

1R - 427-09

# REPORTS

DATE:

5-13-10



RECEIVED

MAY 17 2010

Environmental Bureau  
Oil Conservation Division

CERTIFIED MAIL  
RETURN RECEIPT NO. 7010 0290 0003 1264 8911

May 13, 2010

Mr. Edward Hansen  
New Mexico Energy, Minerals, & Natural Resources  
Oil Conservation Division, Environmental Bureau  
1220 S. St. Francis Drive  
Santa Fe, New Mexico 87504

RE: **Termination Request**  
**EME Jct. L-6 Boot (1R0427-09)**  
**T20S-R37E-Section 6, Unit Letter L**  
**Lea County, New Mexico**

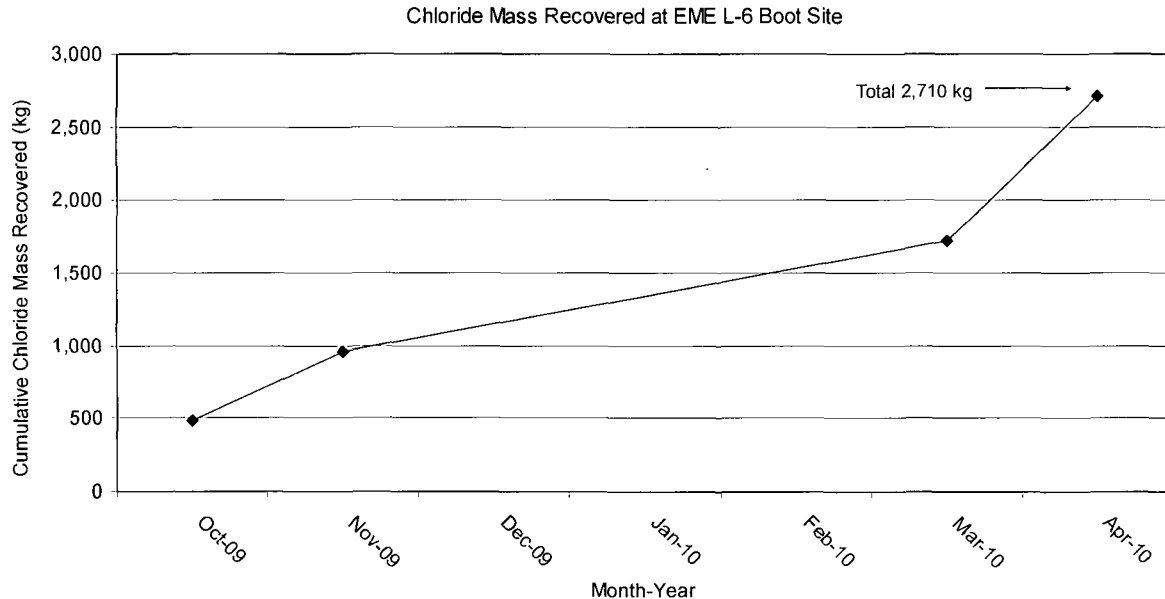
Mr. Hansen:

On behalf of Rice Operating Company (ROC), the following is an update of the completed chloride removal program which has been performed at the above-referenced site and a Termination Request. This request documents the completion of corrective actions which were performed in accordance with the Corrective Action Plan submitted to the NMOCD on September 5, 2008 and approved by NMOCD on January 7, 2009.

As of April 21, 2010, a total of 62,437 gallons (1,486 barrels) of groundwater with an average chloride concentration of 11,475 mg/L has been recovered at the site. The most recent laboratory analytical results for the groundwater recovered from recovery well RW-1 are attached. The groundwater recovered at this site has resulted in the removal of 2,710 kg of chlorides. As stated in the NMOCD-approved Corrective Action Plan, the goal of groundwater recovery was to remove 2,327 kg of chloride mass.

The following table depicts the cumulative chloride mass removed at the site since recovery operations began in October 2009.

Termination Request  
EME L-6 Site (1R0427-09)  
T20S-R37E - Section 6, Unit Letter L



ROC is the service provider (agent) for the EME SWD System and has no ownership of any portion of pipeline, well, or facility. The EME SWD System is owned by a consortium of oil producers, System Parties, who provide all operating capital on a percentage ownership/usage basis.

ROC has met all corrective action requirements in accordance with 19.15.29 NMAC, and respectfully requests termination of the regulatory file for this site. Approval of this request will allow ROC to utilize the groundwater recovery system for the next available site and continue the success of their chloride mass removal program.

Thank you for your consideration concerning this request for site termination. If you have any questions, please contact Hack Conder at (575) 393-9174.

Sincerely,

Gilbert J. Van Deventer, PG, REM  
Trident Environmental

cc: Hack Conder (ROC)



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

ANALYTICAL RESULTS FOR  
RICE OPERATING COMPANY  
ATTN: HACK CONDER  
122 WEST TAYLOR  
HOBBS, NM 88240  
FAX TO: (575) 397-1471


Receiving Date: 02/26/10  
Reporting Date: 03/04/10  
Project Number: NOT GIVEN  
Project Name: EME L-6 BOOT  
Project Location: T20S-R37E-SEC6 L ~ LEA CO., N.M.

