

1R - 427-407

## REPORTS

DATE:

3-13-13

1/R427-407

1/R 2012

On Completion of work  
on this project, please  
return to the office

EME Jct. F-32

2012

DISCLOSURE

# RECEIVED

## RICE OPERATING COMPANY JUNCTION BOX DISCLOSURE\* REPORT

APR 2 2013

BOX LOCATION							Oil Conservation Division		
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Eunice Monument Eumont (EME)	Jct. F-32	F	32	19S	37E	Lea	Length 6.5	Width 6.5	Depth 2
							Eliminated		

LAND TYPE: BLM STATE FEE LANDOWNER William Edwin Johnston OTHER

Depth to Groundwater 27 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 10/16/2012 Date Completed 11/13/2012 OCD Witness No

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

Soil Disposed 584 cubic yards Offsite Facility Sundance Services, Inc. Location Eunice, NM

**FINAL ANALYTICAL RESULTS:** Sample Date 10/31/2012, 11/7/2012, 11/14/2012 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
5 PT. COMP.	3.4	<50	<50	896
4 WALL COMP.	8.9	<50	<50	2040
BLENDED BACKFILL	0.0	<50	121	656
TOP SOIL	0	<10.0	<10.0	<16.0

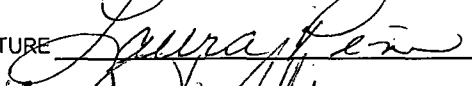
CHLORIDE FIELD TESTS		
LOCATION	DEPTH	mg/kg
background	6"	139
4-WALL Comp	n/a	746
Bottom Comp	12'	563
Blended Backfill	n/a	140
Vertical delineation trench at the former junction (source)	3'	237
	4'	305
	5'	165
	6'	332
	7'	621
	8'	564
	9'	658
	10'	526
	11'	711
	12'	530


**General Description of Remedial Action:** This junction box was 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 deep excavation. Chloride field tests performed on soil samples did not decrease 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, blended backfill and top soil were sent to a commercial laboratory for analysis of chloride and TPH. A total of 584 yards of blended backfill was transported to a NMOCD approved disposal facility. On 11/9/2012, a 30x30 ft. 20 mil reinforced liner was installed at 6 ft. below ground surface (BGS). On 11/13/2012, the excavation was backfilled with clean imported soil to ground surface and contoured to the surrounding area. On 11/13/2012 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 3/4/2013.

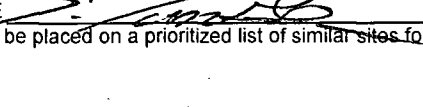
### Additional Evaluation is HIGH Priority

Enclosures: site location map, photos, laboratory analysis, PID (field) screenings, cross-section diagram, chloride graph, revegetation form

