

**1R - 427-396**

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**REPORTS**

**DATE:**

**3-4-13**

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1R427-396

EME J-29 EOL

2012

*Handwritten signature*

APR 2 2013

Off Conservation Division  
220 S. St. Stephen's Drive  
Santa Fe, NM 87501

**CLOSURE**

# RICE *Operating Company*

122 West Taylor • Hobbs, New Mexico 88240

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

April 1, 2013

RECEIVED

APR 2 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

Oil Conservation Division  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

RE: Termination Request  
EME J-29 EOL: UL/J, Sec. 29, T21S, R36E  
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.

## **Background**

In 2012, ROC initiated work on the former J-29 EOL junction box. The site is located in UL/J, Sec. 29, T21S, R36E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 225 +/- feet. The site was delineated using a backhoe to collect soil samples at regular intervals, creating a 10x10x12 ft deep excavation. Each sample was field titrated for chlorides and field screened using a PID for hydrocarbons, resulting in chloride concentrations that decreased with depth and low concentrations of TPH. The excavated soil was blended on site and representative composite samples of the excavation bottom, the excavation walls, and the blended backfill were sent to a commercial laboratory for analysis of chloride and TPH, resulting in a 4-wall chloride concentration of 512 mg/kg, a gasoline range organics (GRO) concentration below detectable limits and a diesel range organics (DRO) concentration of 90.1 mg/kg. The bottom composite resulted in a chloride concentration of 528 mg/kg, a GRO concentration below detectable limits and a DRO concentration of 18.9 mg/kg. The blended backfill resulted in a chloride concentration of 560 mg/kg, a GRO concentration below detectable limits, and a DRO concentration of 112 mg/kg. The excavation was backfilled with the blended soil to ground surface and contoured to the surrounding area. On 2/22/2013, 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 location plat, final report, photo documentation, laboratory analysis, chloride graph, and revegetation form 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.

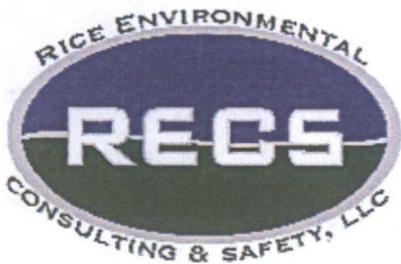
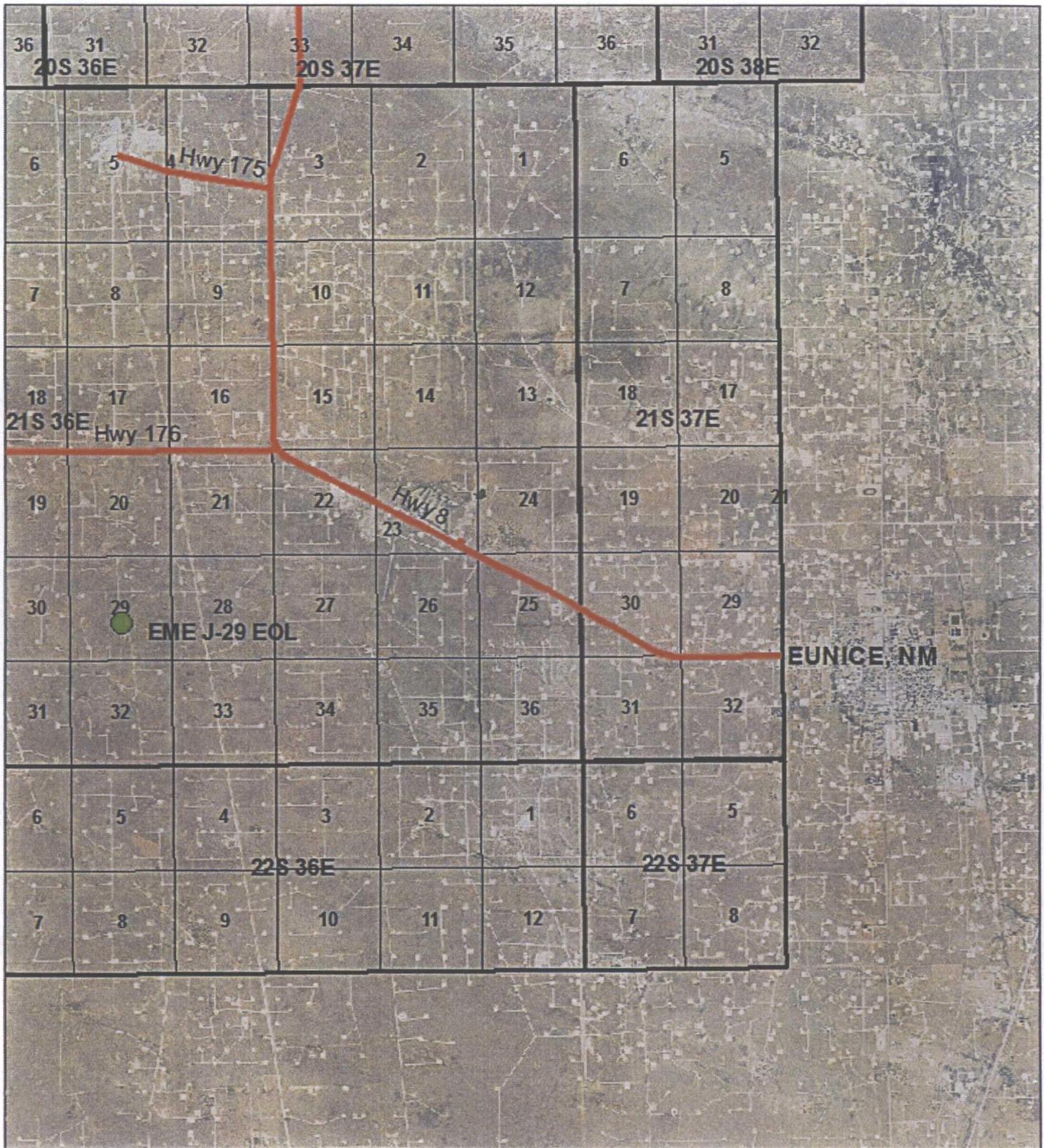
Sincerely,  
RICE Operating Company

