

1R - 427-195

APPROVALS
& 12.12.13 REPORT

YEAR(S):

20 ~~13~~ 14

P.1.

Rice Environmental Consulting & Safety

P.O. Box 2948, Hobbs, NM 88241
Phone 575.393.2967

CERTIFIED MAIL

RETURN RECEIPT NO. 7007 2560 0000 4569 9019

November 12, 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 Jct. J-34 (1R427-195): UL/J, Sec. 34, T19S, R36E
RICE Operating Company – Eunice Monument Eumont SWD System

Mr. Hansen:

RICE Operating Company (ROC) has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the above-referenced site in the EME Salt Water Disposal (SWD) system. ROC is the service provider (agent) for the EME 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 and Previous Work

In 2004, ROC initiated work on the former J-34 junction box. The site is located in UL J, Sec. 34, T19S, R36E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 50 +/- feet. The site was delineated using a backhoe to form an 8x3x6 ft deep excavation and soil samples were screened at regular intervals for both hydrocarbons and chlorides. Each sample was field titrated for chlorides and screened for TPH, resulting in low concentrations for chlorides and TPH. The 6 ft sample was sent to a commercial laboratory for analysis, resulting in a chloride, gasoline range organics (GRO) and a diesel range organics (DRO) concentration below detectable limits. The excavation was backfilled with the excavated soil to ground surface and contoured to the surrounding area. On 10/7/2004, the site was seeded with a blend of native vegetation.

Vegetation has rebounded at this site; 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. A junction box is no longer needed at this site.

The junction box site location map, area map, final report, photodocumentation, laboratory analysis, PID sheet and current photodocumentation are attached.

Rice Environmental Consulting & Safety

P.O. Box 2948, Hobbs, NM 88241

Phone 575.393.2967

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,

A handwritten signature in cursive script, appearing to read "L. Flores".

Laura Flores
Environmental Project Manager
RECS

enclosures



Site and Area Maps

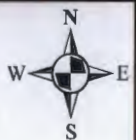
RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948, Hobbs, NM 88241
Phone 575.393.2967


SITE LOCATION MAP



EME
Jct J-34

1R427-195
UL/J
Sec. 34-T19S-R36E



0 10 20
 Feet

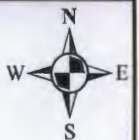
Drawing date: 10/10/2013 JS

AREA MAP



EME
Jct J-34

1R427-19S
UL/J
Sec. 34-T19S-R36E



0 10 20
HHH Feet

Drawing date: 10/10/2013 JS



Junction Box Report

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948, Hobbs, NM 88241
Phone 575.393.2967

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	jct J-34	J	34	19S	36E	Lea	Length	Width	Depth
							eliminated—no box		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER _____ G. P. Sims _____ OTHER _____

Depth to Groundwater 50.73 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 9/22/2004 Date Completed 10/7/2004 NMOCD Witness no

Soil Excavated 6 cubic yards Excavation Length 8 Width 3 Depth 6 feet

Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a

FINAL ANALYTICAL RESULTS: Sample Date 9/22/2004 Sample Depth 6 ft

TPH and chloride laboratory test results completed by using an approved laboratory and testing procedures pursuant to NMOCD guidelines.

CHLORIDE FIELD TESTS

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
GRAB @ 6 ft BGS	0.0	<10.0	<10.0	<20

LOCATION	DEPTH (ft)	ppm
vertical delineation trench at junction	2	149
	3	119
	4	89
	5	89
	6	89

General Description of Remedial Action:

This junction has been eliminated. After the box materials were removed, a vertical delineation trench was made with a backhoe at the former box site and soil samples were collected every foot of depth from 2 to 6 ft BGS. Chloride field tests were performed on the samples and yielded very low concentrations similar to background level. There were no physical indications of impact and all PID field screenings were 0.0 ppm. Lab analysis on the 6 ft deep sample confirmed field tests and all constituents were below the laboratory's detection limits. The excavated soil was blended on site and then backfilled into the trench and contoured to the surrounding surface. The disturbed surface was then seeded with a blend of native vegetation and is expected to return to productive capacity at a normal rate.

enclosures: photos, lab results, PID field screenings

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

SITE SUPERVISOR Rob Elam SIGNATURE not available COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 12/28/2005 TITLE Project Scientist



undisturbed junction box prior to excavation

9/22/2004

EME jct. J-34

Unit 'J', Sec. 34, T19S, R36E



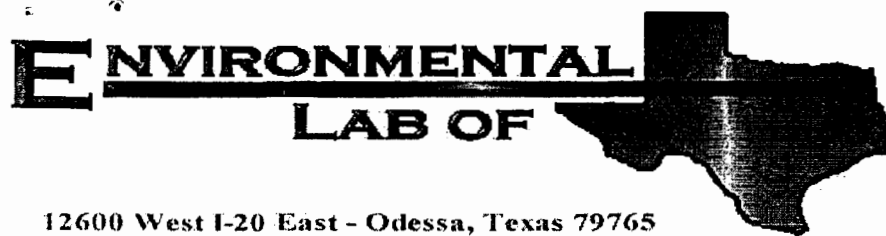
backfilling delineation trench

10/7/2004



seeding disturbed surface

10/7/2004



Analytical Report

Prepared for:

