

1R - 427-318

REPORTS

DATE:

3-5-10

**EME Jct F-29-2 (extra box)
2009**

1R427-318

RECEIVED

APR 15 2009
Environmental Bureau
Oil Conservation Division

DISCLOSURE

RECEIVED

APP - 6 2010

RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORTEnvironmental Bureau
Oil Conservation Division

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Eunice Monument Eumont (EME)	Jct. F-29-2 extra box	F	29	19S	37E	Lea	Length	Width	Depth
							eliminated		

LAND TYPE: BLM _____ STATE X FEE LANDOWNER _____ OTHER _____Depth to Groundwater 23 feet NMOCD SITE ASSESSMENT RANKING SCORE: *40Date Started 11/17/2008 Date Completed 11/3/2009 OCD Witness noSoil Excavated 400.0 cubic yards Excavation Length 30 Width 30 Depth 12 feetSoil Disposed 72 cubic yards Offsite Facility C and C Landfarm Location Monument, NMFINAL ANALYTICAL RESULTS: Sample Date 12/31/2008, 1/21/2009, 11/3/2009 Sample Depth 12 ft, 15 ft, 19 ft

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

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	PID = 7.3 (field)				<10.0	219	272
BOTTOM COMP.	PID = 11.2 (field)				<10.0	324	352
BLENDED BACKFILL	PID = 7.4 (field)				<10.0	474	144
SB #1 @ 15'	PID = 1.0 (field)				<10.0	<10.0	400
SB #1 @ 19'-21'	<.050	0.136	0.310	2.52	139	1,180	352

CHLORIDE FIELD TESTS

General Description of Remedial Action: This junction 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 each sample yielded generally low concentrations. Organic vapors, measured using a PID, also yielded generally low concentrations. The excavated soil was blended on site with clean, imported soil. Representative composite samples were collected from the excavation walls, bottom of the excavation, and the blended backfill. The representative samples were sent to a commercial laboratory for analysis of chloride and TPH which confirmed low concentrations of chloride and GRO, but slightly elevated concentrations of DRO. The blended backfill was returned to the excavation to ground surface and contoured to the surrounding area. NMOCD was notified of potential groundwater impact on 5/7/2009. To further investigate depth of TPH presence, a soil boring was initiated on 11/3/2009 at 13 ft south of the former junction box. Soil samples were collected and field tested for chlorides and organic vapors. The 15 and 19 ft samples were sent to a commercial laboratory for analysis of chloride and TPH, and BTEX for the 19 ft sample. Lab analysis of confirmed elevated concentrations of TPH in the 19 ft sample. The entire borehole was plugged with bentonite to the ground surface.

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	330
bottom comp.	12'	300
blended backfill	n/a	150
background	6"	170
SOIL BORING at 13 ft south of the junction (11/3/2009)	13'	451
	14'	481
	15'	494
	16'	417
	17'	411
	19'	300

*A windmill is located 933 ft south of the site.

ADDITIONAL EVALUATION IS HIGH PRIORITY

enclosures: photos, boring log, lab results, PID (field) screenings, chloride curve

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

SITE SUPERVISOR Eric Garrison SIGNATURE not available COMPANY RICE OPERATING COMPANYREPORT ASSEMBLED BY Katie Jones INITIAL KJPROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 3-5-10

