

1R - 427-362

REPORTS

DATE:

4-17-12

1R427-362

RECEIVED OCD

2012 MAY -1 P 1:50

EME C-5 EOL

2011

DISCLOSURE

EME C-5 EOL

Unit C, Section 5, T21S, R36E



Excavating the former junction box, facing east
10.21.11



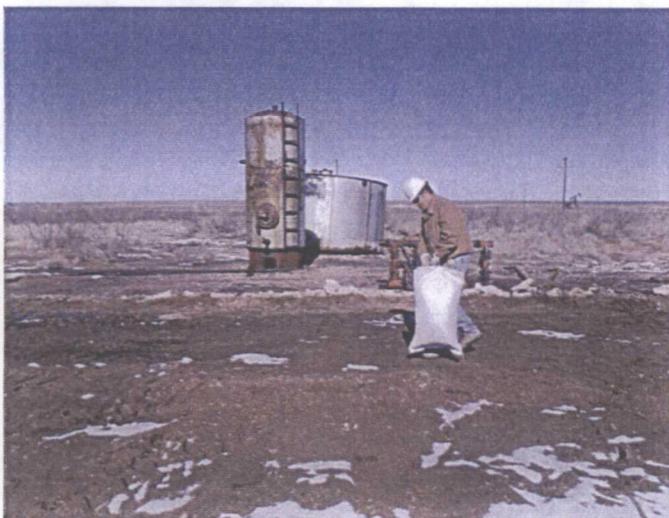
Collecting a soil sample, facing south
11.3.11



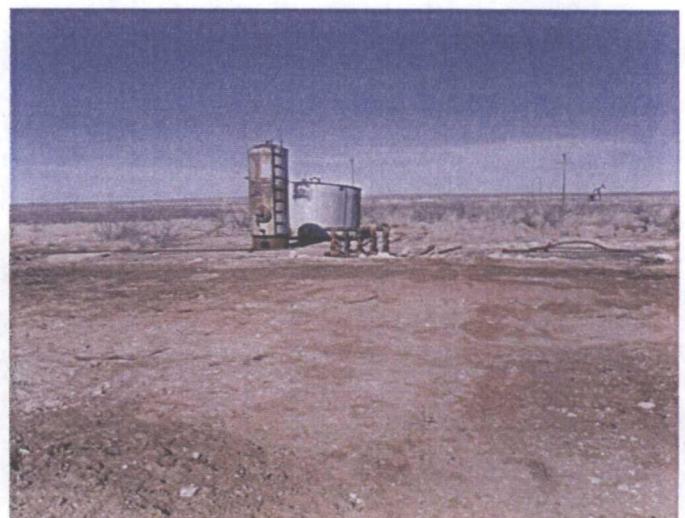
Backfilling excavation, facing north
12.16.11



Exporting spoil pile, facing south
12.21.11



Seeding site, facing north
12.28.11



Site complete, facing north
12.30.11

December 02, 2011

Bruce Baker
Rice Operating Company
112 W. Taylor
Hobbs, NM 88240

RE: EME C-5 EOL

Enclosed are the results of analyses for samples received by the laboratory on 11/23/11 14:23.

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.

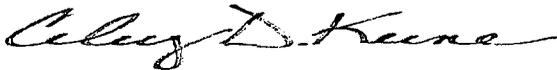
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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,



Celey D. Keene
Lab Director/Quality Manager

COPY

Analytical Results For:

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

 Received: 11/23/2011
 Reported: 12/02/2011
 Project Name: EME C-5 EOL
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 11/23/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 4-WALL COMP (H102549-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	11/28/2011	ND	448	112	400	3.64		
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	12/01/2011	ND	170	85.1	200	1.77		
DRO >C10-C28	50.7	10.0	12/01/2011	ND	176	87.8	200	0.0911		

Surrogate: 1-Chlorooctane 123 % 55.5-154

Surrogate: 1-Chlorooctadecane 109 % 57.6-158

Sample ID: 5 PT. BOTTOM COMP (H102549-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	11/29/2011	ND	448	112	400	3.64		
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	12/01/2011	ND	170	85.1	200	1.77		
DRO >C10-C28	73.7	10.0	12/01/2011	ND	176	87.8	200	0.0911		

Surrogate: 1-Chlorooctane 113 % 55.5-154

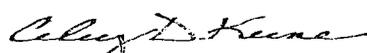
Surrogate: 1-Chlorooctadecane 99.0 % 57.6-158

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	11/23/2011	Sampling Date:	11/23/2011
Reported:	12/02/2011	Sampling Type:	Soil
Project Name:	EME C-5 EOL	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: BLENDED BACKFILL (H102549-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	11/29/2011	ND	448	112	400	3.64		

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	12/01/2011	ND	170	85.1	200	1.77		
DRO >C10-C28	31.5	10.0	12/01/2011	ND	176	87.8	200	0.0911		

Surrogate: 1-Chlorooctane 124 % 55.5-154

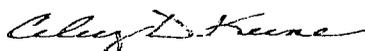
Surrogate: 1-Chlorooctadecane 105 % 57.6-158

