

1R - 427-363

**REPORTS**

**DATE:**

4-10-12

1R427-363  
RECEIVED OCD

2012 MAY -1 P 1:50

EME I-35 EOL  
2011

DISCLOSURE

**RICE OPERATING COMPANY  
JUNCTION BOX DISCLOSURE\* REPORT**

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Eunice Monument Eumont (EME)	I-35 EOL	I	35	19S	36E	Lea	Length	Width	Depth
							eliminated		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Climax Chemical Co. OTHER \_\_\_\_\_

Depth to Groundwater 46 feet NMOCD SITE ASSESSMENT RANKING SCORE: 40\*

Date Started 7/29/2011 Date Completed 9/29/2011 OCD Witness No

Soil Excavated 400.0 cubic yards Excavation Length 30 Width 30 Depth 12 feet

Soil Disposed None cubic yards Offsite Facility n/a Location n/a

**FINAL ANALYTICAL RESULTS:** Sample Date 8/24/2011 Sample Depth 12'

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	4.4	<10.0	10.8	1,550
BOTTOM COMP.	3.6	<10.0	25.3	1,200
BLENDED BACKFILL	2.2	<10.0	<10.0	960

**CHLORIDE FIELD TESTS**

LOCATION	DEPTH	mg/kg
4-wall comp.	N/A	982
bottom comp.	12'	954
blended backfill	N/A	691
background	6"	87
vertical delineation trench at 10' west of source	2'	915
	4'	3,009
	6'	1,614
	8'	1,026
	10'	1,596
	12'	1,345

**General Description of Remedial Action:** This junction and line were eliminated

during the pipeline replacement/upgrade program. After the former junction box

was removed, an investigation was conducted using a backhoe to collect soil samples

at regular intervals producing a 30x30x12-ft excavation. Chloride field tests performed

on each sample yielded elevated concentrations that did not relent with depth. Organic

vapors were measured using a PID which yielded low concentrations. 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. The blended

backfill was returned to the excavation to a depth of 5-ft BGS. On 9/28/2011, a 20-mil reinforced plastic liner was installed at 5 ft. BGS and the

excavation was backfilled with the remaining blended soil to ground surface and contoured to the surrounding area. On 9/29/2011, the site was

seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. NMOCD was notified of potential

groundwater impact on 2/15/2012.

\*Stock tank and windmill located 474 ft southeast

**ADDITIONAL EVALUATION IS HIGH PRIORITY**

enclosures: photos, lab results, PID (field) screenings, cross-section, chloride curve, revegetation form

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

SITE SUPERVISOR Oscar Frayre SIGNATURE

REPORT ASSEMBLED BY Laura Peña SIGNATURE

COMPANY RICE OPERATING COMPANY

PROJECT LEADER Zach Conder SIGNATURE

DATE 4-10-12

\*This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.

# EME I-35 EOL

Unit I, Section 35, T19S, R36E



Site prior to excavation, facing east 7.29.11



Excavating site, facing west 8.22.11



Collecting sample, facing east 8.24.11



Backfilling site, facing north 9.27.11



Installing liner, facing northwest 9.28.11



Seeding site, facing east 9.29.11



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

August 29, 2011

Hack Conder

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: EME I-35 EOL

Enclosed are the results of analyses for samples received by the laboratory on 08/24/11 16:15.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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,

A handwritten signature in cursive script that reads 'Celey D. Keene'.

Celey D. Keene

Lab Director/Quality Manager

COPY

**Analytical Results For:**

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

 Received: 08/24/2011  
 Reported: 08/29/2011  
 Project Name: EME I-35 EOL  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 08/24/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: 5 PT. BTM COMP (H101795-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	08/25/2011	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/27/2011	ND	202	101	200	0.963	
DRO >C10-C28	25.3	10.0	08/27/2011	ND	173	86.4	200	1.30	
Surrogate: 1-Chlorooctane		87.3 %	55.5-154						
Surrogate: 1-Chlorooctadecane		93.9 %	57.6-158						

**Sample ID: BLENDED BACKFILL (H101795-02)**

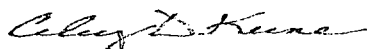
Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	08/25/2011	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/27/2011	ND	202	101	200	0.963	
DRO >C10-C28	<10.0	10.0	08/27/2011	ND	173	86.4	200	1.30	
Surrogate: 1-Chlorooctane		88.0 %	55.5-154						
Surrogate: 1-Chlorooctadecane		95.8 %	57.6-158						

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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 08/24/2011  
 Reported: 08/29/2011  
 Project Name: EME I-35 EOL  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 08/24/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: 4 WALL COMP (H101795-03)**

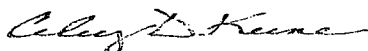
Chloride, SM4500Cl-B			mg/kg							Analyzed By: HM
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>1550</b>	16.0	08/25/2011	ND	432	108	400	0.00		
TPH 8015M			mg/kg							Analyzed By: ab
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/27/2011	ND	202	101	200	0.963		
<b>DRO &gt;C10-C28</b>	<b>10.8</b>	10.0	08/27/2011	ND	173	86.4	200	1.30		
<hr/>										
Surrogate: 1-Chlorooctane	89.7 %	55.5-154								
Surrogate: 1-Chlorooctadecane	97.9 %	57.6-158								

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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

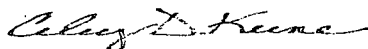
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Celey D. Keene, Lab Director/Quality Manager

# Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(505) 393-2326 FAX (505) 393-2476

[illegible]

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 analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 33 days after completion of the applicable service. 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 in any of the above stated reasons or otherwise.

