

1R - 425-17

**APPROVALS**

**YEAR(S):**

2012

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**Hansen, Edward J., EMNRD**

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**From:** Hansen, Edward J., EMNRD  
**Sent:** Monday, May 07, 2012 4:44 PM  
**To:** Hack Conder (hconder@riceswd.com)  
**Cc:** Leking, Geoffrey R, EMNRD; Katie Jones <kjones@riceswd.com> (kjones@riceswd.com); Laura Pena (lpena@riceswd.com); Scott Curtis (scurtis@riceswd.com)  
**Subject:** Remediation Plan (1R425-17) Termination - ROC Vacuum Exxon State 'J' EOL Site

**RE: Termination Request  
for the Rice Operating Company's  
Vacuum Exxon State 'J' EOL Site  
Unit Letter L, Section 19, T17S, R35E, NMPM, Lea County, New Mexico  
Remediation Plan (1R425-17) 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 17, 2012 (received April 20, 2012). The report is 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 (1R425-17) 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

RECEIVED OOD

2012 APR 20 A 9:11

## **RICE** *Operating Company*

122 West Taylor • Hobbs, New Mexico 88240

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

April 17, 2012

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  
Vacuum Exxon State 'J' EOL (1R425-17): UL/L, Sec. 19, T17S, R35E  
RICE Operating Company – Vacuum SWD System

Mr. Hansen:

Rice Operating Company (ROC) is the service provider (agent) for the abandoned Vacuum 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 2005, ROC initiated work on the former Exxon State 'J' EOL junction box as part of the system abandonment. The site is located in UL/L, Sec. 19, T17S, R35E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 115 +/- feet. The site was delineated using a backhoe to collect soil samples at regular intervals, creating an 8x3x9-ft deep excavation. Each sample was field titrated for chlorides and field screened using a PID for hydrocarbons, resulting in low concentrations of each. The 9-ft sample was sent to a commercial laboratory for analysis of chloride and TPH, resulting in a chloride concentration of 231 mg/kg, and concentrations of gasoline range organics (GRO) and diesel range organics (DRO) below detectable limits. The excavated soil was returned to the excavation to ground surface and contoured to the surrounding area. On 12/7/2005, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. The junction box final report, photo documentation, laboratory analysis, and PID sheet 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, sweeping underline.

Hack Conder  
Environmental Manager

enclosures

**RICE OPERATING COMPANY  
JUNCTION BOX FINAL REPORT**

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Vacuum	Exxon St. 'J' EOL	L	19	17S	35E	Lea	Length	Width	Depth
							eliminated (SWD system abandoned)		

LAND TYPE: BLM \_\_\_\_\_ STATE X FEE LANDOWNER \_\_\_\_\_ OTHER \_\_\_\_\_

Depth to Groundwater 115 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 7/13/2005 Date Completed 7/26/2005 NMOCD Witness no

Soil Excavated 8 cubic yards Excavation Length 8 Width 3 Depth 9 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 7/13/2005 Sample Depth 9 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 @ 9 ft BGS	2.6	<10.0	<10.0	231

LOCATION	DEPTH (ft)	ppm
background	0.5	107
vertical trench at junction	4	182
	5	236
	6	193
	7	269
	8	148
	9	231

**General Description of Remedial Action:**

This junction was eliminated with the

Vacuum SWD System Abandonment. The box was removed and the location was delineated using a backhoe to excavate an 9-ft-deep trench at the junction site. Chloride field tests and PID

screenings were performed on every vertical foot of soil samples from 4-9 ft. Chloride concentrations were all very low, peaking at 269 ppm on the 7-ft sample. All PID screenings were also low and TPH concentrations from the laboratory were non-detect (10.0 ppm). The soil samples did not exhibit any physical indications of hydrocarbon or salt impact and the location was surrounded by healthy native vegetation. The excavated soils were backfilled into the trench and contoured to the surrounding surface.

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 Jorge Hernandez SIGNATURE not available COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Pope  
DATE 9/7/2005 TITLE Project Scientist

