1R - 427-56

APPROVALS

YEAR(S):

2013

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Wednesday, May 15, 2013 4:35 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 Plans (1R427-56 & 1R427-60) Termination - ROC EME M-34 Site

RE: Termination Request
for the Rice Operating Company's
EME M-34 Site
Unit Letter M, Section 34, T19S, R37E, NMPM, Lea County, New Mexico
Remediation Plans (1R427-56 & 1R427-60) 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 April 26, 2013 (received May 3, 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 plans (1R427-56 & 1R427-60) are 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*
122 West Taylor • Hobbs, New Mexico 88240
Phone: (575) 393-9174 • Fax: (575) 397-1471

CERTIFIED MAIL
RETURN RECEIPT NO. 7007 2560 0000 4569 9224

April 26, 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 M-34 **(1R427-56 and 1R427-60)**: UL/M Sec. 34, T19S, R37E
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.

A final report was submitted to NMOCD in 2002. NMOCD records show that EME M-34 has been assigned case number 1R427-56 and 1R427-60.

Background
In 2002, ROC initiated work on the former M-34 junction box. The site is located in UL/M, Sec. 34, T19S, R37E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 50 +/- feet.

To investigate the depth of chloride presence, a soil bore was initiated on 2/28/2002 to a total depth of 35 ft below ground surface with soil samples collected at regular intervals. Each sample was field titrated for chlorides, resulting in concentrations that decreased with depth. The 35 ft sample was submitted to a commercial laboratory for analysis of chloride and TPH, resulting in a chloride concentration of 71 mg/kg and gasoline range organics (GRO) and diesel range organics (DRO) concentrations below detectable limits.

The site was delineated using a backhoe to collect soil samples at regular intervals, creating a 25x20x9 ft deep excavation. Each sample was field titrated for chlorides. Representative composite samples of the excavation bottom and the excavation walls

were sent to a commercial for analysis of chloride and TPH, resulting in a sidewall chloride concentration of 414 mg/kg, a GRO concentration below detectable limits and a DRO concentration of 22.7 mg/kg. The bottom composite resulted in a chloride concentration of 606 mg/kg, a GRO concentration below detectable limits and a DRO concentration of 42.8 mg/kg. Both samples were analyzed for BTEX, resulting in concentrations below detectable limits throughout. A total of 132 cubic yards of excavated soil was hauled to a NMOCD approved facility. A compacted clay layer was installed and the excavation was backfilled to ground surface and contoured to the surrounding area. The clay layer will provide a barrier that will inhibit the downward migration of chlorides to groundwater. A new, watertight junction was installed over the site and has since been removed.

Vegetation has rebounded at the site; therefore, seeding is not required. Vegetation will act as an evapo-transpiration barrier that will also inhibit the downward migration of chlorides and hydrocarbons. Plants capture water through their roots and so reduce the amount of water infiltrating below the root zone.

The junction box site location map, final report, soil bore log, laboratory analyses, disposal manifest, delineation photodocumentation 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.