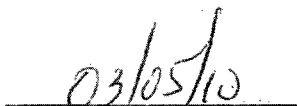
Sampling Date: 02/23/10  
Sample Type: WATER  
Sample Condition: COOL & INTACT  
Sample Received By: CK  
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl <sup>-</sup> (mg/L)	SO <sub>4</sub> (mg/L)	TDS (mg/L)
Analysis Date:		03/02/10	03/03/10	02/26/10
H19352-1	MONITOR WELL #1	11,000	4,860	24,900
H19352-2	MONITOR WELL #2	12,200	4,500	25,300
H19352-3	MONITOR WELL #3	11,200	4,800	24,300
H19352-4	RECOVERY WELL #1	11,600	4,700	25,400
Quality Control		500	43.0	NR
True Value QC		500	40.0	NR
% Recovery		100	108	NR
Relative Percent Difference		< 0.1	7.7	3.4

METHOD: Standard Methods, EPA	4500-Cl <sup>-</sup> B	375.4	160.1
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Not accredited for Chloride, Sulfate and TDS.

  
Cheryl Keene  
Chemist

  
Date

H19352 RICE

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ANALYTICAL RESULTS FOR  
RICE OPERATING COMPANY  
ATTN: HACK CONDER  
122 W. TAYLOR  
HOBBS, NM 88240  
FAX TO: (575) 397-1471


Receiving Date: 02/26/10  
Reporting Date: 03/03/10  
Project Number: NOT GIVEN  
Project Name: EME L-6 BOOT  
Project Location: T20S-R37E-SEC6 L~ LEA CO., NM

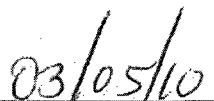
Sampling Date: 02/23/10  
Sample Type: WATER  
Sample Condition: COOL & INTACT  
Sample Received By: CK  
Analyzed By: ZL

LAB NUMBE SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE	03/02/10	03/02/10	03/02/10	03/02/10
H19352-1 MONITOR WELL #1	<0.001	<0.001	<0.001	<0.003
H19352-2 MONITOR WELL #2	<0.001	<0.001	<0.001	<0.003
H19352-3 MONITOR WELL #3	<0.001	<0.001	<0.001	<0.003
H19352-4 RECOVERY WELL #1	<0.001	<0.001	<0.001	<0.003
Quality Control	0.043	0.049	0.048	0.152
True Value QC	0.050	0.050	0.050	0.150
% Recovery	86.0	98.0	96.0	101
Relative Percent Difference	2.0	1.0	<1.0	<1.0

METHOD: EPA SW-846 8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,  
AND TOTAL XYLENES.

  
Chemist

  
Date

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# Cardinal Laboratories, Inc.

101 East Marland - Hobbs, New Mexico 88240  
Tel (575) 393-2326  
Fax (575) 393-2476

<b>Company Name:</b> RICE Operating Company <b>Project Manager:</b> Hack Conder <b>Address:</b> (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240 <b>Phone #:</b> (575) 393-9174 <b>Fax #:</b> (575) 393-9174		<b>BILL TO Company:</b> RICE Operating Company <b>Address:</b> (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240 <b>Phone #:</b> (575) 393-9174 <b>Fax #:</b> (575) 393-9174		<b>PO#</b> (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240 <b>Phone #:</b> (575) 393-9174 <b>Fax #:</b> (575) 393-9174	
<b>Project Name:</b> EME L-6 Boot		<b>Project Location:</b> T20S-R37E-Sec6 L ~ Lea County - New Mexico			
<b>Project Location:</b> T20S-R37E-Sec6 L ~ Lea County - New Mexico		<b>Sampler Signature:</b> <i>Rozanne Johnson</i> Rozanne Johnson (575) 831-8310 rozanne@valornet.com			

LAB #	FIELD CODE	(G)rab or (C)omp	MATRIX				PRESERVATIVE METHOD				SAMPLING	
			WATER	SOIL	AIR	SLUDGE	HCL (2.40ml VOA)	HNO <sub>3</sub>	NaHSO <sub>4</sub>	H <sub>2</sub> SO <sub>4</sub>	ICE (1-litter HDPE)	DATE (2010)
119357-1	Monitor Well #1	G	X				2			1	2-23	14:00
-2	Monitor Well #2	G	X				2			1	2-23	12:10
-3	Monitor Well #3	G	X				2			1	2-23	13:05
-4	Discovery Well #1	G	X				2			1	2-23	16:00

ANALYSIS REQUEST (Circle or Specify Method No.)																			
TPH 418 1/TX1005 / TX1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCBs 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content	Cations (Ca, Mg, Na, K)	Anions (Cl, SO <sub>4</sub> , CO <sub>3</sub> , HCO <sub>3</sub> )	Sulfates	Total Dissolved Solids	Chlorides	Turn Around Time ~ 24 Hours

Phone Results	Yes	No
Fax Results	Yes	No

REMARKS:

