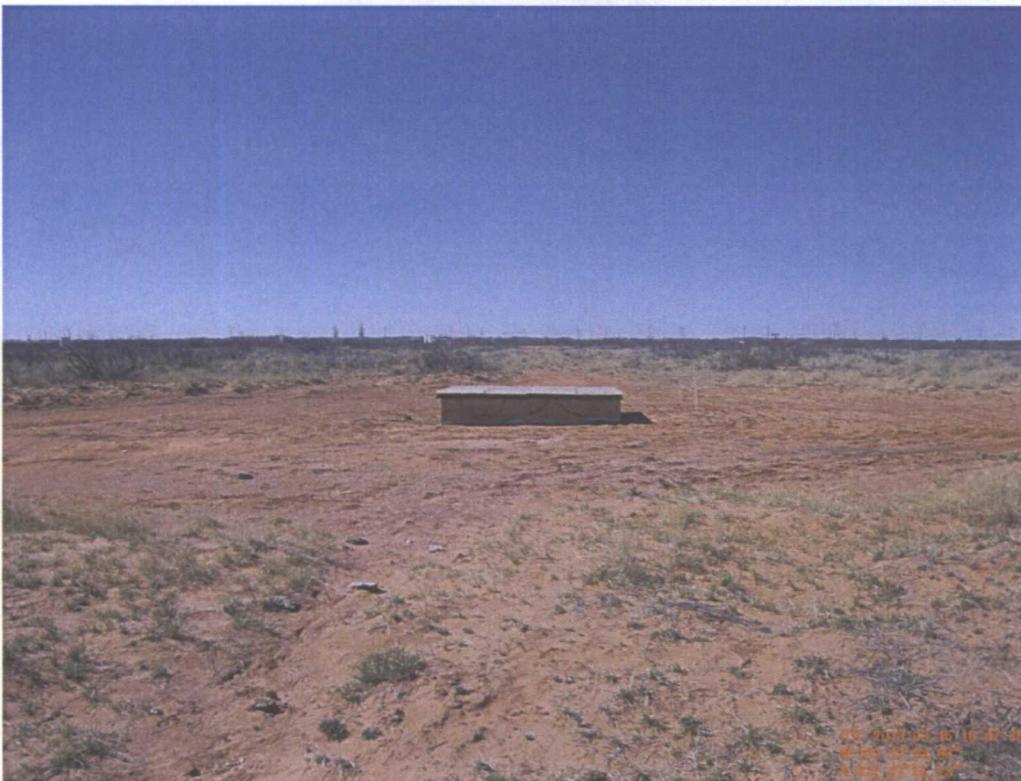
EME F-20 (1R427-126)

UL/F, Section 20, T21S, R36E



Facing north

3/15/2013



Facing south

3/15/2013