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

EME Jct. F-29-2 extra box

Unit F, Section 29, T19S, R37E



site prior to excavation, facing east

11/17/2008



collecting a soil sample, facing east

11/17/2008





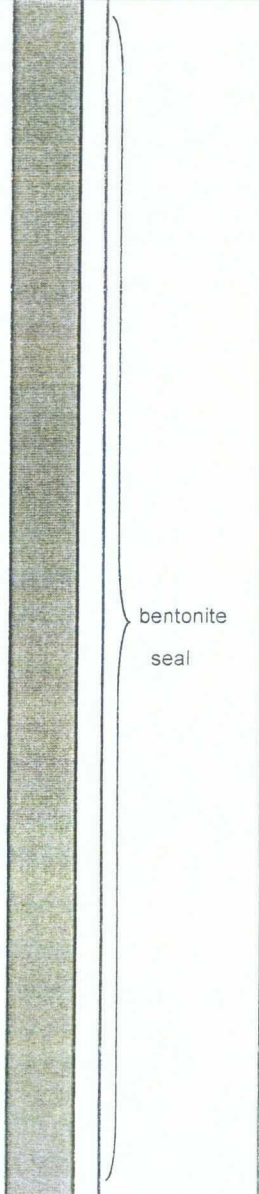
final 30x30x12-ft excavation, facing north