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

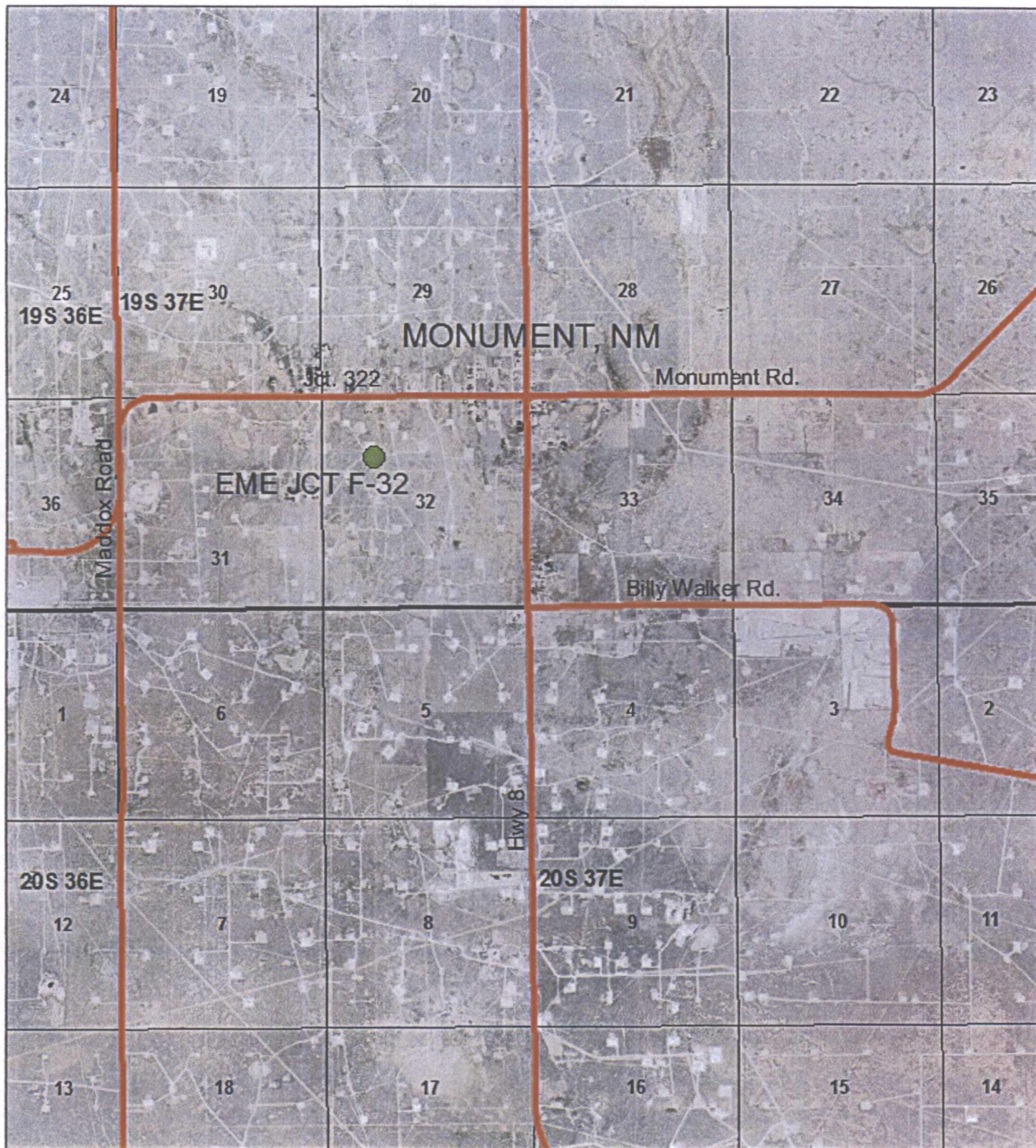
REPORT ASSEMBLED BY Laura Peña SIGNATURE  COMPANY Rice Operating

SITE SUPERVISOR Dyllan Yarborough SIGNATURE  COMPANY Rice Environmental Consulting & Safety

PROJECT LEADER Zach Conder SIGNATURE  DATE 3-13-13

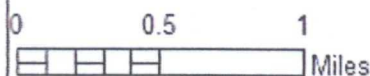
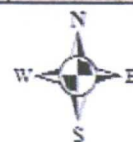
\*This site is a "DISCLOSURE" It will be placed on a prioritized list of similar sites for further consideration.





## EME JCT F-32

UL F SECTION 32  
T-19-S R-37-E  
LEA COUNTY, NM



Drawing date: 1/17/13  
Drafted by: Tony Grieco



## EME Jct. F-32

UL/F, Section 32 (T19S, R37E)



Site prior, facing south

10/16/2012



Excavating site, facing north

10/16/2012



Exporting soil, facing northwest

10/31/2012



Seeding site, facing south

11/13/2012



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

November 05, 2012

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

RE: EME F-32 JCT

Enclosed are the results of analyses for samples received by the laboratory on 10/31/12 16:03.

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/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

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: 10/31/2012  
 Reported: 11/05/2012  
 Project Name: EME F-32 JCT  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 10/31/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: 5 PT. COMP (H202654-01)**

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AP
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	11/01/2012	ND	432	108	400	3.77		
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	11/02/2012	ND	179	89.7	200	5.10		
DRO >C10-C28	<50.0	50.0	11/02/2012	ND	170	85.1	200	15.4		
Surrogate: 1-Chlorooctane	82.0 %	65.2-140								
Surrogate: 1-Chlorooctadecane	86.9 %	63.6-154								