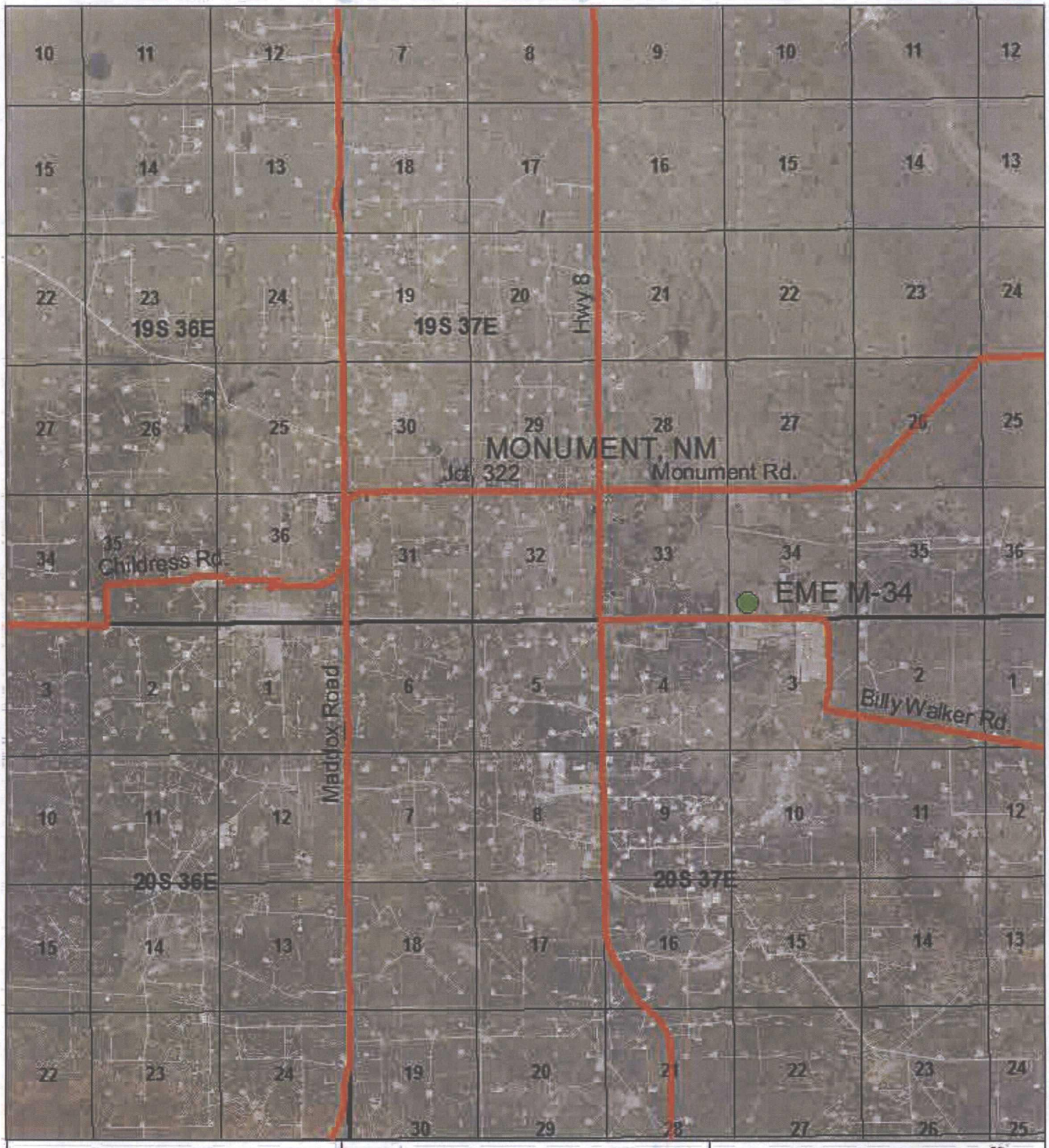
Sincerely,
RICE Operating Company

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



RICE ENVIRONMENTAL CONSULTING & SAFETY, LLC
RECS

EME M-34

Unit Letter M, Section 34,
T19S, R37E
Lea County, NM

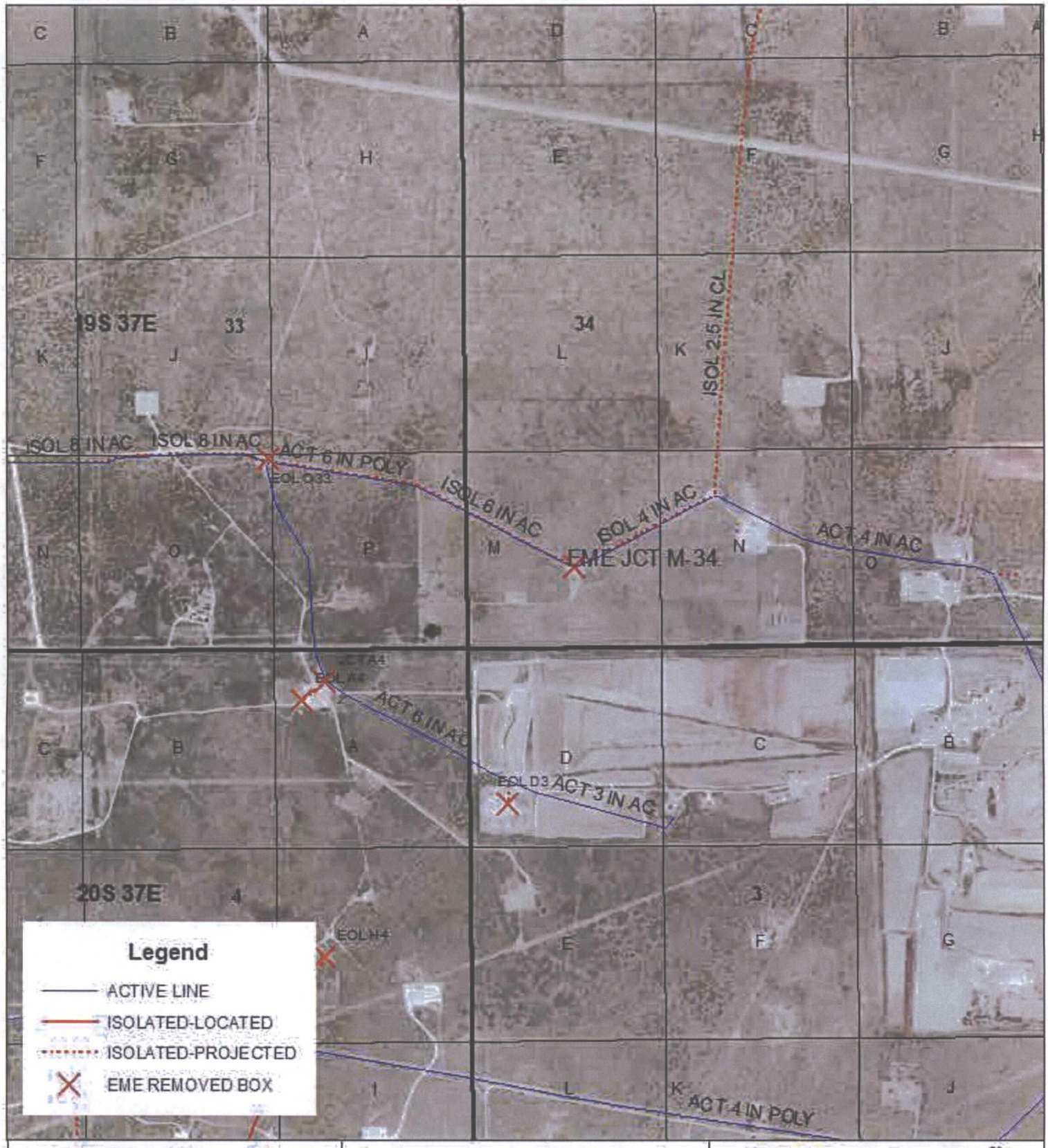
NMOCD Case #: 1R427-56
& 1R427-60

N
W E
S

0 1 2 Miles

Drawing date: 4/25/13

Area Map



RICE ENVIRONMENTAL CONSULTING & SAFETY, LLC
RECS

EME M-34

UL/M SECTION 34
T-19-S R-37-E
LEA COUNTY, NM

NMOCD Case #: 1R427-56
& 1R427-60

N
W E
S

0 500 1,000
Feet

Drawing date: 4/25/13
Drafted by: T. Grieco

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		
							Length	Width	Depth
EME	M-34	M	34	19S	37E	LEA	12	10	6

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER COY DOYAL OTHER _____

Depth to Groundwater <50 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 3/1/2002 Date Completed 3/5/2002 OCD Witness NO

Soil Excavated 160 cubic yards Excavation Length 25 Width 20 Depth 9' feet

Soil Disposed 132 cubic yards Offsite Facility J&L LANDFARM Location MONUMENT

FINAL ANALYTICAL RESULTS: **Sample Date** 3/4/2002 **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	<0.025	<0.025	<0.025	<0.025	<10	22.7	414
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10	42.8	606
Boring @ 35'	<0.025	<0.025	<0.025	<0.025	<10	<10	71

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

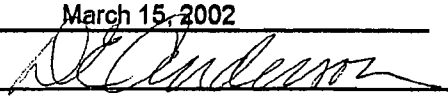
Vertical delineation found TPH clean at 9' bgs. A soil boring found chlorides declined from 950 ppm @ 20' to 71 ppm @ 35' bgs. This demonstrates that impact stopped before reaching groundwater. A compacted clay barrier and water tight junction box was installed and backfilled. High impacted soil was hauled to a permitted disposal facility. Natural attenuation will remediate the remaining hydrocarbon.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	8'	300
BOTTOM	9'	500
Vertical Trench	15'	2300
Soil Boring	10'	170
	15'	430
	20'	950
	23'	540
	26'	520
	32'	160
	35'	120