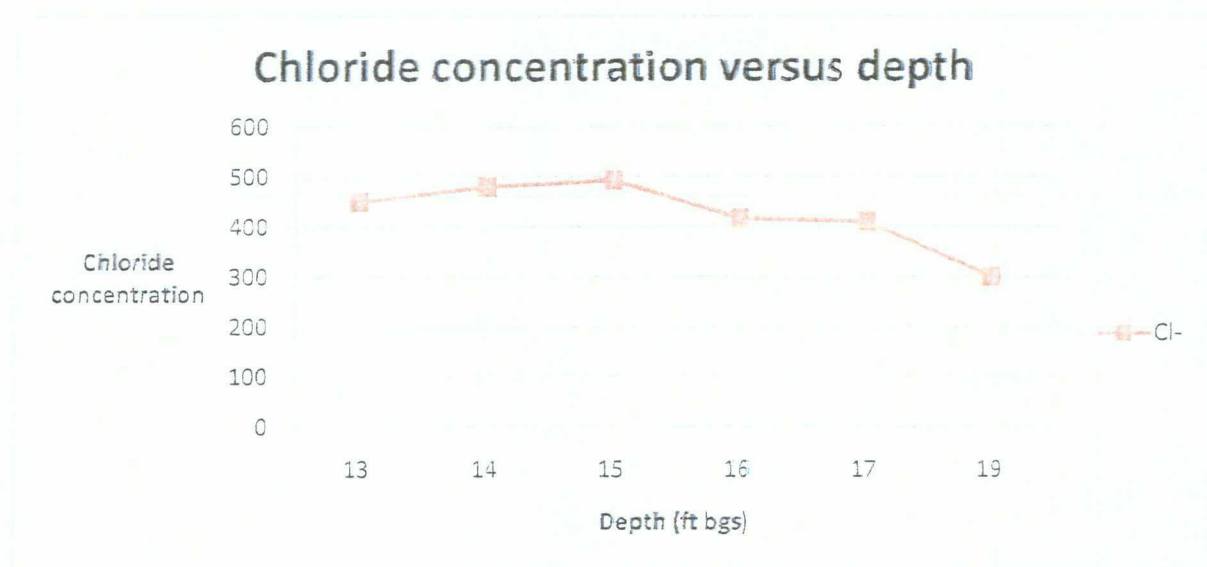
1/2/2009



drilling SB #1, 13 ft south of former jct box

11/3/2009

Logger:	Lara Weinheimer		 Clay Marker © SB-1			
Driller:	Harrison & Cooper, Inc. Drilling					
Consultant:	N/A - ROC junction box upgrade plan					
Drilling Method:	Air rotary					
Start Date:	11/3/2009					
End Date:	11/3/2009		Project Name: EME jct. F-29-2 Ex Box Well ID: SB #1			
Comments: Split spoon sampling from 13 - 17 ft. All other were from air rotary cuttings. Located 13 ft south of the former jct. box. Drafted by: Lara Weinheimer TD = 21 ft GW = 23 ft			Location: UL/F sec. 29 T19S R37E Lat: 32°38'4.461"N County: Lea Long: 103°16'31.933" W State: NM			
Depth (feet)	chloride field tests	LAB	PID	Description	Lithology	Well Construction
				10 - 13 ft		 bentonite seal
				VERY FINE TO FINE SAND; CALICHE & CHERT		
13	451		0.7	tan, dry, moderate hydrocarbon odor		
				13 - 15 ft		
14	481		1.3	VERY FINE TO FINE SAND WITH CHERT		
				light brown, dry, slight hydrocarbon odor		
15	494	Q-400	1			
		GPO				
		4100				
		GPO				
		4100				
				15 - 17 ft		
16	417		0.7	VERY FINE TO FINE SAND WITH CHERT		
				tan, dry, hydrocarbon odor		
17	411		205			
				17 - 19 ft		
19	300	354-1	709	VERY FINE TO FINE SAND		
		354-1		light brown, slightly moist, strong hydrocarbon odor		
		354-1				
		354-1				



COPY



CARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: HACK CONDER
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 11/03/09
Reporting Date: 11/09/09
Project Owner: NOT GIVEN
Project Name: EME JCT F-29-2 EXTRA BOX
Project Location: EME JCT F-29-2 EXTRA BOX

Sampling Date: 11/03/09
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: CK
Analyzed By: AB/HM

COPY

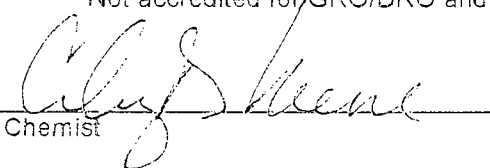
LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (C ₁₀ -C ₂₈) (mg/kg)	Cl ⁻ (mg/kg)
------------	-----------	--	---	----------------------------

ANALYSIS DATE		11/06/09	11/06/09	11/05/09
H18640-1	SB#1 @ 15'	<10.0	<10.0	400
H18640-2	SB#1 @ 19'-21'	139	1,180	352
Quality Control		590	591	500
True Value QC		500	500	500
% Recovery		118	118	100
Relative Percent Difference		11.3	15.0	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl⁻: Std. Methods 4500-Cl⁻B

*Analyses performed on 1:4 w:v aqueous extracts. Reported on wet weight.

Not accredited for GRO/DRO and Chloride.


Chemist


Date

H18640 TCL RICE

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 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.



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

ANALYTICAL RESULTS FOR:
RICE OPERATING COMPANY
ATTN: HACK CONDER
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 11/03/09
Reporting Date: 11/05/09
Project Owner: NOT GIVEN
Project Name: EME JCT F-29-2 EXTRA BOX
Project Location: EME JCT F-29-2 EXTRA BOX

Sampling Date: 11/03/09
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: CK
Analyzed By: ZL

COPY

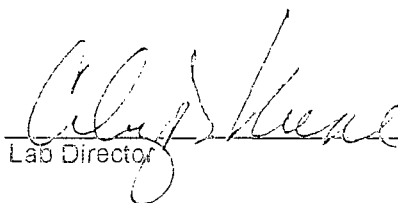
LAB NO. SAMPLE ID

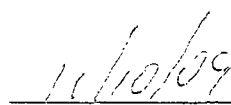
ETHYL TOTAL
BENZENE TOLUENE BENZENE XYLENES
(mg/kg) (mg/kg) (mg/kg) (mg/kg)

ANALYSIS DATE:	11/04/09	11/04/09	11/04/09	11/04/09
H18640-2 SB #1 @ 19'-21'	<0.050	0.136	0.310	2.52
Quality Control	0.043	0.043	0.045	0.145
True Value QC	0.050	0.050	0.050	0.150
% Recovery	86.0	86.0	90.0	96.7
Relative Percent Difference	1.5	4.4	1.0	1.0

METHODS: BTEX - SW-846 8021B

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Reported on wet weight.


Lab Director


Date

H18640 B RICE

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 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.

