

1R - 427-408

REPORTS

DATE:

3-13-13

1R427-408

RECEIVED

APR 2 2012

Division of Environmental Protection

EME Jct. J-4

2012

DISCLOSURE

RECEIVED

RICE OPERATING COMPANY JUNCTION BOX DISCLOSURE* REPORT

APR 2 2013

Oil Conservation Division

BOX LOCATION							BOX DIMENSIONS - FEET		
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	Length	Width	Depth
Eunice Monument Eumont (EME)	Jct. J-4	J	4	20S	37E	Lea			Eliminated

LAND TYPE: BLM STATE FEE LANDOWNER Martha Laughlin Williams OTHER

Depth to Groundwater 33 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 9/17/2012 Date Completed 10/15/2012 OCD Witness no

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

Soil Disposed 552 cubic yards Offsite Facility Sundance Services Location Eunice, NM

FINAL ANALYTICAL RESULTS: Sample Date 9/27/2012 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
BOTTOM 5PT COMP	2.6	<10	<10	864
NORTH WALL	24.1	<10	<10	688
SOUTH WALL	0.0	<50	525	976
EAST WALL	0.0	<10	<10	944
WEST WALL	0.0	<10	74.9	912
8 PT. COMP TOP SOIL	0.0	n/a	n/a	80
8 PT. COMP CALICHE	0.0	n/a	n/a	704
BLENDED BACKFILL	5.4	n/a	n/a	n/a

CHLORIDE FIELD TESTS		
LOCATION	DEPTH	mg/kg
Background	6"	86
Bottom Comp	n/a	672
North wall	n/a	770
South wall	n/a	824
East wall	n/a	720
West wall	n/a	718
Blended backfill	n/a	475
Vertical delineation trench at 10' N of the former junction (source)	2'	1442
	4'	845
	6'	771
	8'	848
	10'	985
	12'	903

General Description of Remedial Action: This junction box and line 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 30 x 30 x 12 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 walls, the excavation bottom, and the backfill were sent to a commercial laboratory for analysis of chloride and TPH. A total of 552 yards of blended backfill was transported to a NMOCD facility. On 10/12/2012, a 30x30 ft, 20-mil reinforced liner was installed at 6 ft. below ground surface (BGS). The excavation was backfilled with clean imported soil to ground surface and contoured to the surrounding area. On 10/24/2012, 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.

