

**1R - 427 - 176**

---

# **REPORTS**

**DATE:**

**5 - 27 - 05**

---

ZME Jct B-1-2

1R0427-176

# DISCLOSURE REPORT

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

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
EME	B-1-2	B	1	20S	36E	Lea	6	5	5

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Charlie Byrd OTHER \_\_\_\_\_

Depth to Groundwater 40 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 6/22/2004 Date Completed 6/25/2004 OCD Witness No

Soil Excavated 400 cubic yards Excavation Length 30 Width 30 Depth 12 feet

Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a

**FINAL ANALYTICAL RESULTS:** Sample Dates 6/24/2004 7/15/2004 Sample Depth 12 ft

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

**CHLORIDE FIELD TESTS**

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.0	<10.0	<10.0	896
BOTTOM COMP.	0.0	<10.0	<10.0	368
REMED. BACKFILL	XXX	<10.0	<10.0	223

LOCATION	DEPTH (ft)	ppm
15 ft NORTH of junction	8	359
	9	569
	10	689
	11	599
15 ft SOUTH of junction	12	809
	8	659
	9	419
	10	659
4-wall comp.	11	719
	12	749
	12	689
bottom comp.	12	209
remed. backfill	n/a	389

General Description of Remedial Action: This junction box was located just south of the fence of an active production facility. The pipeline was replaced and the site was delineated using a backhoe while PID screenings and chloride field tests were conducted at regular intervals on grab soil samples. PID readings were low throughout the 30 x 30 x 12 ft deep excavation and composite lab samples confirmed non-detect (<10.0 ppm) TPH concentrations that meet NMOCD guidelines. Chloride concentrations did not exhibit significant declines at this site. The excavated soil was blended on site and then backfilled into the excavation and contoured to the surrounding surface. The disturbed surface was seeded with a blend of native vegetation and is expected to return to productive capacity at a normal rate. A new watertight junction box has been built over this junction. An identification plate has been placed next to the box to identify the junction site for future environmental considerations. NMOCD has been notified of potential groundwater impact at this site.

**ADDITIONAL EVALUATION IS HIGH PRIORITY**

enclosures: chloride graph, photos, lab results, PID field screenings

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

SITE SUPERVISOR Rob Elam SIGNATURE not available COMPANY Curt's Environmental--Odessa, TX

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 5/27/2005 TITLE Project Scientist

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

**EME jct. B-1-2**

unit 'B', sec. 1, T20S, R36E



undisturbed junction box

4/13/2004



box removed; old plumbing

5/4/2004



new plumbing at junction

5/4/2004



junction box removed

6/25/2004



30 x 30 x 12-ft excavation with pipe supports

6/25/2004



floor of new box at backfilled site

7/12/2004



seeding disturbed surface; new junction box in foreground

10/15/2004



disclosure plate at junction box

10/19/2004

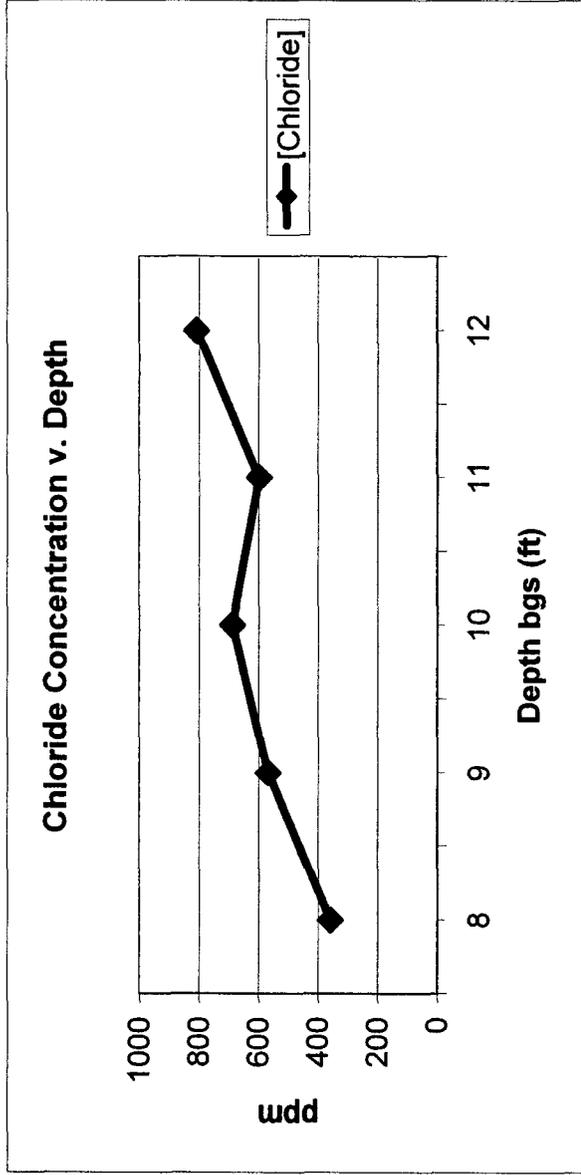
# EME jct. B-1-2

unit 'B', Sec. 1, T20S, R36E

Vertical Delineation at Source

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
8	359
9	569
10	689
11	599
12	809