Relinquished By: <u>Edith Brown</u>		Date: <u>8/24/11</u>	Received By: <u>Wade Benson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: <u>4:13</u>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS: <u>Bray's inc.</u> <u>5000 1st St.</u> <u>Laurel, MD 20646</u> <u>1 Ppt</u>	
Time:					
Delivered By: (Circle One)			Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other: <u>50</u>			Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) <u>GB</u>	

## RICE ENVIRONMENTAL CONSULTING &amp; SAFETY

122 West Taylor Hobbs, NM 88240  
PHONE: (505) 393-9174 FAX: (505) 397-1471  
PID METER CALIBRATION & FIELD REPORT FORM

X

MODEL: PGM 7300	SERIAL NO: 590-000508
MODEL: PGM 7300	SERIAL NO: 590-000504
MODEL: PGM 7320	SERIAL NO: 592-903318
MODEL: PGM 7300	SERIAL NO: 590-000183
MODEL: PGM 7300	SERIAL NO: 590-001413

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO :245-100-1	EXPIRATION DATE: 7-1-2011
METER READING ACCURACY: 100 PPM,	

ACCURACY : +/- 2%

COMPANY

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	I-35 EOL	I	35	19S	36E

[illegible]

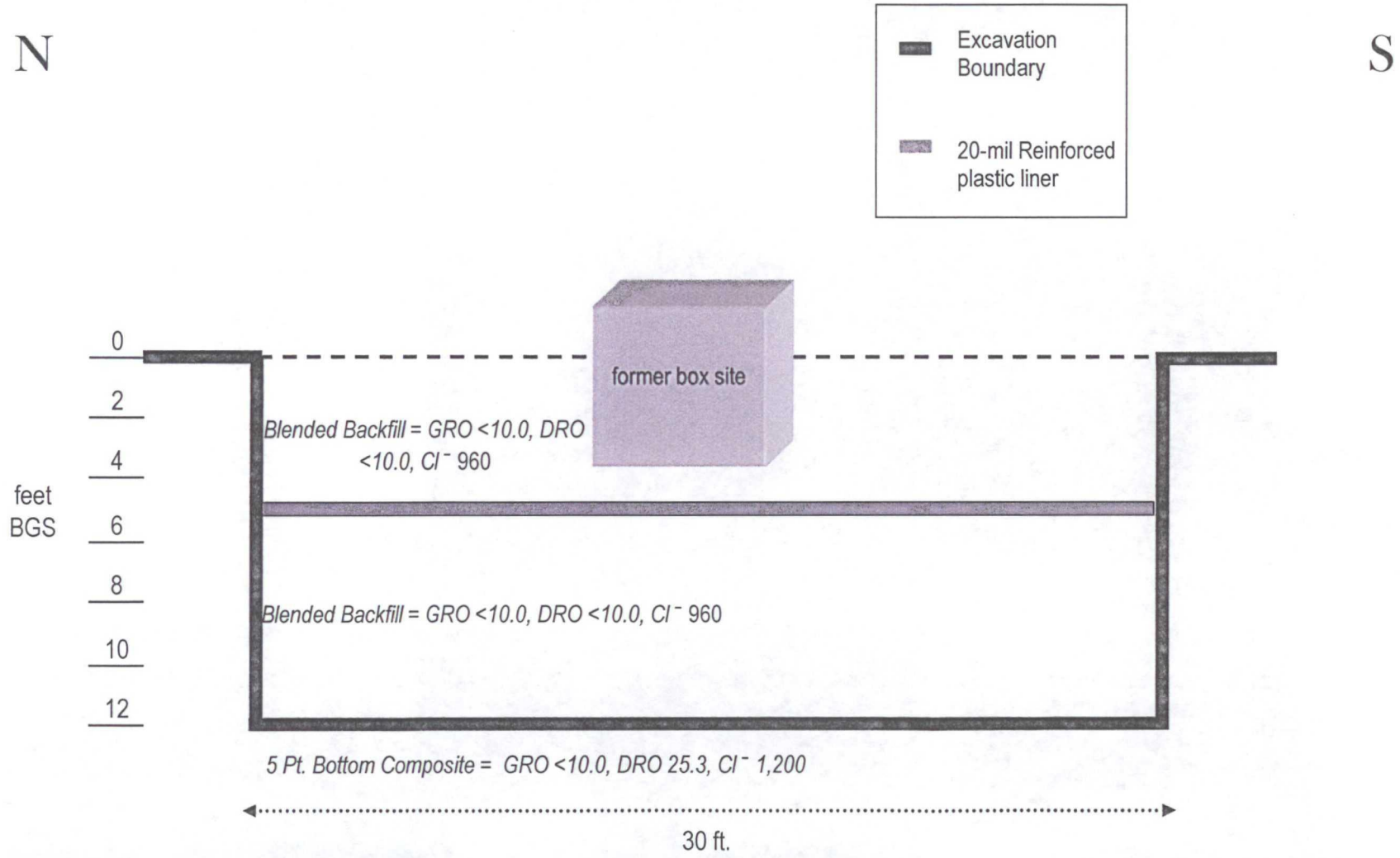
I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