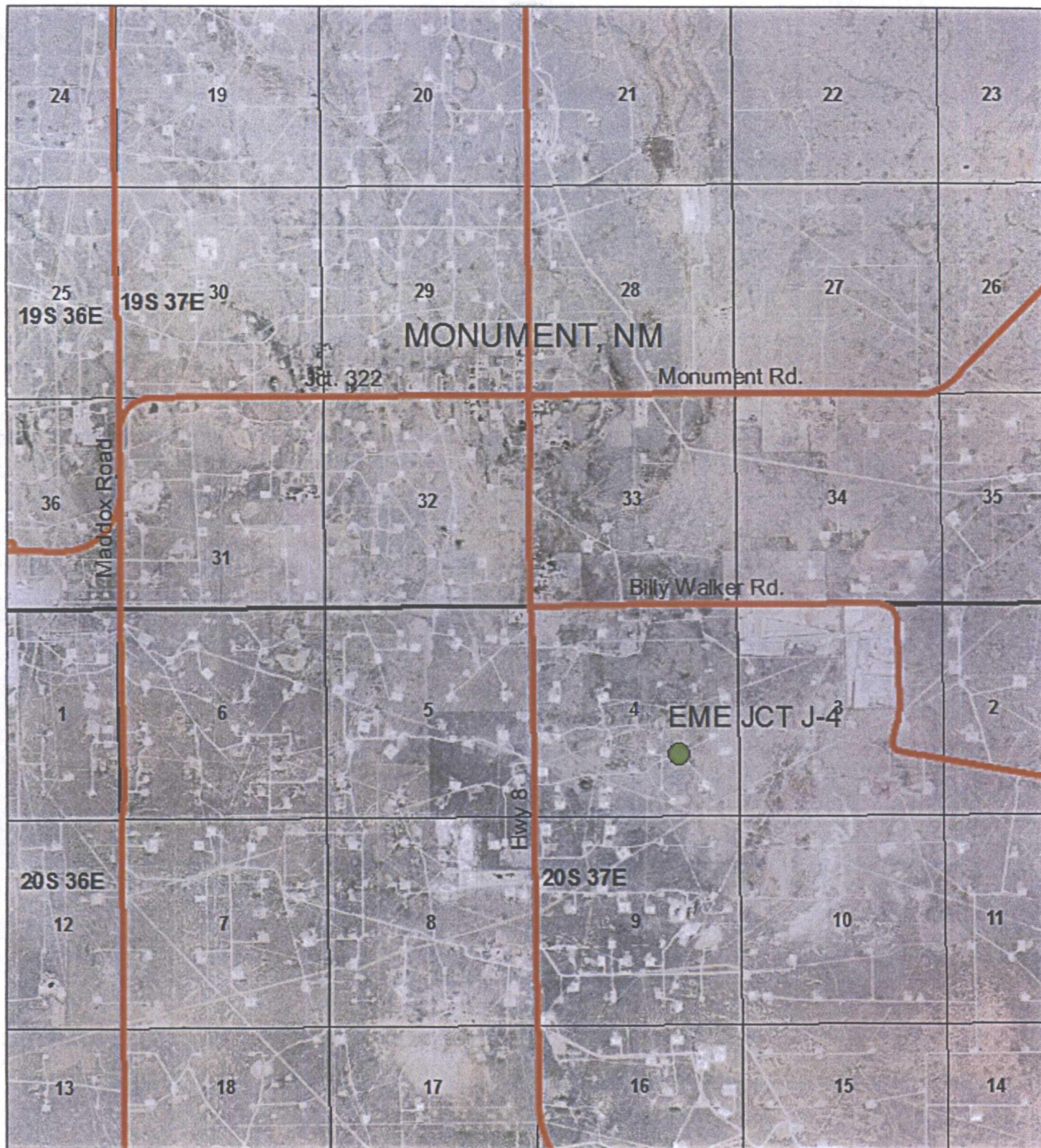
Additional Evaluation is HIGH Priority

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

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

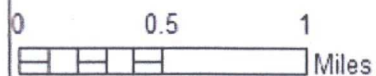
REPORT ASSEMBLED BY Laura Peña SIGNATURE *Laura Peña* COMPANY Rice Operating
SITE SUPERVISOR Dyllan Yarborough SIGNATURE *Dyllan Yarborough* COMPANY Rice Environmental Consulting & Safety
PROJECT LEADER Zach Conder SIGNATURE *Zach Conder* DATE 3-12-13

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



EME JCT J-4

UL J SECTION 4
T-20-S R-37-E
LEA COUNTY, NM



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

EME Jct. J-4
UL/J, Section 4, T20S,R37E



Excavating site, facing south 9/24/2012



Collecting sample, facing north 9/27/2012



Exporting soil, facing east 10/3/2012



Installing 30'x30' 20 mil plastic liner @ 6' bgs
10/12/2012



Backfilling with imported soil 10/12/2012



Seeding site, facing south 10/24/2012



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

October 04, 2012

BRUCE BAKER

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

112 W. TAYLOR

HOBBS, NM 88240

RE: EME J-4 JCT

Enclosed are the results of analyses for samples received by the laboratory on 10/01/12 7:40.

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.

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

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 BRUCE BAKER
 112 W. TAYLOR
 HOBBS NM, 88240
 Fax To: (575) 397-1471

 Received: 10/01/2012
 Reported: 10/04/2012
 Project Name: EME J-4 JCT
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 09/27/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: NORTH WALL (H202383-01)

Chloride, SM4500CI-B			mg/kg							Analyzed By: HM
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	10/03/2012	ND	384	96.0	400	4.08		
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	10/03/2012	ND	188	94.2	200	4.31		
DRO >C10-C28	<10.0	10.0	10/03/2012	ND	190	95.0	200	5.79		
Surrogate: 1-Chlorooctane	84.7 %	65.2-140								
Surrogate: 1-Chlorooctadecane	82.7 %	63.6-154								

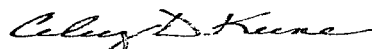
Sample ID: SOUTH WALL (H202383-02)