A handwritten signature in black ink, appearing to read "H. Conder", with a long horizontal flourish extending to the right.

Hack Conder  
Environmental Manager

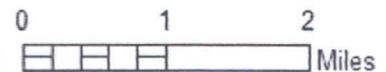
enclosures





# EME J-29 EOL

UL/J SECTION 29  
T-21-S R-36-E  
LEA COUNTY, NM



Drawing date: 11/7/12  
Drafted by: Tony Grieco

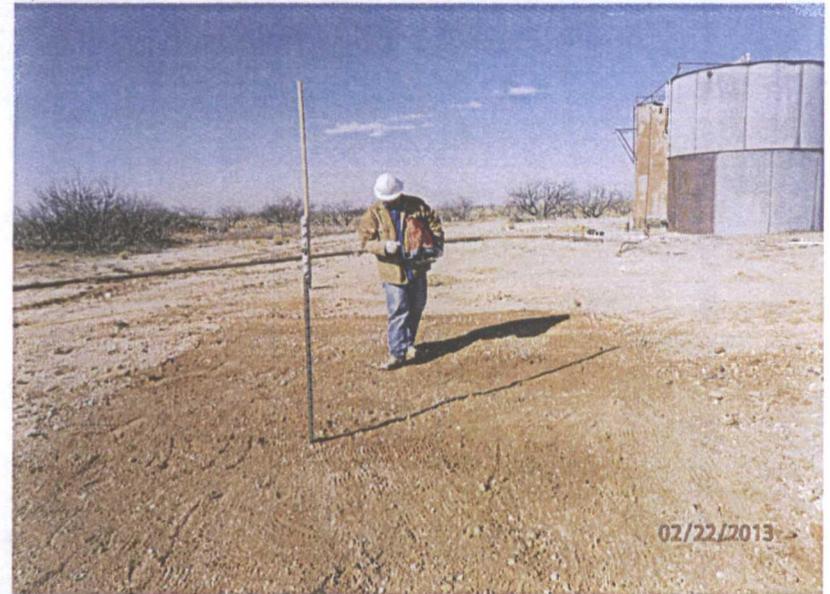
# EME J-29 EOL

Unit J, Section 29, T21S, R36E



Excavating site, facing west

3/19/2012



Seeding site, facing west

2/22/2013



Raking in seed, facing south

2/22/2013



Site completed

2/22/2013



March 22, 2012

ZACH CONDER

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: EME J-29 EOL

Enclosed are the results of analyses for samples received by the laboratory on 03/20/12 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

COPY

**Analytical Results For:**

 Rice Operating Company  
 ZACH CONDER  
 112 W. Taylor  
 Hobbs NM, 88240  
 Fax To: (575) 397-1471