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

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

NEED SAMPLES BACK, PLEASE

Need
to start collecting process before

RICE OPERATING COMPANY

122 West Taylor ~ Hobbs, NM 88240

PHONE: (575) 393-9174 FAX: (575) 397-1471

PID METER CALIBRATION & FIELD REPORT FORM

CK	<input checked="" type="checkbox"/>
MODEL	
NO.	

MODEL: PGM 7300	SERIAL NO: 590-000183
MODEL: PGM 7300	SERIAL NO: 590-000504
MODEL: PGM 7600	SERIAL NO: 110-12383
MODEL: PGM 7600	SERIAL NO: 110-02920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 424958	EXPIRATION DATE: 7-29-2012
FILL DATE: 7-30-09	METER READING ACCURACY: 100.0

ACCURACY: +/- 2%

SYSTEM	SITE	UNIT	SECTION	TOWNSHIP	RANGE
EME	ict F-29-2 ^{Extra} box	F	29	19S	37E

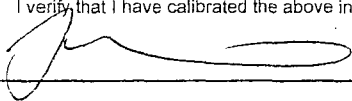
SAMPLE ID: SB #1

DEPTH	PID	DEPTH	PID	DEPTH	PID	DEPTH	PID
13'	0.7						
14'	1.3						
15'	1.0						
15'-17'	0.7						
17'	205						

DEPTH	PID	DEPTH	PID	DEPTH	PID	DEPTH	PID
18'-21'	709						

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

Signature



Date

11-3-09

SITE MAP





CARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: ERIC GARRISON
122 W. TAYLOR
HOBBS, NM 88240

Receiving Date: 12/31/08
Reporting Date: 01/05/09
Project Number: NOT GIVEN
Project Name: EME JCT F-29-2 X BOX
Project Location: EME JCT F-29-2 X BOX

COPY

Sampling Date: 12/31/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: CK/HM

LAB NUMBER	SAMPLE ID	GRO	DRO
		(C ₆ -C ₁₀) (mg/kg)	(>C ₁₀ -C ₂₅) (mg/kg)

ANALYSIS DATE		01/02/09	01/02/09
H16602-1	5PT BTM COMP @ 12'	<10.0	324
H16602-2	4 WALL COMP @ 30'x30'	<10.0	219
Quality Control		454	453
True Value QC		500	500
% Recovery		90.8	90.6
Relative Percent Difference		7.3	11.4

METHODS: TPH GRO & DRO: EPA SW-846 8015 M


Lab Director


Date

H16602 T RICE

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 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.



CARDINAL LABORATORIES

PHONE (575) 393-2326 • 1011 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: ERIC GARRISON
122 WEST TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 12/31/08

Reporting Date: 01/02/09

Project Number: NOT GIVEN

Project Name: EME JCT F-29-2 X BOX

Project Location: EME JCT F-29-2 X BOX

Analysis Date: 01/02/09

Sampling Date: 12/31/08

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML

Analyzed By: TR

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H16602-1	5 PT BTTM @ 12'	352
H16602-2	4 WALL COMP @ 30' X 30'	272
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		<0.1

METHOD: Standard Methods

4500-Cl⁻B

Note: Analyses performed on 1:4 w/v aqueous extracts.


Chemist


Date

H16602 RICE

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 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.

BILL TO

[illegible]

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 2% per month from the original date of invoice, and all costs of collection, including attorney's fees.