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

DATE March 15, 2002 PRINTED NAME D. E. Anderson

SIGNATURE  TITLE Project Leader - Environmental

DRILLING LOG	Site Name/Location				Logged by: F. Root
RICE *Operarting Company*	**Jct. Box M-34**	Well No. N/A	Date Drilled: 2/28/02	Driller: Eades	Construction:
122 West Taylor	**20-T22S-R37E**	Well Depth: N/A	Boring Depth: 35'	Well Material: N/A	Plugged boring
Hobbs, New Mexico 88240	**Eunice Monument Eumont**	Casing Length: N/A	Boring Diameter: 4.5"	Casing Size: N/A	w/ 15' bentonite,
Phone: (505) 393-9174	**SWD System**	Screen Length: N/A	Drilling Method: Air Rotary	Slot Size: N/A	water & backfill
Fax: (505) 397-1471	**Lea County, NM**				

DEPTH	SUBSURFACE LITHOLOGY	SAMPLE TYPE	TEST (ppm) Cr	REMARKS	Boring
0	Ground surface				
1	Top Soil				
2	Caliche				
3					
4					
5					
6					
7					
8					
9					cuttings
10		Grab	170		
11					
12					
13					
14					
15		Grab	430		
16					
17					
18					
19					
20	Sandstone	Grab	950		
21	Sand				
22					
23		Grab	540		
24					
25					
26		Grab	520		
27					
28					
29					
30		Grab	340		
31	Sandstone				
32	Sand and sandstone stringers	Grab	160		
33					
34					
35		Grab	120		

ANALYTICAL REPORT

Prepared for:

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88242

Project: Jct M-34 box Upgrade

Order#: G0202741

Report Date: 03/07/2002

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

RICE OPERATING CORP.
122 WEST TAYLOR

HOBBS, NM 88242

Order#: G0202741
Project: Soil bore @ 35' bgs
Project Name: Jct M-34 box Upgrade
Location: EME

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

			Date / Time	Date / Time		
0202741-01	Soil bore @ 35' bgs	SOIL		3/5/02 17:00	4 oz Glass	ice

Lab Testing: Rejected: No Temp: 2C

8015M TPH GRO/DRO
8021B/5030 BTEX
Chloride

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88242

Order#: G0202741
Project: Soil bore @ 35' bgs
Project Name: Jct M-34 box Upgrade
Location: EME

Lab ID: 0202741-01
Sample ID: Soil bore @ 35' bgs

8015M TPH GRO/DRO

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0000785-02		3/6/02 13:46	1	1	CK	8015

Parameter	Result mg/kg	RL
GRO, C6-C12	<10	10.0
DRO, >C12-C28	<10	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0000783-02		3/6/02 14:12	1	1	CK	8021B

Parameter	Result µg/kg	RL
Benzene	<25	25.0
Ethylbenzene	<25	25.0
Toluene	<25	25.0
p/m-Xylene	<25	25.0
o-Xylene	<25	25.0

Approval: Raland K Tuttle 3-07-02
Raland K. Tuttle, Lab Director, QA Officer — Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Irene Perry, QA Assistant
Sandra Biezugbe, Lab Tech.
Curt Cowdrey, Lab Tech.
Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DONNIE ANDERSON		Order#:	G0202741
RICE OPERATING CORP.		Project:	Soil bore @ 35' bgs
122 WEST TAYLOR		Project Name:	Jct M-34 box Upgrade
HOBBS, NM 88242		Location:	EME

Lab ID: 0202741-01
Sample ID: Soil bore @ 35' bgs

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	71.0	mg/kg	1	5.0	9253	3/6/02	SB

Approval: Raland K Tuttle 3-07-02
Date

Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Irene Perry, QA Assistant
Sandra Biezugbe, Lab Tech.
Curt Cowdrey, Lab Tech.
Sara Molina, Lab Tech.

RL = Reporting Limit N/A = Not Applicable

ENVIRONMENTAL LAB OF TEXAS I, LTD. 12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M TPH GRO/DRO

Order#: G0202741

BLANK	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
GRO, C6-C12-mg/kg	0000785-02			<10		
DRO, >C12-C28-mg/kg	0000785-02			<10		
MS	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
GRO, C6-C12-mg/kg	0202740-01	0	476	447	93.9%	
DRO, >C12-C28-mg/kg	0202740-01	0	476	563	118.3%	
MSD	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
GRO, C6-C12-mg/kg	0202740-01	0	476	424	89.1%	5.3%
DRO, >C12-C28-mg/kg	0202740-01	0	476	506	106.3%	10.7%
SRM	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
GRO, C6-C12-mg/kg	0000785-05		500	441	88.2%	0.%
DRO, >C12-C28-mg/kg	0000785-05		500	524	104.8%	0.%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0202741