Groundwater = 40 ft



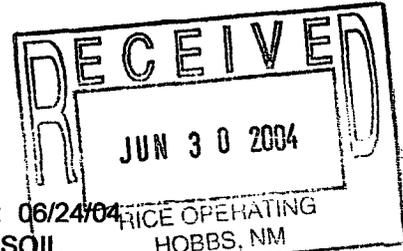


**ARDINAL  
LABORATORIES**

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
RICE OPERATING CO.  
ATTN: ROB ELAM  
122 W. TAYLOR  
HOBBS, NM 88240  
FAX TO: (505) 397-1471



Receiving Date: 06/24/04  
Reporting Date: 06/25/04  
Project Number: B1-2  
Project Name: EME B1-2  
Project Location: NOT GIVEN

Sampling Date: 06/24/04  
Sample Type: SQIL  
Sample Condition: COOL & INTACT  
Sample Received By: GP  
Analyzed By: BC/HM

LAB NUMBER SAMPLE ID	GRO	DRO	CI*
	(C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	(>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	
ANALYSIS DATE	06/24/04	06/24/04	06/25/04
H8853-1 12' BOTTOM COMPOSITE	<10.0	<10.0	368
H8853-2 WALL COMPOSITE	<10.0	<10.0	896
Quality Control	770	816	1000
True Value QC	800	800	1000
% Recovery	96.2	102	100
Relative Percent Difference	0.9	3.4	2.0

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

\*Analyses performed on 1:4 w:v aqueous extracts.

**COPY**

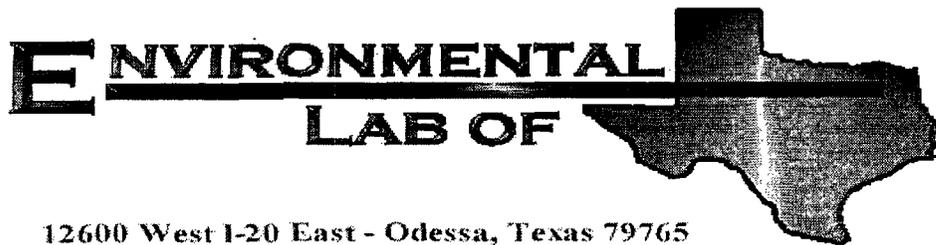
Benjamin Cook  
Chemist

6/25/04  
Date

H8853.XLS

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.





12600 West I-20 East - Odessa, Texas 79765

COPY

## Analytical Report

**Prepared for:**

Roy Rascon  
Rice Operating Co.  
122 W. Taylor  
Hobbs, NM 88240

Project: Jct. B-1-2

Project Number: None Given

Location: EME

Lab Order Number: 4G16018

Report Date: 07/22/04

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Jct. B-1-2  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
07/22/04 10:58

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-1-2 Backfill	4G16018-01	Soil	07/15/04 14:15	07/16/04 16:20

Rice Operating Co. 122 W. Taylor Hobbs NM, 88240	Project: Jct. B-1-2 Project Number: None Given Project Manager: Roy Rascon	Fax: (505) 397-1471  Reported: 07/22/04 10:58
--	--	--

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>B-1-2 Backfill (4G16018-01) Soil</b>									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41910	07/20/04	07/20/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		<i>87.2 %</i>	<i>70-130</i>		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		<i>79.0 %</i>	<i>70-130</i>		"	"	"	"	

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Jct. B-1-2  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
07/22/04 10:58

**General Chemistry Parameters by EPA / Standard Methods**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>B-1-2 Backfill (4G16018-01) Soil</b>									
Chloride	223	20.0	mg/kg Wet	2	EG42015	07/19/04	07/20/04	SW 846 9253	
% Solids	98.0		%	1	EG42001	07/19/04	07/19/04	% calculation	

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Jct. B-1-2  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471  
Reported:  
07/22/04 10:58

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch EG41910 - Solvent Extraction (GC)**