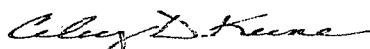
**Sample ID: 4 WALL COMP (H202654-02)**

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AP
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2040	16.0	11/01/2012	ND	432	108	400	3.77		
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	11/02/2012	ND	179	89.7	200	5.10		
DRO >C10-C28	<50.0	50.0	11/02/2012	ND	170	85.1	200	15.4		
Surrogate: 1-Chlorooctane	82.8 %	65.2-140								
Surrogate: 1-Chlorooctadecane	90.6 %	63.6-154								

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

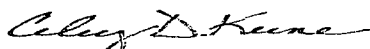
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received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

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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: <b>RECS</b>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>														
Project Manager:				P.O. #:																		
Address:				Company:																		
City: State: Zip:				Attn:																		
Phone #: Fax #:				Address:																		
Project #: Project Owner:				City:																		
Project Name:				State: Zip:																		
Project Location: <b>ENE F-32 JCT</b>				Phone #:																		
Sampler Name:				Fax #:																		
FOR LAB USE ONLY				MATRIX		PRESERV		SAMPLING														
Lab I.D.	Sample I.D.	(GIRAB OR (C)OMP.	# CONTAINERS:	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE:	ICE / COOL	OTHER	DATE	TIME								
<b>H2021134</b>																						
	<b>5 PE Composite</b>												<b>10/31/12</b>	<b>3:40</b>								
	<b>2-4 wall Composite</b>												<b>10/31/12</b>	<b>3:45</b>								

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based on 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 asserted within 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 services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: <b>10/31/12</b>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: <b>4:03</b>	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)	REMARKS: <b>Hack Corder</b> <b>Lara IV</b> <b>Zack Corder</b> <b>Laura Pena</b> <b>Bruce Baker</b> <b>Amy Ruth</b>	
Sampler - UPS - Bus - Other:	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No			

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

November 14, 2012

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

RE: EME F-32 JCT

Enclosed are the results of analyses for samples received by the laboratory on 11/07/12 11:46.

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).

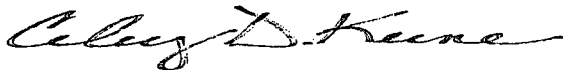
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Method EPA 524.2	Total Trihalomethanes (TTHM)
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This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 11/07/2012  
Reported: 11/14/2012  
Project Name: EME F-32 JCT  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/07/2012  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: BLENDED BACKFILL (H202712-01)**

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	11/09/2012	ND	432	108	400	0.00	

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	11/13/2012	ND	197	98.7	200	2.81	
DRO >C10-C28	121	50.0	11/13/2012	ND	205	102	200	5.59	

Surrogate: 1-Chlorooctane 82.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.3 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



**Notes and Definitions**

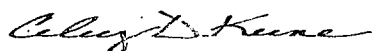
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported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

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\*=Accredited Analyte

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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

Page 4 of 4

Company Name: <b>RCE</b>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																							
Project Manager:		P.O. #:																									
Address:		Company:																									
City: State: Zip:		Attn:																									
Phone #: Fax #:		Address:																									
Project #: Project Owner:		City:																									
Project Name:		State: Zip:																									
Project Location: <b>EME F-32 JCT</b>		Phone #:																									
Sampler Name:		Fax #:																									
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(C) (Q) (R) (B) OR (C) (OMP)	# CONTAINERS	MATRIX				PRESERV.		SAMPLING		<b>CL-TPH 8015*</b>														
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL													OTHER:	DATE	TIME
	<b>H2D2712</b>	<b>Blended Backfill</b>	<b>C</b>	<b>1</b>			<b>1</b>					<b>1</b>														<b>11/7/12</b>	<b>11:46</b>

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Relinquished By:	Date: <b>11/7/12</b>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <b>11:46</b>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: <b>Hack Cander</b> <b>Lara W</b>	
	Time:		<b>Zach Cander</b> <b>Amy Ruth</b>	
Delivered By: (Circle One)		Sample Condition	<b>Bruce Baker</b> <b>Laura Pena</b>	
Sampler - UPS - Bus - Other:		Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>*TPH added by Laura</b>	
		Checked By:	<b>11/13/12</b>	

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

#26



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

---

November 16, 2012

Hack Conder  
Rice Operating Company  
112 W. Taylor  
Hobbs, NM 88240

RE: EME F-32 JCT

Enclosed are the results of analyses for samples received by the laboratory on 11/14/12 16:05.