BLANK	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg	0000783-02			<25		
Ethylbenzene-µg/kg	0000783-02			<25		
Toluene-µg/kg	0000783-02			<25		
p/m-Xylene-µg/kg	0000783-02			<25		
o-Xylene-µg/kg	0000783-02			<25		
MS	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg	0202728-02	0	100	112	112.%	
Ethylbenzene-µg/kg	0202728-02	0	100	111	111.%	
Toluene-µg/kg	0202728-02	0	100	113	113.%	
p/m-Xylene-µg/kg	0202728-02	0	200	230	115.%	
o-Xylene-µg/kg	0202728-02	0	100	112	112.%	
MSD	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg	0202728-02	112	100	113	113.%	0.9%
Ethylbenzene-µg/kg	0202728-02	111	100	112	112.%	0.9%
Toluene-µg/kg	0202728-02	113	100	113	113.%	0.%
p/m-Xylene-µg/kg	0202728-02	230	200	228	114.%	0.9%
o-Xylene-µg/kg	0202728-02	112	100	114	114.%	1.8%
SRM	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg	0000783-05		100	112	112.%	0.%
Ethylbenzene-µg/kg	0000783-05		100	111	111.%	0.%
Toluene-µg/kg	0000783-05		100	114	114.%	0.%
p/m-Xylene-µg/kg	0000783-05		200	229	114.5%	0.%
o-Xylene-µg/kg	0000783-05		100	112	112.%	0.%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0202741

BLANK	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0000787-01			<5.00		
MS	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0202739-01	248	667	910	99.3%	
MSD	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0202739-01	248	667	922	101.%	1.3%
SRM	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0000787-04		5000	5050	101.%	0.%

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: DONNIE ANDERSON
Company Name: RICE OPERATING COMPANY
Company Address: 122 W. TAYLOR
City/State/Zip: HOBBS, NEW MEXICO, 88240
Telephone No: (505) 393-9174 Fax No: (505)397-1471
Sampler Signature: D Anderson

Project Name: Jct M-34 box Upgrade
Project #: Soil bore @ 35' bgs
Project Loc: EME
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TOTAL: TDS / CL / SAR / EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)	Standard TAT
27461-01	Soil bore @ 35' bgs			1	✓									✓		✓			✓				✓		

Special Instructions: fax results to D. Anderson

Sample Containers Intact? Y N
Temperature Upon Receipt: °C
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
D Anderson	030502	1100		3-5-02	11:00AM
	3-5-02	5pm	Received by ELOT: Floyd Worthy	3-5-02	17:00

Aug 07 01 10:22a

P.2

ANALYTICAL REPORT

Prepared for:

DEREK ROBINSON
RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768

Project: Rice M-34
Order#: G0202728
Report Date: 03/06/2002

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768
366-0804

Order#: G0202728
Project:
Project Name: Rice
Location: M-34

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0202728-01	5 pt Bottom Comp. @ 9'	SOIL	03/04/2002 15:00	03/05/2002 8:20	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 14.0 C		
	8015M TPH GRO/DRO 8021B/5030 BTEX Chloride					
0202728-02	4 pt. Wall Comp. @ 8'	SOIL	03/04/2002 13:00	03/05/2002 8:20	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 14.0 C		
	8015M TPH GRO/DRO 8021B/5030 BTEX Chloride					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DEREK ROBINSON
RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768

Order#: G0202728
Project:
Project Name: Rice
Location: M-34

Lab ID: 0202728-01
Sample ID: 5 pt.Bottom Comp. @ 9'

8015M TPH GRO/DRO

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0000776-02		03/05/2002 21:30	1	1	CK	8015

Parameter	Result mg/kg	RL
GRO, C6-C12	<10	10.0
DRO, >C12-C28	42.8	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0000783-02		03/05/2002 12:09	1	1	CK	8021B

Parameter	Result µg/kg	RL
Benzene	<25	25.0
Ethylbenzene	<25	25.0
Toluene	<25	25.0
p/m-Xylene	<25	25.0
o-Xylene	<25	25.0

Lab ID: 0202728-02
Sample ID: 4 pt. Wall Comp. @ 8'

8015M TPH GRO/DRO

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0000776-02		03/05/2002 21:42	1	1	CK	8015