SIGNATURE:

DATE: 8/24/2011

EME I-35 EOL  
Unit 'I', Sec. 35, T19S, R36E

Excavation Cross-Section



## CHLORIDE CONCENTRATION CURVE

RICE Operating Company

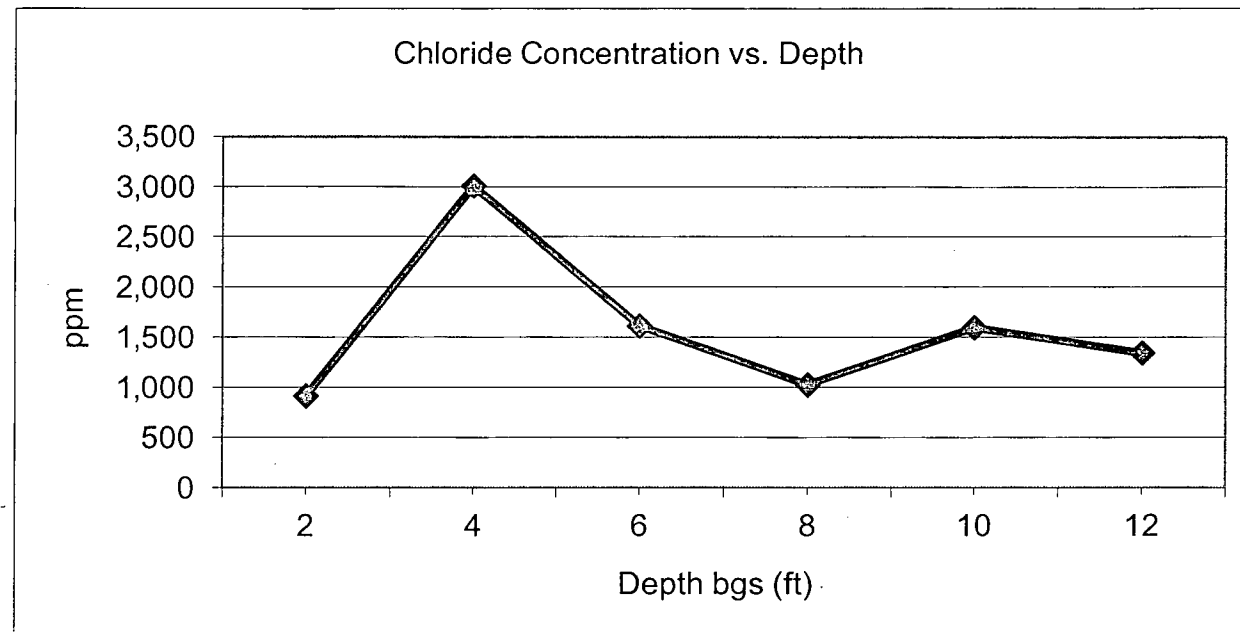
### EME I-35 EOL

Unit 'I', Sec. 35, T19S, R36E

Backhoe samples at 10 ft West of the junction (source)

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
2	915
4	3,009
6	1,614
8	1,026
10	1,596
12	1,345

Groundwater = 46 ft





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

## REVEGETATION FORM

### 1. General Information

Site name: EME I-35 EO1						
U/L I	Section 35	Township T19S	Range R36E	County Lea	Latitude 32° 36.762'	Longitude 103° 19.069'
Contact Name: Bruce Baker						
Email: bbaker@rice-ecs.com						
Site size:		square feet:	Map detail of site attached <input checked="" 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: 9/29/2011					

### 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: 12 lbs. blue grama and side oats mix	Seeding date: 9/29/2011
Broadcast <input checked="" type="checkbox"/> 12 lbs of blue grama and side oats mix.			
Method: broadcast spreader			
Soil conditions during seeding: Dry <input checked="" type="checkbox"/> Damp <input type="checkbox"/> Wet <input type="checkbox"/>			
Photos attached <input checked="" type="checkbox"/>	Observations:		
Number of photos: 2			

### 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: Oscar Frayre	Title: Environmental Tech	Date: 9/29/2011
Signature:		

COPY