## Vacuum Exxon St. 'J' EOL

Unit 'L', Sec. 19, T17S, R35E



undisturbed box prior to excavation

7/13/2005



delineation trench at former box site

7/13/2005



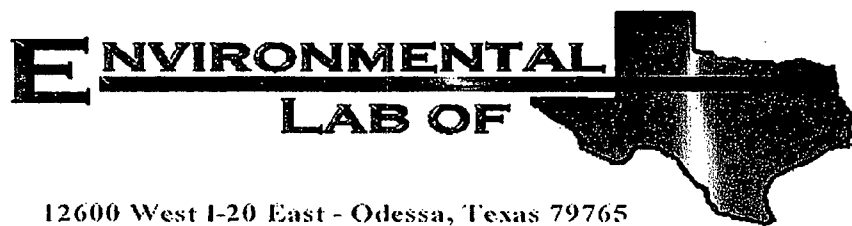
backfilling

7/26/2005



seeding backfilled site

12/7/2005



12600 West I-20 East - Odessa, Texas 79765

COPY

## Analytical Report

**Prepared for:**

Roy Rascon

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: Vacuum Exxon St. J EOL

Project Number: None Given

Location: None Given

Lab Order Number: 5G14004

Report Date: 07/19/05

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

Project: Vacuum Exxon St. J EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471  
Reported:  
07/19/05 16:38

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Grab Sample@ 9'	5G14004-01	Soil	07/13/05 13:10	07/14/05 08:00



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

Project: Vacuum Exxon St. J EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471  
Reported:  
07/19/05 16:38

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Grab Sample@ 9' (5G14004-01) Soil</b>									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG51409	07/14/05	07/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		79.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		83.2 %	70-130		"	"	"	"	

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

Project: Vacuum Exxon St. J EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
07/19/05 16:38

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Grab Sample@ 9' (SG14004-01) Soil</b>									
<b>Chloride</b>	<b>231</b>	5.00	mg/kg	10	EG51904	07/18/05	07/18/05	EPA 300.0	
<b>% Moisture</b>	<b>1.1</b>	0.1	%	1	EG51505	07/14/05	07/15/05	% calculation	

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 3 of 7

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

Project: Vacuum Exxon St. J EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
07/19/05 16:38

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>Batch EG51409 - Solvent Extraction (GC)</b>									
<b>Blank (EG51409-BLK1)</b>		Prepared & Analyzed: 07/14/05							
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	36.0		mg/kg	50.0		72.0	70-130		
Surrogate: 1-Chlorooctadecane	35.6		"	50.0		71.2	70-130		
<b>LCS (EG51409-BS1)</b>		Prepared & Analyzed: 07/14/05							
Gasoline Range Organics C6-C12	381	10.0	mg/kg wet	500		76.2	75-125		
Diesel Range Organics >C12-C35	389	10.0	"	500		77.8	75-125		
Total Hydrocarbon C6-C35	770	10.0	"	1000		77.0	75-125		
Surrogate: 1-Chlorooctane	39.6		mg/kg	50.0		79.2	70-130		
Surrogate: 1-Chlorooctadecane	35.4		"	50.0		70.8	70-130		
<b>Calibration Check (EG51409-CCV1)</b>		Prepared & Analyzed: 07/14/05							
Gasoline Range Organics C6-C12	421		mg/kg	500		84.2	80-120		
Diesel Range Organics >C12-C35	445		"	500		89.0	80-120		
Total Hydrocarbon C6-C35	866		"	1000		86.6	80-120		
Surrogate: 1-Chlorooctane	57.5		"	50.0		115	70-130		
Surrogate: 1-Chlorooctadecane	50.2		"	50.0		100	70-130		
<b>Matrix Spike (EG51409-MS1)</b>		Source: 5G13011-08	Prepared & Analyzed: 07/14/05						
Gasoline Range Organics C6-C12	486	10.0	mg/kg dry	548	ND	88.7	75-125		
Diesel Range Organics >C12-C35	573	10.0	"	548	43.2	96.7	75-125		
Total Hydrocarbon C6-C35	1060	10.0	"	1100	43.2	92.4	75-125		
Surrogate: 1-Chlorooctane	44.6		mg/kg	50.0		89.2	70-130		
Surrogate: 1-Chlorooctadecane	43.9		"	50.0		87.8	70-130		
<b>Matrix Spike Dup (EG51409-MSD1)</b>		Source: 5G13011-08	Prepared & Analyzed: 07/14/05						
Gasoline Range Organics C6-C12	551	10.0	mg/kg dry	548	ND	101	75-125	12.5	20
Diesel Range Organics >C12-C35	538	10.0	"	548	43.2	90.3	75-125	6.30	20
Total Hydrocarbon C6-C35	1090	10.0	"	1100	43.2	95.2	75-125	2.79	20
Surrogate: 1-Chlorooctane	52.8		mg/kg	50.0		106	70-130		
Surrogate: 1-Chlorooctadecane	41.6		"	50.0		83.2	70-130		

Environmental Lab of Texas

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Page 4 of 7

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

Project: Vacuum Exxon St. J EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471  
Reported:  
07/19/05 16:38