Parameter	Result mg/kg	RL
GRO, C6-C12	<10	10.0
DRO, >C12-C28	22.7	10.0

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DEREK ROBINSON
RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768

Order#: G0202728
Project:
Project Name: Rice
Location: M-34

Lab ID: 0202728-02
Sample ID: 4 pt. Wall Comp. @ 8'

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0000783-02		03/05/102 20:32	1	1	CK	8021B

Parameter	Result µg/kg	RL
Benzene	<25	25.0
Ethylbenzene	<25	25.0
Toluene	<25	25.0
p/m-Xylene	<25	25.0
o-Xylene	<25	25.0

Approval: Raland K Tuttle 3-06-02
Raland K. Tuttle, Lab Director, QA Officer — Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Irene Perry, QA Assistant
Sandra Biezugbe, Lab Tech.
Curt Cowdrey, Lab Tech.
Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DEREK ROBINSON		Order#:	G0202728
RE ENVIRONMENTAL		Project:	
P.O. BOX 13418		Project Name:	Rice
ODESSA, TX 79768		Location:	M-34

Lab ID: 0202728-01
Sample ID: 5 pt.Bottom Comp. @ 9'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	606	mg/kg	1	5.0	9253	03/05/2002	CC

Lab ID: 0202728-02
Sample ID: 4 pt. Wall Comp. @ 8'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	414	mg/kg	1	5.0	9253	03/05/2002	CC

Approval: Raland K Tuttle 3-06-02
Date

Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Irene Perry, QA Assistant
Sandra Biezugbe, Lab Tech.
Curt Cowdrey, Lab Tech.
Sara Molina, Lab Tech.

RL = Reporting Limit N/A = Not Applicable

ENVIRONMENTAL LAB OF TEXAS I, LTD. 12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M TPH GRO/DRO

Order#: G0202728

BLANK	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
GRO, C6-C12-mg/kg	0000776-02			<10		
DRO, >C12-C28-mg/kg	0000776-02			<10		
MS	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
GRO, C6-C12-mg/kg	0202728-02	0	476	489	102.7%	
DRO, >C12-C28-mg/kg	0202728-02	22.7	476	564	113.7%	
MSD	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
GRO, C6-C12-mg/kg	0202728-02	0	476	480	100.8%	1.9%
DRO, >C12-C28-mg/kg	0202728-02	22.7	476	553	111.4%	2.%
SRM	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
GRO, C6-C12-mg/kg	0000776-05		500	452	90.4%	0.%
DRO, >C12-C28-mg/kg	0000776-05		500	527	105.4%	0.%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0202728

BLANK	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg	0000783-02			<25		
Ethylbenzene-µg/kg	0000783-02			<25		
Toluene-µg/kg	0000783-02			<25		
p/m-Xylene-µg/kg	0000783-02			<25		
o-Xylene-µg/kg	0000783-02			<25		
MS	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg	0202728-02	0	100	112	112.%	
Ethylbenzene-µg/kg	0202728-02	0	100	111	111.%	
Toluene-µg/kg	0202728-02	0	100	113	113.%	
p/m-Xylene-µg/kg	0202728-02	0	200	230	115.%	
o-Xylene-µg/kg	0202728-02	0	100	112	112.%	
MSD	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg	0202728-02	0	100	113	113.%	0.9%
Ethylbenzene-µg/kg	0202728-02	0	100	112	112.%	0.9%
Toluene-µg/kg	0202728-02	0	100	113	113.%	0.%
p/m-Xylene-µg/kg	0202728-02	0	200	228	114.%	0.9%
o-Xylene-µg/kg	0202728-02	0	100	114	114.%	1.8%
SRM	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg	0000783-05		100	112	112.%	0.%
Ethylbenzene-µg/kg	0000783-05		100	111	111.%	0.%
Toluene-µg/kg	0000783-05		100	114	114.%	0.%
p/m-Xylene-µg/kg	0000783-05		200	229	114.5%	0.%
o-Xylene-µg/kg	0000783-05		100	112	112.%	0.%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0202728

BLANK	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0000769-01			< 5.0		
CONTROL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0000769-02		5000	5140	102.8%	
MS	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0202723-01	786	625	1396	97.6%	
MSD	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0202723-01	786	625	1374	94.1%	1.6%

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Derek Robinson
Company Name: RE Environmental
Company Address:
City/State/Zip:
Telephone No:
Fax No:
Sampler Signature: Derek Robinson