 Received: 03/20/2012  
 Reported: 03/22/2012  
 Project Name: EME J-29 EOL  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 03/20/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: 5 PT BTM COMP (H200692-01)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>528</b>	16.0	03/22/2012	ND	384	96.0	400	8.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/22/2012	ND	177	88.5	200	3.05	
<b>DRO &gt;C10-C28</b>	<b>18.9</b>	10.0	03/22/2012	ND	166	82.9	200	2.14	

Surrogate: 1-Chlorooctane 115 % 55.5-154  
 Surrogate: 1-Chlorooctadecane 110 % 57.6-158

**Sample ID: 4 WALL COMP (H200692-02)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>512</b>	16.0	03/22/2012	ND	384	96.0	400	8.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	03/22/2012	ND	177	88.5	200	3.05	
<b>DRO &gt;C10-C28</b>	<b>90.1</b>	50.0	03/22/2012	ND	166	82.9	200	2.14	

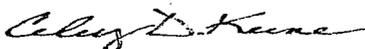
Surrogate: 1-Chlorooctane 109 % 55.5-154  
 Surrogate: 1-Chlorooctadecane 107 % 57.6-158

COPY

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Rice Operating Company  
 ZACH CONDER  
 112 W. Taylor  
 Hobbs NM, 88240  
 Fax To: (575) 397-1471

 Received: 03/20/2012  
 Reported: 03/22/2012  
 Project Name: EME J-29 EOL  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 03/20/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: 8 PT BLENDED BACKFILL (H200692-03)**

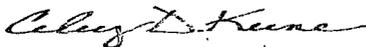
Chloride, SM4500Cl-B			mg/kg			Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>560</b>	16.0	03/22/2012	ND	384	96.0	400	8.00		
TPH 8015M			mg/kg			Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	03/22/2012	ND	177	88.5	200	3.05		
<b>DRO &gt;C10-C28</b>	<b>112</b>	50.0	03/22/2012	ND	166	82.9	200	2.14		
<i>Surrogate: 1-Chlorooctane</i>	<i>110 %</i>	<i>55.5-154</i>								
<i>Surrogate: 1-Chlorooctadecane</i>	<i>107 %</i>	<i>57.6-158</i>								

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

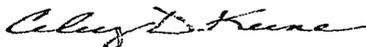
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Celey D. Keene, Lab Director/Quality Manager



**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

Company Name: <i>Rice Operating</i>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																							
Project Manager: <i>Zach Conder</i>		P.O. #:																									
Address: <i>1322 W Taylor</i>		Company:																									
City: <i>Hobbs</i> State: <i>NM</i> Zip: <i>88240</i>		Attn:																									
Phone #: Fax #:		Address:																									
Project #: Project Owner:		City:																									
Project Name:		State: Zip:																									
Project Location: <i>EME 5-29 EOL</i>		Phone #:																									
Sampler Name: <i>Osceola Frayde</i>		Fax #:																									
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING															
						GROUNDWATER		WASTEWATER		ACID/BASE		DATE		TIME													
						SOIL		OIL		ICE / COOL																	
						SLUDGE		OTHER		OTHER																	
<i>H2001892</i>		<i>5pt Bottom Comp</i>		<i>C</i>		<i>X</i>						<i>3-20-12</i>		<i>1:00</i>		<i>CL</i>											
<i>2</i>		<i>4 WALL Comp</i>		<i>C</i>		<i>X</i>						<i>3-20-12</i>		<i>1:25</i>		<i>TPH 86.15 M</i>											
<i>3</i>		<i>8pt Blended Backfill</i>		<i>C</i>		<i>X</i>						<i>3-20-12</i>		<i>1:50</i>													

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by the client for the samples. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the analytical services. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>[Signature]</i>	Date: <i>3/20/12</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <i>4:50</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <i>[Signature]</i>	Date:	Received By:	REMARKS: <i>Bruce, Hoch, Zach, Katie, Laura, Osceola</i>	
	Time:		<i>Email Everyone please!</i>	
Delivered By: (Circle One)	Sample Condition	CHECKED BY: <i>[Signature]</i>		
Sampler - UPS - Bus - Other:	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	(Initials)		
	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			