**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 Limit	Notes
<b>Batch EG51505 - General Preparation (Prep)</b>								
<b>Blank (EG51505-BLK1)</b>			Prepared: 07/14/05 Analyzed: 07/15/05					
% Moisture	ND	0.1	%					
<b>Duplicate (EG51505-DUP1)</b>			Source: 5G14002-01		Prepared: 07/14/05 Analyzed: 07/15/05			
% Moisture	11.0	0.1	%		9.5		14.6	20
<b>Batch EG51904 - Water Extraction</b>								
<b>Blank (EG51904-BLK1)</b>			Prepared & Analyzed: 07/19/05					
Chloride	ND	0.500	mg/kg					
<b>Blank (EG51904-BLK2)</b>			Prepared & Analyzed: 07/19/05					
Chloride	ND	0.500	mg/kg					
<b>LCS (EG51904-BS1)</b>			Prepared & Analyzed: 07/18/05					
Chloride	11.1		mg/L	10.0	111	80-120		
<b>LCS (EG51904-BS2)</b>			Prepared & Analyzed: 07/19/05					
Chloride	10.5		mg/L	10.0	105	80-120		
<b>Calibration Check (EG51904-CCV1)</b>			Prepared & Analyzed: 07/18/05					
Chloride	10.9		mg/L	10.0	109	80-120		
<b>Calibration Check (EG51904-CCV2)</b>			Prepared & Analyzed: 07/18/05					
Chloride	10.9		mg/L	10.0	109	80-120		
<b>Duplicate (EG51904-DUP1)</b>			Source: 5G14002-01		Prepared & Analyzed: 07/18/05			
Chloride	139	5.00	mg/kg		138		0.722	20

Environmental Lab of Texas

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

Project: Vacuum Exxon St. J EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
07/19/05 16:38

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**

**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EG51904 - Water Extraction**

**Duplicate (EG51904-DUP2)**

**Source: 5G15012-08**

**Prepared & Analyzed: 07/18/05**

Chloride	81.3	5.00	mg/kg		97.5			18.1	20	
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Environmental Lab of Texas

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Page 6 of 7

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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

Project: Vacuum Exxon St. J EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471  
**Reported:**  
07/19/05 16:38

#### 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: \_\_\_\_\_

*Raland K. Tuttle*

Date: \_\_\_\_\_

7/19/2005

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

Jeanne Mc Murrey, Inorg. Tech Director  
LaTasha Cornish, Chemist  
Sandra Sanchez, 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.

Phone: 915-563-1800  
Fax: 915-563-1713

**Project Manager: Roy Rascon**

Project Name: Vacuum Ejector St J EOC

Company Name Rice Operating Company

Project #:

**Company Address:** 122 W Taylor

Project Loc: ~~Enron 3A J EOL~~

City/State/Zip: Hobbs, NM 88240

PO #:

Telephone No: 505-393-9174

**Fax No: 505-397-1471**

**Sampler Signature:**

**Special Instructions:**

Special Instructions:						Sample Containers Intact? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Temperature Upon Receipt: Laboratory Comments: -1.0°C	
Relinquished by:	Date	Time	Received by:	Date	Time	4 oz glass on ice w/labels + seals container + cooler	
<i>[Signature]</i>	7-13-05	3:45	<i>[Signature]</i>	7/13/05	12:00		
Relinquished by:	Date	Time	Received by ELDT:	Date	Time		
<i>[Signature]</i>	7/14	8:00	<i>[Signature]</i>	7-14-05	08:00		

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

ent: Rice Op.  
 reTime: 7/14/05  
 rder #: 5614004  
 itals: CK CK

**Sample Receipt Checklist**

temperature of container/cooler?	Yes	No	-1.0	C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	No		
History Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/>	No	Not present	
History Seals intact on sample bottles?	<input checked="" type="checkbox"/>	No	Not present	
Chain of custody present?	<input checked="" type="checkbox"/>	No		
Sample instructions complete on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/>	No		
Chain of custody agrees with sample labels,	<input checked="" type="checkbox"/>	No		
Container labels legible and intact?	<input checked="" type="checkbox"/>	No		
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/>	No		
Samples in proper containers/bags?	<input checked="" type="checkbox"/>	No		
Samples properly preserved?	<input checked="" type="checkbox"/>	No		
Sample bottles intact?	<input checked="" type="checkbox"/>	No		
Preservatives documented on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/>	No		
All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	No		
All samples sealed airtight headspace?	<input checked="" type="checkbox"/>	No	Not Applicable	

Other observations:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Variance Documentation:**

Contact Person: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_  
 Regarding: \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_

Corrective Action Taken:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



HOBBS, NEW MEXICO 88240  
PHONE: (505) 393-9174 FAX: (505) 397-1471  
**VOC FIELD TEST REPORT FORM**

COPY

ACCURACY: 100

Date 7-13-05