Roy Rascon
Rice Operating Co.
122 W. Taylor
Hobbs, NM 88240

COPY

Project: Jct. J-34
Project Number: None Given
Location: EME

Lab Order Number: 4126011

Report Date: 09/30/04

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Jct. J-34
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/30/04 15:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
6' Grab @ Source	4126011-01	Soil	09/22/04 15:15	09/26/04 07:10

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Jct. J-34
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/30/04 15:49

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
6' Grab @ Source (4126011-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	E142702	09/27/04	09/28/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		105 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		73.2 %	70-130		"	"	"	"	

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Jct. J-34
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/30/04 15:49

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
6' Grab @ Source (4126011-01) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EI42703	09/27/04	09/28/04	SW 846 9253	
% Solids	80.0		%	1	EI42812	09/28/04	09/28/04	% calculation	

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Jct. J-34
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/30/04 15:49

Organics by GC - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI42702 - Solvent Extraction (GC)										
Blank (EI42702-BLK1)				Prepared & Analyzed: 09/27/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	51.5		mg/kg	50.0		103	70-130			
Surrogate: 1-Chlorooctadecane	36.1		"	50.0		72.2	70-130			
Blank (EI42702-BLK2)				Prepared: 09/27/04 Analyzed: 09/28/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	58.8		mg/kg	50.0		118	70-130			
Surrogate: 1-Chlorooctadecane	36.2		"	50.0		72.4	70-130			
LCS (EI42702-BS1)				Prepared & Analyzed: 09/27/04						
Gasoline Range Organics C6-C12	467	10.0	mg/kg wet	500		93.4	75-125			
Diesel Range Organics >C12-C35	469	10.0	"	500		93.8	75-125			
Total Hydrocarbon C6-C35	936	10.0	"	1000		93.6	75-125			
Surrogate: 1-Chlorooctane	58.6		mg/kg	50.0		117	70-130			
Surrogate: 1-Chlorooctadecane	39.6		"	50.0		79.2	70-130			
LCS (EI42702-BS2)				Prepared: 09/27/04 Analyzed: 09/28/04						
Gasoline Range Organics C6-C12	453	10.0	mg/kg wet	500		90.6	75-125			
Diesel Range Organics >C12-C35	543	10.0	"	500		109	75-125			
Total Hydrocarbon C6-C35	996	10.0	"	1000		99.6	75-125			
Surrogate: 1-Chlorooctane	58.9		mg/kg	50.0		118	70-130			
Surrogate: 1-Chlorooctadecane	36.9		"	50.0		73.8	70-130			
Calibration Check (EI42702-CCV1)				Prepared & Analyzed: 09/27/04						
Gasoline Range Organics C6-C12	499		mg/kg	500		99.8	80-120			
Diesel Range Organics >C12-C35	581		"	500		116	80-120			
Total Hydrocarbon C6-C35	1080		"	1000		108	80-120			
Surrogate: 1-Chlorooctane	57.1		"	50.0		114	70-130			
Surrogate: 1-Chlorooctadecane	57.5		"	50.0		115	70-130			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 4 of 7

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Jct. J-34
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/30/04 15:49

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch EI42702 - Solvent Extraction (GC)

Calibration Check (EI42702-CCV2)

Prepared: 09/27/04 Analyzed: 09/28/04

Gasoline Range Organics C6-C12	461		mg/kg	500		92.2	80-120			
Diesel Range Organics >C12-C35	527		"	500		105	80-120			
Total Hydrocarbon C6-C35	988		"	1000		98.8	80-120			
Surrogate: 1-Chlorooctane	57.4		"	50.0		115	70-130			
Surrogate: 1-Chlorooctadecane	39.1		"	50.0		78.2	70-130			

Matrix Spike (EI42702-MS1)

Source: 4126004-01

Prepared: 09/27/04 Analyzed: 09/28/04

Gasoline Range Organics C6-C12	521	10.0	mg/kg dry	532	ND	97.9	75-125			
Diesel Range Organics >C12-C35	602	10.0	"	532	ND	113	75-125			
Total Hydrocarbon C6-C35	1120	10.0	"	1060	ND	106	75-125			
Surrogate: 1-Chlorooctane	58.7		mg/kg	50.0		117	70-130			
Surrogate: 1-Chlorooctadecane	57.0		"	50.0		114	70-130			

Matrix Spike (EI42702-MS2)

Source: 4126005-04

Prepared: 09/27/04 Analyzed: 09/28/04

Gasoline Range Organics C6-C12	555	10.0	mg/kg dry	575	ND	96.5	75-125			
Diesel Range Organics >C12-C35	607	10.0	"	575	ND	106	75-125			
Total Hydrocarbon C6-C35	1160	10.0	"	1150	ND	101	75-125			
Surrogate: 1-Chlorooctane	60.2		mg/kg	50.0		120	70-130			
Surrogate: 1-Chlorooctadecane	36.1		"	50.0		72.2	70-130			