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Sincerely,

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: 11/14/2012  
Reported: 11/16/2012  
Project Name: EME F-32 JCT  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/13/2012  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson


**Sample ID: TOP SOIL (H202762-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2012	ND	416	104	400	3.92	
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	11/15/2012	ND	187	93.7	200	1.91	
DRO >C10-C28	<10.0	10.0	11/15/2012	ND	205	103	200	2.87	
Surrogate: 1-Chlorooctane		80.7 %	65.2-140						
Surrogate: 1-Chlorooctadecane		85.6 %	63.6-154						

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

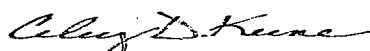
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\*=Accredited Analyte

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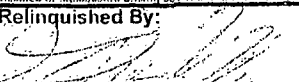


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Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <b>PRICE</b>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																				
Project Manager:		P.O. #:																						
Address:		Company:																						
City:	State:	Zip:	Attn:																					
Phone #:	Fax #:	Address:																						
Project #:	Project Owner:		City:																					
Project Name:			State:													Zip:								
Project Location: <b>Eme F-32 JCI</b>		Phone #:																						
Sampler Name:		Fax #:																						
FOR LAB USE ONLY																								
Lab I.D.	Sample I.D.	G (GRAB OR C) (OMP.	# CONTAINERS													MATRIX					PRESERV.		SAMPLING	
																GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:
<b>H202762</b>	<b>Top Soil</b>	<b>G</b>	<b>1</b>																					
<small>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 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 subdivision, 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.</small>																								
Relinquished By: 		Date: <b>11/14/12</b>		Received By: 		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:																
		Time: <b>4:05</b>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:																
Relinquished By:		Date:		Received By:		REMARKS:																		
		Time:																						
Delivered By: (Circle One)				Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials) 																		
Sampler - UPS - Bus - Other:																								



# 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.	
MODEL	
NO.	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

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

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

ACCURACY : +/- 2%

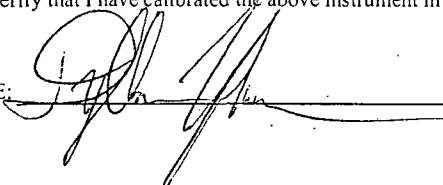
<b>COMPANY</b>
RICE OPERATING

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	Jct. F-32	F	32	19S	37E

SAMPLE ID	PID	SAMPLE ID	PID
Background @ 6"	1.2		
Source @ 3'	16.4		
Source @ 4'	11.5		
Source @ 5'	33.8		
Source @ 6'	38.7		
Source @ 7'	41.4		
Source @ 8'	41.5		
Source @ 9'	39.2		
Source @ 10'	43.6		
Source @ 11'	40.4		
Source @ 12'	45.5		

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

SIGNATURE:



DATE: 10/16/2012

# 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.		MODEL: PGM 7300	SERIAL NO: 590-000508
MODEL		MODEL: PGM 7300	SERIAL NO: 590-000504
NO.	X	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%

<b>COMPANY</b>
RICE OPERATING

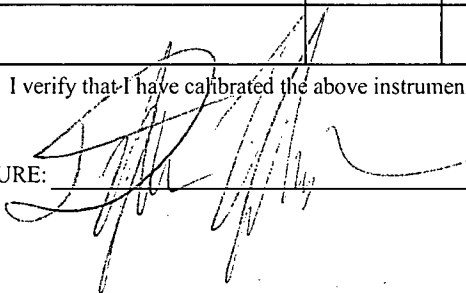
SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	Jct. F-32	F	32	T19S	R37E

SAMPLE ID	PID	SAMPLE ID	PID
4-WALL COMPOSITE	8.9		
BOTTOM COMPOSITE	3.4		

COPY

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

SIGNATURE:



DATE: 10/24/2012

## 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

CK.		MODEL: PGM 7300	SERIAL NO: 590-000508
MODEL		MODEL: PGM 7300	SERIAL NO: 590-000504
NO.	<b>X</b>	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%