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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

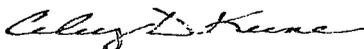
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on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

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* = Accredited Analyte

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 client for 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 thirty (30) 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

RICE ENVIRONMENTAL CONSULTING & SAFETY

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

CK.	X	MODEL: PGM 7300	SERIAL NO: 590-001413
MODEL		MODEL: PGM 7300	SERIAL NO: 590-000504
NO.		MODEL: PGM 7320	SERIAL NO: 592-903318
		MODEL: PGM 7300	SERIAL NO: 590-000183

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO :HAL-248-100-1	EXPIRATION DATE:7-1-2015
METER READING ACCURACY:100	

ACCURACY : +/- 2%

COMPANY
RICE

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	C-5 EOL	C	5	21S	36E

SAMPLE ID	PID	SAMPLE ID	PID
4-WALL	9.7		
SPT. BOTTOM	6.7		
BLENDED BACKFILL	7.4		

COPY

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

SIGNATURE: *Robert Jones*

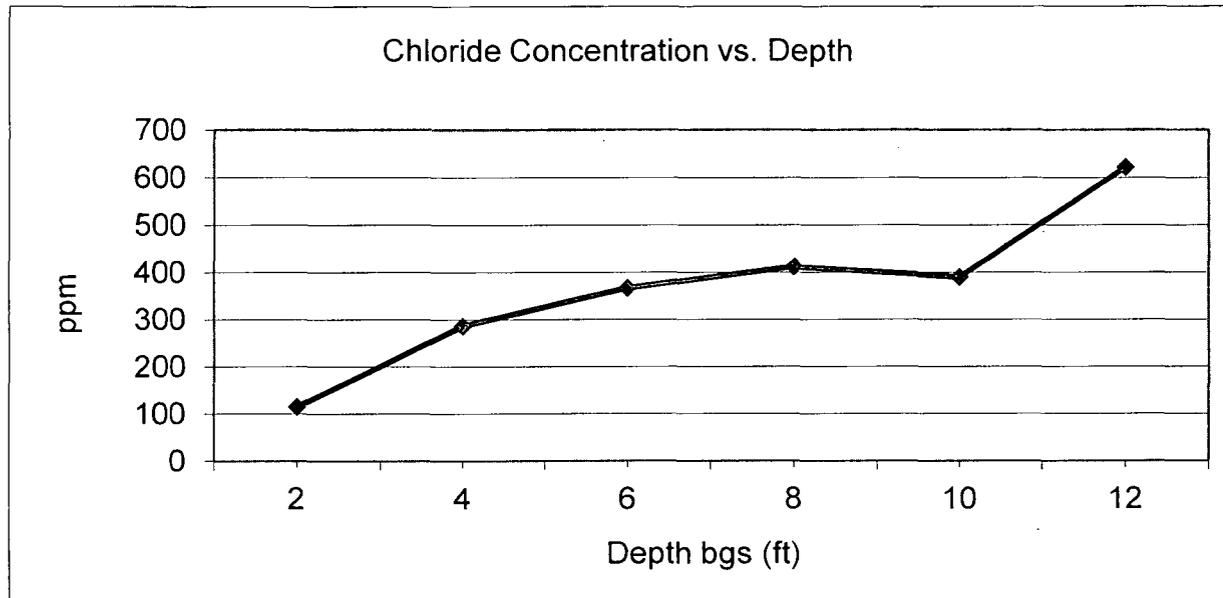
DATE: 11-23-2011

EME C-5 EOL

Unit 'C', Sec. 5, T21S, R36E

Backhoe samples at 15 ft East of the junction (source)

Depth bgs. (ft)	[Cl ⁻] ppm
2	115
4	286
6	367
8	412
10	390
12	622



Groundwater = 162 ft



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

REVEGETATION FORM

1. General Information

Site name: EME C-5 EOL						
U/L C	Section 5	Township T21S	Range R36E	County Lea	Latitude 32° 31.154'	Longitude 103° 17.476'
Contact Name: Hack Conder						
Email: hconder@riceswd.com						
Site size: 20X15		square feet: 300		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 type="checkbox"/>	Bioremediated <input type="checkbox"/>	Imported <input type="checkbox"/>	Blended <input checked="" type="checkbox"/>	Depth (in):
Texture: Caliche Mix		Describe soil & subsoil: Fine		
Soil prep methods: Rip <input type="checkbox"/>	Depth(in):	Disc <input type="checkbox"/>	Depth (in):	Rollerpack <input type="checkbox"/>
Date completed: 12/21/2011				

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: 2.5 lbs. Blue Grama	Seeding date: 12/28/2011
Broadcast <input checked="" type="checkbox"/>			
Method: Hand broadcast			
Soil conditions during seeding: Dry <input type="checkbox"/> Damp <input type="checkbox"/> Wet <input checked="" type="checkbox"/>			
Photos attached <input type="checkbox"/>	Observations:		
Number of photos:			

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: Dyllan Yarbrough	Title: Environmental Tech	Date: 12/28/2011
Signature:		

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