Relinquished by: *Rozanne Johnson* Date: 2/26/10 Time: 12:56

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received By: (Laboratory Staff) *Calhoun* Date: 2/26/10 Time: 12:57

Delivered By: (Circle One) \_\_\_\_\_

(Sampler) - UPS - Bus - Other: \_\_\_\_\_

Sample Condition: Yes ☒ No ☐ Cool ☒ Intact ☒

CHECKED BY: *Calhoun* (Initials)

Email F Email Results to hconder@riceswd.com  
 weinheimer@riceswd.com  
 kiones@riceswd.com  
 rozanne@valornet.com

#26

## **Hansen, Edward J., EMNRD**

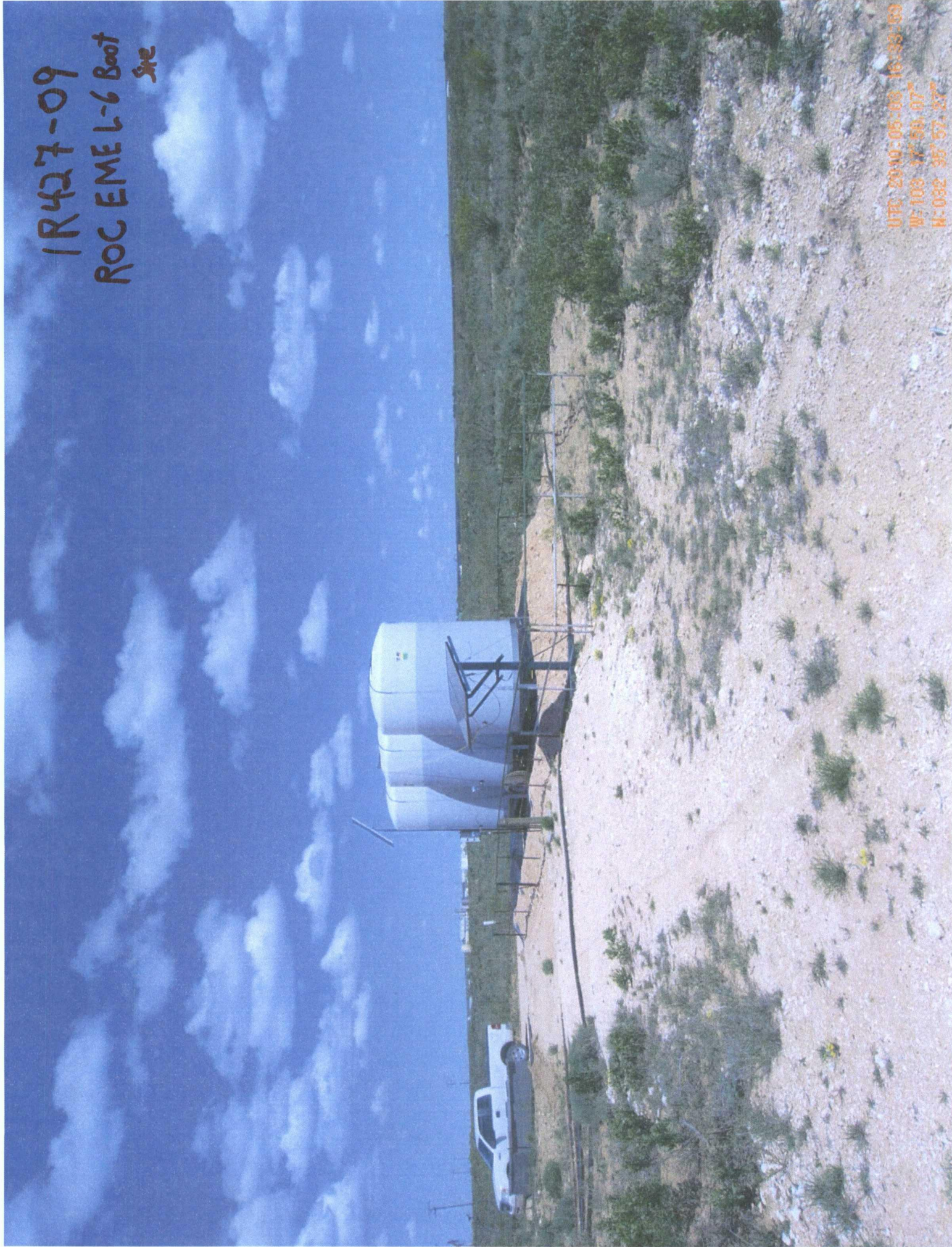
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**From:** Katie Jones [kjones@riceswd.com]  
**Sent:** Wednesday, May 19, 2010 9:05 AM  
**To:** Hansen, Edward J., EMNRD  
**Subject:** EME Jct. D-1 (AP-67 ) and EME L-6 boot (1R427-09)  
**Attachments:** EME D-1 001.jpg; EME L-6 SITE 020.JPG

Attached.



1R427-09  
ROC EME L-6 Boot  
Site



UTC: 2010-05-03 16:53:53  
W: 103 17 59.07"  
N: 032 35 57.57"