

1R - 425-96

**APPROVALS**

**YEAR(S):**

2012

**Hansen, Edward J., EMNRD**

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**From:** Hansen, Edward J., EMNRD  
**Sent:** Tuesday, July 31, 2012 4:59 PM  
**To:** Hack Conder (hconder@riceswd.com)  
**Cc:** Leking, Geoffrey R, EMNRD; Laura Pena (lpena@riceswd.com)  
**Subject:** Remediation Plan (1R425-96) Termination - ROC Vacuum Jct C-27 Site

**RE: Termination Request  
for the Rice Operating Company's  
Vacuum Jct C-27 Site  
Unit Letter C, Section 27, T17S, R35E, NMPM, Lea County, New Mexico  
Remediation Plan (1R425-96) 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 July 2, 2012 (received July 3, 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 (1R425-96) 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

JUL 3 2012

**RICE** *Operating Company* Oil Conservation Division  
122 West Taylor • Hobbs, New Mexico 88240 1220 S. St. Francis Drive  
Phone: (575) 393-9174 • Fax: (575) 397-1471 Santa Fe, NM 87505

CERTIFIED MAIL

RETURN RECEIPT NO. 7007 2560 0000 4569 8654

July 2, 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 Jct. C-27 (1R425-96): UL/C, Sec. 27, 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 2010, ROC initiated work on the former C-27 junction box as part of the system abandonment. The site is located in UL/C, Sec. 27, T17S, R35E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 54 +/- feet. The site was delineated using a backhoe to collect soil samples at regular intervals, creating a 5x3x6-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 6-ft sample was sent to a commercial laboratory for analysis of chloride and TPH, resulting in a chloride concentration of 16 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 3/3/2011, 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 flourish at the end.

Hack Conder  
Environmental Manager

enclosures

### BOX LOCATION

PROJECT LEADER: Larry Bruce Baker Jr. SIGNATURE: *Larry Bruce Baker Jr.* DATE: 3-22-11

DATE: 3-22-11

## Vacuum Jct. C-27

Unit C, Section 27, T17S, R35E



Site prior to delineation

3/19/2010



Collecting sample

3/19/2010



Backfilling excavation

3/19/2010



Seeding excavation

3/03/2011



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

COPY

ANALYTICAL RESULTS FOR  
RICE OPERATING COMPANY  
ATTN: BRUCE BAKER  
122 W. TAYLOR  
HOBBS, NM 88240

Receiving Date: 03/19/10  
Reporting Date: 03/23/10  
Project Number: NOT GIVEN  
Project Name: VACUUM JCT C-27 (17/35)  
Project Location: VACUUM JCT C-27 (17/35)

Sampling Date: 03/19/10  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: JH  
Analyzed By: AB/SJ

LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	(>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	(mg/kg)

ANALYSIS DATE	03/22/10	03/22/10	03/22/10
H19496-1** SOURCE BTM GRAB @ 6FT.	<10.0	<10.0	16
Quality Control	526	560	490
True Value QC	500	500	500
% Recovery	105	112	98.0
Relative Percent Difference	0.6	4.7	2.1

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

\*Analysis performed on a 1:4 w/v aqueous extract.

Reported on wet weight.

\*\*One or more TPH surrogates outside historical limits due to matrix interference.

Cheryl Keene  
Chemist

03/24/10  
Date

H19496 TCL RICE

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# CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603  
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

# COPY

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Rice Operating Company				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																				
Project Manager: Bruce Baker				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div>Chlorides</div> <div>TPH 8015 M</div> <div>BTEX</div> <div>Texas TPH</div> </div>																				
Address: 122 West Taylor				Company:																								
City: Hobbs State: NM Zip: 88240				Attn: /																								
Phone #: 575-393-9174 Fax #: 575-397-1471				Address:																								
Project #: Project Owner:				City:																								
Project Name: Vacuum Jct C-27 17/35				State: Zip:																								
Project Location: Vacuum Jct C-27 17/35				Phone #:																								
Sampler Name: Jordan Woodfin				Fax #:																								
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																				
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL:	OIL:	SLUDGE	OTHER:	ACID/BASE	ICE / COOL	OTHER:	DATE	TIME														
H1949b1	Source Btm Grab @ 6 Ft	G	1			✓				✓			2:30p	3-19-02	✓	✓												

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Relinquished By:		Date:	Received By:		Phone Result:		Fax Result:		Add'l Phone #:	
Jordan Woodfin		3-19-02			☐ Yes ☐ No		☐ Yes ☐ No			
Relinquished By:		Date:	Received By:		REMARKS:  email results jwoodfin@riceswd.com; jpurvis@riceswd.com bbaker@riceswd.com					
		3/19/02	Jodi Benson							
Delivered By: (Circle One)		Time:	4:15							
Sampler - UPS - Bus - Other:		Sample Condition		CHECKED BY:						
		Cool Intact		(Initials)						
		☐ Yes ☐ No		JAA						

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

NEED SAMPLES BACK, PLEASE

#26



# RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240  
 PHONE: (575) 393-9174 FAX: (575) 397-1471  
 PID METER CALIBRATION & FIELD REPORT FORM

COPY

Check Model Number:

✓

Model: PGM 7300 Serial No: 590-000183  
 Model: PGM 7300 Serial No: 590-000508  
 Model: PGM 7300 Serial No: 590-000504


Model: PGM 7600 Serial No: 110-023920  
 Model: PGM 7600 Serial No: 110-013744  
 Model: PGM 7600 Serial No: 110-013676

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 924503	EXPIRATION DATE: 7-5-12
FILL DATE: 7-1-09	METER READING ACCURACY: 1.0

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
Vacuum	C-27	C	27	175	35E

SAMPLE ID	PID	SAMPLE ID	PID
Source		Background	
2'	2.6	6"	0
3'	1.4		
4'	1.6		
5'	1.3		
6'	1.2		

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

SIGNATURE:

*Jordan Wolff*

DATE: 3-19-12