Number Relinquished: _____ Date: 12-31-08 Received By: CB
 _____ Time: 11-1

Date: 4/13 Time: _____
 Received By: [Signature]
 Delivered By: (Circle One) _____
 Sample - GPS - Bus - Other: _____
 Checked By: _____ (Initials) WMB

RICE OPERATING COMPANY

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

CKL	<input type="checkbox"/>	MODEL: PGM 7300	SERIAL NO: 596-000183
MODEL	<input checked="" type="checkbox"/>	MODEL: PGM 7600	SERIAL NO: 110-013744
NO.	<input type="checkbox"/>	MODEL: PGM 7600	SERIAL NO: 110-12383
	<input type="checkbox"/>	MODEL: PGM 7600	SERIAL NO: 110-023920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 58-3425	EXPIRATION DATE: 08-25-09
FILL DATE: 02-25-09	METER READING ACCURACY: 100% / 1m

ACCURACY: +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	F-29-2 X 100x	F	29	19 S	37E

SAMPLE ID	PID	SAMPLE ID	PID
5 FT BTM COMP 21.10'	11.2		
4 WALL COMP 21.30'	7.3		
		COPY	

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

SIGNATURE

[Signature]

DATE

12-21-09



CARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: ERIC GARRISON
122 W. TAYLOR
HOBBS, NM 88240

01/27/09
JOE JOSEPH
HOBBS, NM

Receiving Date: 01/22/09
Reporting Date: 01/27/09
Project Number: NOT GIVEN
Project Name: EME JCT F-29-2 X BOX
Project Location: EME JCT F-29-2 X BOX

Sampling Date: 01/21/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: AB/HM

COPY

LAB NUMBER SAMPLE ID	GRO	DRO	CI*
	(C ₆ -C ₁₀) (mg/kg)	(>C ₁₀ -C ₂₅) (mg/kg)	(mg/kg)

ANALYSIS DATE	01/26/09	01/26/09	01/22/09
H16743-1 BLENDED BACKFILL	<10.0	474	144
Quality Control	450	513	500
True Value QC	500	500	500
% Recovery	90.0	103	100
Relative Percent Difference	4.3	2.4	< 0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CIB

*Analysis performed on a 1:4 w/v aqueous extract.

Ally S. Kane
Chemist

01/28/09
Date

H16743 TOL RICE

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 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.

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 Fax (575) 393-2476

BILL TO				ANALYSIS REQUEST											
P.O. #:															
Company:															
Attn:															
Address:															
City:															
State:															
Phone #:															
Fax #:															
Project Name:															
Project Location:															
Sample Name:															
Lab I.D.:															
Sample I.D.:															
Matrix:															
PRESERV:															
DATE:															
TIME:															

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 2 1/2% per annum from the original date of invoice and all costs of collections, including attorney's fees.

Date: 01/22/09		Time: 4:40p		Date: 01/22/09		Time: 4:40p	
Received By: [Signature]		Received By: [Signature]		Phone Result: []		Add'l Phone #:	
Faxed Result: []		Faxed Result: []		Fax Result: []		Add'l Fax #:	
REMARKS: Results: [Handwritten]							
Delivered By: (Circle One)							
Sample Condition: []							
Temp: []							
Checked By: [Signature]							
Initials: [Signature]							
Contact - UPS - bus - Other: []							

If Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

RICE OPERATING COMPANY

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

CK.	
MODEL	✓
NO.	

MODEL: PGM 7600	SERIAL NO: 110-013676
MODEL: PGM 7600	SERIAL NO: 110-013744
MODEL: PGM 7600	SERIAL NO: 110-12383
MODEL: PGM 7600	SERIAL NO: 110-012920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 08-24-5	EXPIRATION DATE: 08-24-58
FILL DATE: 02-29-58	METER READING ACCURACY: 99%

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	F-22-2X8	F	29	195	3.7E

SAMPLE ID	PID	SAMPLE ID	PID
Berkeley Backfill	7.4		

COPY

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

SIGNATURE: *[Signature]*

DATE: 1-21-09

CHLORIDE CONCENTRATION CURVE

RICE Operating Company

EME Jct. F-29-2 extra box

Unit 'F', Sec. 29, T19S, R37E

SOIL BORING samples at 13 ft south of the junction (source)

Depth bgs (ft)	Cl ppm
13	451
14	481
15	494
16	417
17	411
19	300

Groundwater = 23 ft