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

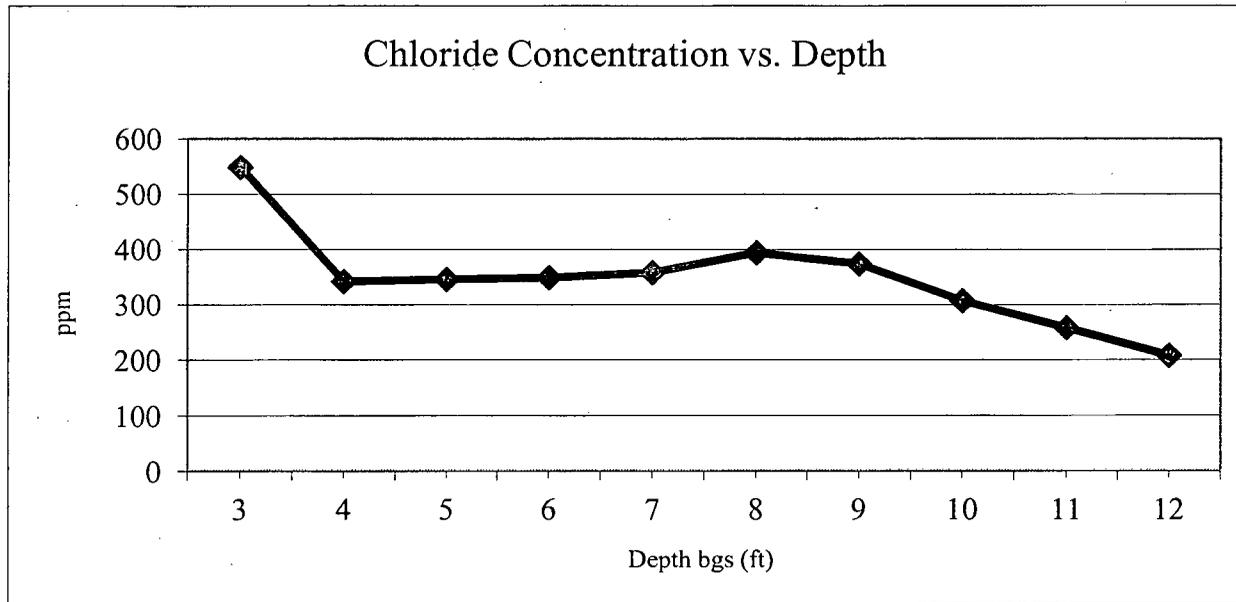


# EME J-29 EOL

Unit 'J', Sec. 29, T21S, R36E

*Backhoe samples at junction (source)*

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
3	549
4	342
5	346
6	349
7	358
8	394
9	374
10	307
11	258
12	208



Groundwater = 225 ft



PO Box 5630  
 Hobbs, NM 88241  
 Phone: (575) 393-4411  
 Fax: (575) 393-0293

## REVEGETATION FORM

### 1. General Information

Site name: EME J-29 EOL						
U/L J	Section 29	Township T-21-S	Range R-36-E	County Lea	Latitude N32°26'52.5"	Longitude W103°17'13.7"
Contact Name: Hack Conder						
Email: hconder@riceswd.com						
Site size: 400 square feet			Map detail of site attached <input type="checkbox"/>			
Additional information:						

### 2. Soils

*\*Do not rip caliche subsoils; caliche rocks brought to the surface by ripping shall be removed.*

Salvaged from site <input checked="" type="checkbox"/>	Bioremediated <input type="checkbox"/>	Imported <input type="checkbox"/>	Blended <input checked="" type="checkbox"/>	Depth (in):
Texture:		Describe soil & subsoil:		
Soil prep methods: Rip <input type="checkbox"/>	Depth(in):	Disc <input type="checkbox"/>	Depth (in):	Rollerpack <input type="checkbox"/>
Date completed: 3/20/2012				

### 3. Bioremediation

Fertilizer <input type="checkbox"/>	Hay <input type="checkbox"/>	Other <input type="checkbox"/>
Type:	Describe:	
Lbs/acre:		

### 4. Seeding

*\*Attach seed bag tags to this form. Seed bag tags shall contain the site name and S-T-R.*

Custom seed mix <input checked="" type="checkbox"/>	Prescribed mix <input type="checkbox"/>	Seed mix name: 1 lbs. Lea co. Mix/1 lbs. Side Oats/1 lbs. Winter Wheat	Seeding date: 2/22/2013
Broadcast <input checked="" type="checkbox"/>			
Method: Hand Broadcast			
Soil conditions during seeding: Dry <input checked="" type="checkbox"/> Damp <input type="checkbox"/> Wet <input type="checkbox"/>			
Photos attached <input type="checkbox"/>	Observations:		
Number of photos:	The Seed was Raked into the soil.		

### 5. Certification

I hereby certify that the information in this form and attachments is true and complete to the best of my knowledge and belief.

Name: Kyle Norman	Title: Environmental Tech	Date: 2/22/2013
Signature: <i>Kyle Norman</i>		

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