Matrix Spike Dup (EI42702-MSD1)

Source: 4126004-01

Prepared: 09/27/04 Analyzed: 09/28/04

Gasoline Range Organics C6-C12	521	10.0	mg/kg dry	532	ND	97.9	75-125	0.00	20	
Diesel Range Organics >C12-C35	570	10.0	"	532	ND	107	75-125	5.46	20	
Total Hydrocarbon C6-C35	1090	10.0	"	1060	ND	103	75-125	2.71	20	
Surrogate: 1-Chlorooctane	57.2		mg/kg	50.0		114	70-130			
Surrogate: 1-Chlorooctadecane	53.5		"	50.0		107	70-130			

Matrix Spike Dup (EI42702-MSD2)

Source: 4126005-04

Prepared: 09/27/04 Analyzed: 09/28/04

Gasoline Range Organics C6-C12	552	10.0	mg/kg dry	575	ND	96.0	75-125	0.542	20	
Diesel Range Organics >C12-C35	621	10.0	"	575	ND	108	75-125	2.28	20	
Total Hydrocarbon C6-C35	1170	10.0	"	1150	ND	102	75-125	0.858	20	
Surrogate: 1-Chlorooctane	62.0		mg/kg	50.0		124	70-130			
Surrogate: 1-Chlorooctadecane	35.8		"	50.0		71.6	70-130			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 5 of 7

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Jct. J-34
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/30/04 15:49

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EI42703 - Water Extraction									
Blank (EI42703-BLK1)									
					Prepared: 09/27/04 Analyzed: 09/28/04				
Chloride	ND	20.0	mg/kg Wet						
Matrix Spike (EI42703-MS1)									
					Source: 4I26001-01 Prepared: 09/27/04 Analyzed: 09/28/04				
Chloride	744	20.0	mg/kg Wet	500	266	95.6	80-120		
Matrix Spike Dup (EI42703-MSD1)									
					Source: 4I26001-01 Prepared: 09/27/04 Analyzed: 09/28/04				
Chloride	755	20.0	mg/kg Wet	500	266	97.8	80-120	1.47	20
Reference (EI42703-SRM1)									
					Prepared & Analyzed: 09/28/04				
Chloride	5000		mg/kg	5000		100	80-120		
Batch EI42812 - % Solids									
Blank (EI42812-BLK1)									
					Prepared & Analyzed: 09/28/04				
% Solids	100		%						
Duplicate (EI42812-DUP1)									
					Source: 4I24018-01 Prepared & Analyzed: 09/28/04				
% Solids	98.0		%		98.0		0.00	20	

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Jct. J-34
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/30/04 15:49

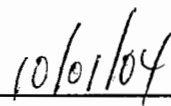
Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date:



Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Biezugbe, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

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: Roy Rascon
Company Name: RICE Operating
Company Address: 122 W. Taylor
City/State/Zip: Hobbs, NM 88240
Telephone No: (505) 393-9174 Fax No: (505) 397-1471
Sampler Signature: *R. Rascon*

Project Name: Jct. J-34

Project #: _____

Project Loc: ENE

PO #:

[illegible]

Environmental Lab of Texas **Variance / Corrective Action Report – Sample Log-In**

Client: Rice Operating Co.

Date/Time: 09-26-04 @ 1415

Order #: 4I26011

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="checkbox"/> Yes	No	-2.5 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	<input checked="" type="checkbox"/> Not present
Custody Seals intact on sample bottles?	Yes	No	<input checked="" type="checkbox"/> Not present
Chain of custody present?	<input checked="" type="checkbox"/> Yes	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/> Yes	No	
Container labels legible and intact?	<input checked="" type="checkbox"/> Yes	No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	No	
Samples properly preserved?	<input checked="" type="checkbox"/> Yes	No	
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____

Regarding:

Corrective Action Taken:

RICE OPERATING COMPANY
122 WEST TAYLOR
HOBBS, NEW MEXICO 88240
PHONE: (505) 393-9174 FAX: (505) 397-1471
VOC FIELD TEST REPORT FORM
MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S
CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE
AIR
LOT NO: 03-2475
EXP. DATE: 10-19-04
METER READING
ACCURACY: 100.0

SERIAL NO: ¹⁰⁴⁵⁵⁰
~~104412~~

100 PPM
BALANCE
FILL DATE: 4-19-04
ACCURACY: ± 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	J-34	J	34	19	36

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Source 2'	0		
3'	0		
4'	0		
5'	0		
6'	0		

COPY

I certify that I have calibrated the above instrument in accordance to the manufacture operation manual.

Rob Elam
Signature

9-22-04
Date



Current Photodocumentation

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948, Hobbs, NM 88241
Phone 575.393.2967

EME Jct. J-34 (1R427-195)
UL/J, Section 34, T19S, R36E



Facing South

5/23/2013



Facing West

5/23/2013

UTC 2013-05-23 20:25:43
W: 103 20' 14.83"
N: 032 36' 52.57"