Chloride, SM4500CI-B			mg/kg							Analyzed By: HM
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	10/03/2012	ND	384	96.0	400	4.08		
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	10/03/2012	ND	188	94.2	200	4.31		
DRO >C10-C28	525	50.0	10/03/2012	ND	190	95.0	200	5.79		
Surrogate: 1-Chlorooctane	82.4 %	65.2-140								
Surrogate: 1-Chlorooctadecane	96.0 %	63.6-154								

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 BRUCE BAKER
 112 W. TAYLOR
 HOBBS NM, 88240
 Fax To: (575) 397-1471

 Received: 10/01/2012
 Reported: 10/04/2012
 Project Name: EME J-4 JCT
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 09/27/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: EAST WALL (H202383-03)

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	944	16.0	10/03/2012	ND	384	96.0	400	4.08		
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	10/03/2012	ND	188	94.2	200	4.31		
DRO >C10-C28	<10.0	10.0	10/03/2012	ND	190	95.0	200	5.79		
Surrogate: 1-Chlorooctane	88.5 %	65.2-140								
Surrogate: 1-Chlorooctadecane	88.3 %	63.6-154								

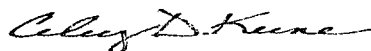
Sample ID: WEST WALL (H202383-04)

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	10/03/2012	ND	384	96.0	400	4.08		
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	10/03/2012	ND	188	94.2	200	4.31		
DRO >C10-C28	74.9	10.0	10/03/2012	ND	190	95.0	200	5.79		
Surrogate: 1-Chlorooctane	88.0 %	65.2-140								
Surrogate: 1-Chlorooctadecane	91.9 %	63.6-154								

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY
BRUCE BAKER
112 W. TAYLOR
HOBBS NM, 88240
Fax To: (575) 397-1471

Received: 10/01/2012
Reported: 10/04/2012
Project Name: EME J-4 JCT
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/27/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

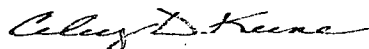
Sample ID: BOTTOM 5 PT. COMP (H202383-05)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	10/03/2012	ND	384	96.0	400	4.08	
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	10/03/2012	ND	188	94.2	200	4.31	
DRO >C10-C28	<10.0	10.0	10/03/2012	ND	190	95.0	200	5.79	
Surrogate: 1-Chlorooctane	97.6 %	65.2-140							
Surrogate: 1-Chlorooctadecane	97.2 %	63.6-154							

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

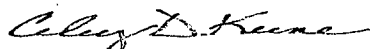
Notes and Definitions

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

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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: RECS		BILL TO		ANALYSIS REQUEST																						
Project Manager:		P.O. #:																								
Address:		Company:																								
City: State: Zip:		Attn:																								
Phone #: Fax #:		Address:																								
Project #: Project Owner:		City:																								
Project Name:		State: Zip:																								
Project Location: Eme J-4 JCT		Phone #:																								
Sampler Name:		Fax #:																								
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING																				
Lab I.D.	Sample I.D.	GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME												
H702368																										
1	North wall	C	1										9/27/12	3:30												
2	South wall	C	1										9/27/12	3:35												
3	East wall	C	1										9/27/12	3:40												
4	West wall	C	1										9/27/12	3:45												
5	Bottom 5pt. Composite	C	1										9/27/12	3:50												

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Relinquished By:	Date: 10-1-12 Time: 7:40	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: Add'l Fax #:
Relinquished By:	Date: Time:	Received By:	REMARKS: Bruce Baker Hack Conder Zach Conder	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: 	Lara W	

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



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

October 17, 2012

BRUCE BAKER

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

112 W. TAYLOR

HOBBS, NM 88240

RE: EME J-4 JCT

Enclosed are the results of analyses for samples received by the laboratory on 10/15/12 16:20.

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.