<b>COMPANY</b>
RICE OPERATING

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	Jct. F-32	F	32	T19S	R37E

[illegible]

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

SIGNATURE:

DATE: 11/9/2012

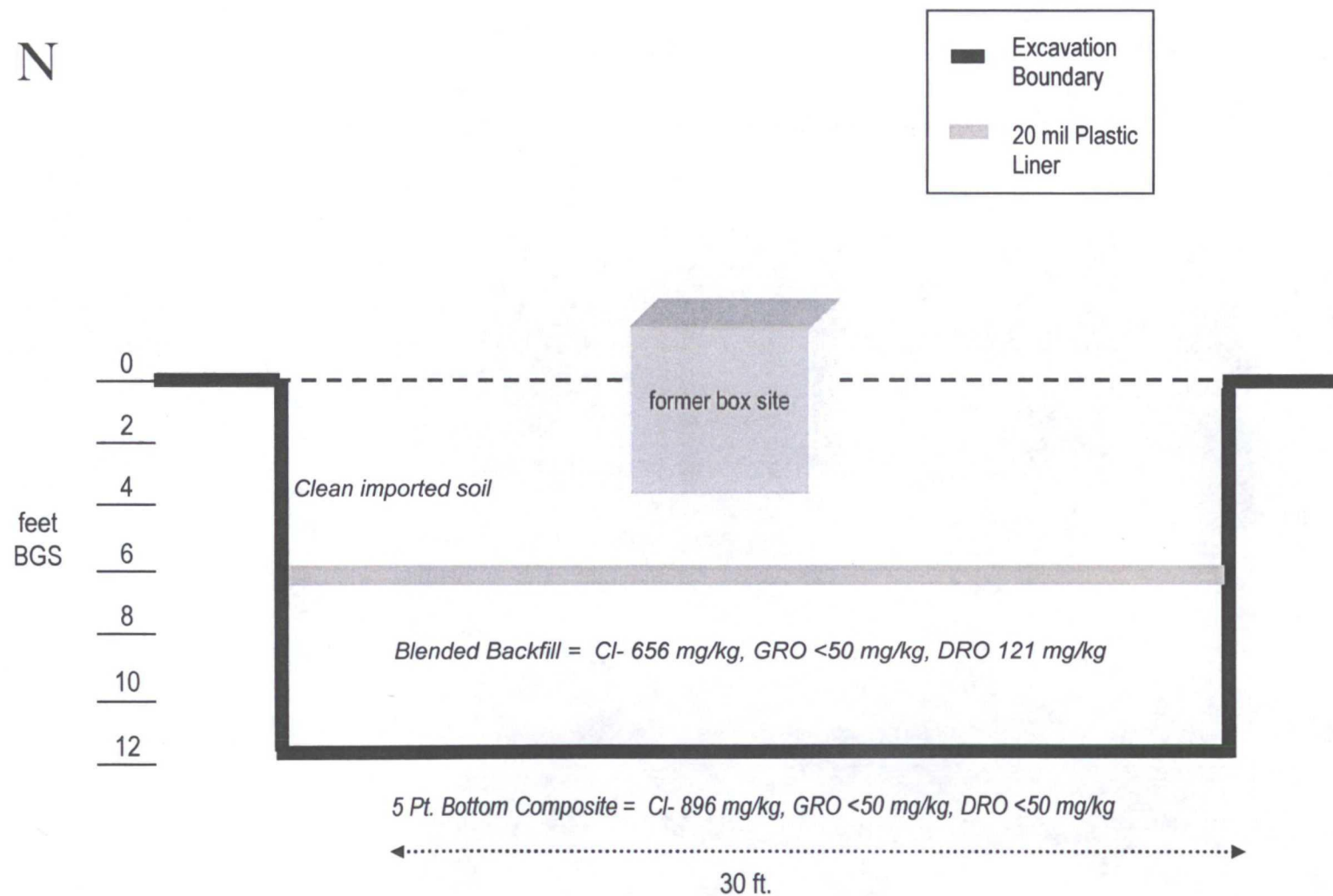


EME Jct. F-32  
Unit 'F', Sec. 32, T19S, R37E

## Excavation Cross-Section

N

S



## CHLORIDE CONCENTRATION CURVE

RICE Operating Company

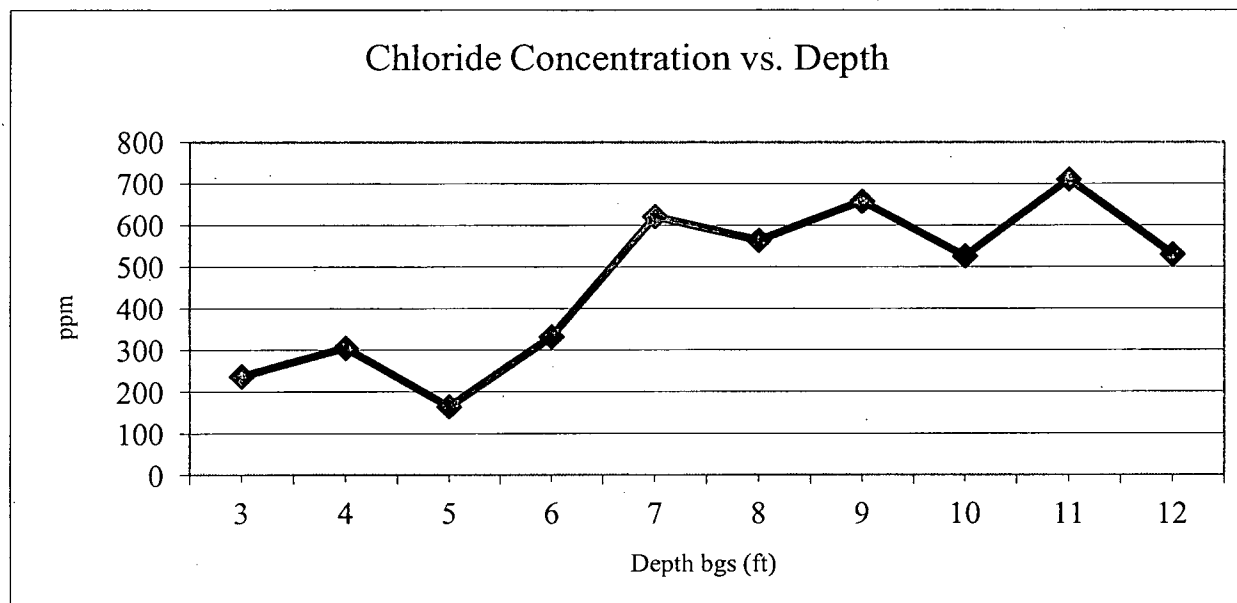
### EME Jct. F-32

Unit 'F', Sec. 32, T19S, R37E

*Backhoe samples at junction (source)*

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
3	237
4	305
5	165
6	332
7	621
8	564
9	658
10	526
11	711
12	530

Groundwater = 27 ft.





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

## REVEGETATION FORM

### 1. General Information

Site name: EME Jct. F-32						
U/L F	Section 32	Township 19S	Range 37E	County Lea	Latitude N 32°37'10.73"	Longitude W 103°16'25.45"
Contact Name: ZACHARY CONDER						
Email: zconder@rice-ecs.com						
Site size: 162x42 Square feet: 22,852				Map detail of site attached <input type="checkbox"/>		
Additional information:						

### 2. Soils

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

Salvaged from site <input type="checkbox"/>	Bioremediated <input type="checkbox"/>	Imported <input checked="" type="checkbox"/>	Blended <input type="checkbox"/>	Depth (in):	
Texture:		Describe soil & subsoil:			
Soil prep methods:	Rip <input type="checkbox"/>	Depth(in):	Disc <input type="checkbox"/>	Depth (in):	Roller pack <input type="checkbox"/>
Date completed: 11/13/2012					

### 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: Side Oats and Black Grama
Seeding date: 11/13/2012		
Broadcast <input checked="" type="checkbox"/>		
Method: Mechanical Hand Seeder		
Soil conditions during seeding: Dry <input checked="" type="checkbox"/> Damp <input type="checkbox"/> Wet <input type="checkbox"/>		
Photos attached <input type="checkbox"/>	Observations: 25 lbs Side Oats and Black Grama	
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: 11/13/2012
Signature:		

COPY