Project Name: Rice
Project #:
Project Loc: M-34
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: TCLP: / TOTAL: TDS / Cl, SAR / EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)	Standard TAT
020278-01	5pt. Bottom Comp. @ 9'	3-4-02	3:00 pm	1	✓									✓		✓			✓				✓		
	[illegible]	[illegible]	[illegible]																						
02	4pt. Wall Comp. @ 8'	3-4-02	1:00 pm	1	✓									✓		✓			✓				✓		

Special Instructions: Fax Results to Donnie Anderson & Derek Robinson

Sample Containers Intact? (Y) N
Temperature Upon Receipt:
Laboratory Comments: 14.0° C

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
Curtis Elkins	3-5-2	0820	[signature]	3-5-2	0820

J & L LANDFARM, INC.

P.O. BOX 356
HOBBS, NEW MEXICO 88241-0356
PHONE (505) 393-9697 – PERMIT # NM-01-0023

Make it last

0349

Generator/Company Rice Operating

Authorized Representative Dennie Anderson

Originating Site NM-34 Junction

Sec. 34 19S 37E

Transporter R&E Construction

Authorized Representative D. L. R.

Brief Description of Material Non-Haz Soil

Estimated Volume 132 yards

TPH See Test

BE-TEX

CERTIFICATE OF CHEMICAL ANALYSIS (if required) N/A

FACILITY AUTHORIZED REPRESENTATIVE

DATE 2000

B-3186

EME M-34 Junction Box Upgrade

Remediation with New Plumbing

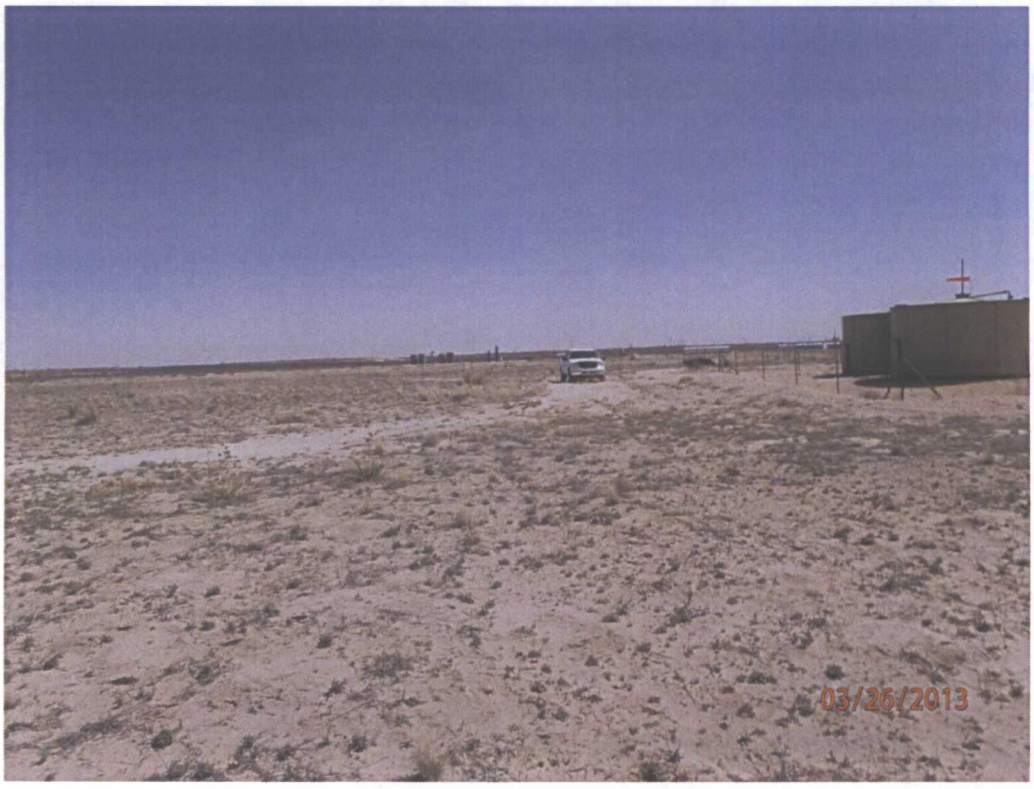
Current Photodocumentation

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

EME M-34 (1R427-56 & 1R427-60)

UL/M, Section 34, T19S, R37E

Facing west 3/26/2013



Facing east 3/26/2013