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

Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY
BRUCE BAKER
112 W. TAYLOR
HOBBS NM, 88240
Fax To: (575) 397-1471

Received:	10/15/2012	Sampling Date:	10/15/2012
Reported:	10/17/2012	Sampling Type:	Soil
Project Name:	EME J-4 JCT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: 8 PT. COMP TOPSOIL (H202505-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/17/2012	ND	400	100	400	0.00	

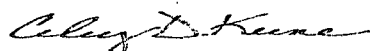
Sample ID: 8 PT. COMP CALICHE (H202505-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	10/17/2012	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

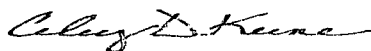
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

[illegible]

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.	<input type="checkbox"/>	MODEL: PGM 7300	SERIAL NO: 590-000508
MODEL	<input type="checkbox"/>	MODEL: PGM 7300	SERIAL NO: 590-000504
NO.	<input checked="" type="checkbox"/>	MODEL: PGM 7320	SERIAL NO: 592-903318
	<input type="checkbox"/>	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 OPERATING

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	JCT J-4	J	4	T-20-S	R-37-E

SAMPLE ID	PID	SAMPLE ID	PID
NORTH WALL	24.1		
SOUTH WALL	0		
EAST WALL	0		
WEST WALL	0		
BOTTOM 5PT. COMPOSITE	2.6		
BLENDED BACKFILL	5.4		

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

SIGNATURE:



DATE: 9/27/2012

CHLORIDE CONCENTRATION CURVE

RICE Operating Company

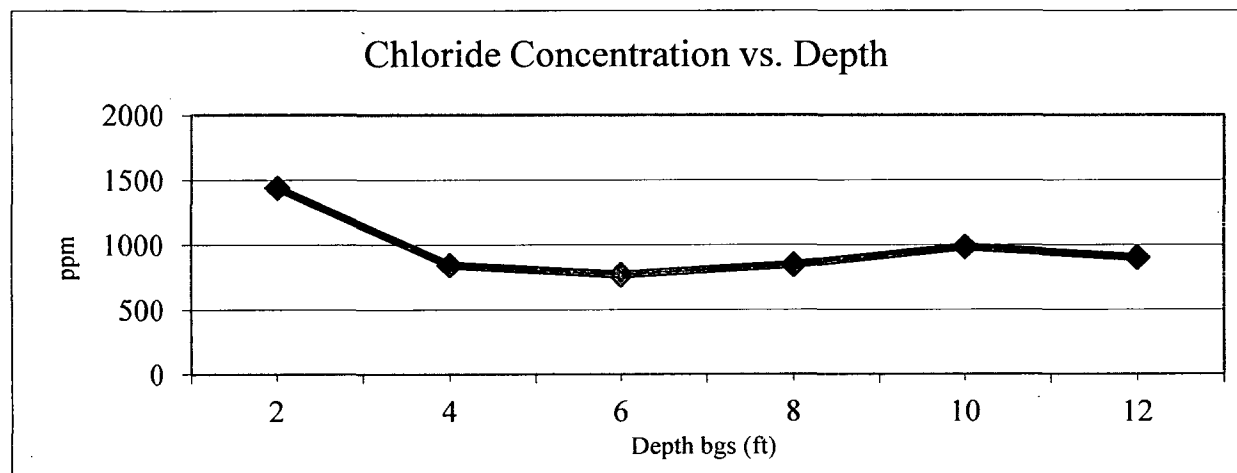
EME Jct. J-4

Unit 'J', Sec. 4, T20S, R37E

Backhoe samples at 10' N of the junction (source)

Depth bgs (ft)	[Cl ⁻] ppm
2	1442
4	845
6	771
8	848
10	985
12	903

Groundwater = 33 ft.





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

REVEGETATION FORM

1. General Information

Site name: EME Jct. J-4						
U/L J	Section 4	Township 20S	Range 37E	County Lea	Latitude N 32°35'57.465	Longitude W 103°15'11.989
Contact Name: ZACHARY CONDER						
Email: zconder@rice-ecs.com						
Site size: 60x65 Square feet: 4,000			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: 10/15/2012					

3. Bioremediation

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

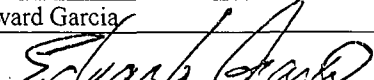
4. Seeding

**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: Blue Grama and Side Oats
Seeding date: 10/24/2012		
Broadcast <input checked="" type="checkbox"/>		
Method: Drop Seeder		
Soil conditions during seeding: Dry <input checked="" type="checkbox"/> Damp <input type="checkbox"/> Wet <input type="checkbox"/>		
Photos attached <input type="checkbox"/>	Observations: 3 lbs Blue Grama and 3lbs of Side Oats	
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: Edward Garcia	Title: Environmental Tech	Date: 10/24/2012
Signature: 		

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