**Blank (EG41910-BLK1)**

Prepared & Analyzed: 07/20/04

Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	45.7		mg/kg	50.0		91.4	70-130			
Surrogate: 1-Chlorooctadecane	41.1		"	50.0		82.2	70-130			

**Blank (EG41910-BLK2)**

Prepared: 07/20/04 Analyzed: 07/21/04

Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	43.0		mg/kg	50.0		86.0	70-130			
Surrogate: 1-Chlorooctadecane	36.4		"	50.0		72.8	70-130			

**LCS (EG41910-BS1)**

Prepared & Analyzed: 07/20/04

Gasoline Range Organics C6-C12	451	10.0	mg/kg wet	500		90.2	75-125			
Diesel Range Organics >C12-C35	486	10.0	"	500		97.2	75-125			
Total Hydrocarbon C6-C35	937	10.0	"	1000		93.7	75-125			
Surrogate: 1-Chlorooctane	49.5		mg/kg	50.0		99.0	70-130			
Surrogate: 1-Chlorooctadecane	37.7		"	50.0		75.4	70-130			

**LCS (EG41910-BS2)**

Prepared: 07/20/04 Analyzed: 07/21/04

Gasoline Range Organics C6-C12	454	10.0	mg/kg wet	500		90.8	75-125			
Diesel Range Organics >C12-C35	482	10.0	"	500		96.4	75-125			
Total Hydrocarbon C6-C35	936	10.0	"	1000		93.6	75-125			
Surrogate: 1-Chlorooctane	49.4		mg/kg	50.0		98.8	70-130			
Surrogate: 1-Chlorooctadecane	37.9		"	50.0		75.8	70-130			

**Calibration Check (EG41910-CCV1)**

Prepared & Analyzed: 07/20/04

Gasoline Range Organics C6-C12	424		mg/kg	500		84.8	80-120			
Diesel Range Organics >C12-C35	438		"	500		87.6	80-120			
Total Hydrocarbon C6-C35	862		"	1000		86.2	80-120			
Surrogate: 1-Chlorooctane	55.8		"	50.0		112	70-130			
Surrogate: 1-Chlorooctadecane	38.2		"	50.0		76.4	70-130			

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Jct. B-1-2  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
07/22/04 10:58

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch EG41910 - Solvent Extraction (GC)**

**Calibration Check (EG41910-CCV2)**

Prepared: 07/20/04 Analyzed: 07/21/04

Gasoline Range Organics C6-C12	412		mg/kg	500		82.4	80-120			
Diesel Range Organics >C12-C35	454		"	500		90.8	80-120			
Total Hydrocarbon C6-C35	866		"	1000		86.6	80-120			
Surrogate: 1-Chlorooctane	55.2		"	50.0		110	70-130			
Surrogate: 1-Chlorooctadecane	40.3		"	50.0		80.6	70-130			

**Matrix Spike (EG41910-MS1)**

Source: 4G16016-23

Prepared & Analyzed: 07/20/04

Gasoline Range Organics C6-C12	448	10.0	mg/kg dry	521	ND	86.0	75-125			
Diesel Range Organics >C12-C35	469	10.0	"	521	ND	90.0	75-125			
Total Hydrocarbon C6-C35	917	10.0	"	1040	ND	88.2	75-125			
Surrogate: 1-Chlorooctane	56.0		mg/kg	50.0		112	70-130			
Surrogate: 1-Chlorooctadecane	36.9		"	50.0		73.8	70-130			

**Matrix Spike (EG41910-MS2)**

Source: 4G16021-05

Prepared: 07/20/04 Analyzed: 07/21/04

Gasoline Range Organics C6-C12	433	10.0	mg/kg dry	515	ND	84.1	75-125			
Diesel Range Organics >C12-C35	513	10.0	"	515	8.10	98.0	75-125			
Total Hydrocarbon C6-C35	946	10.0	"	1030	ND	91.8	75-125			
Surrogate: 1-Chlorooctane	53.7		mg/kg	50.0		107	70-130			
Surrogate: 1-Chlorooctadecane	41.2		"	50.0		82.4	70-130			

**Matrix Spike Dup (EG41910-MSD1)**

Source: 4G16016-23

Prepared: 07/20/04 Analyzed: 07/22/04

Gasoline Range Organics C6-C12	456	10.0	mg/kg dry	521	ND	87.5	75-125	1.77	20	
Diesel Range Organics >C12-C35	487	10.0	"	521	ND	93.5	75-125	3.77	20	
Total Hydrocarbon C6-C35	943	10.0	"	1040	ND	90.7	75-125	2.80	20	
Surrogate: 1-Chlorooctane	51.6		mg/kg	50.0		103	70-130			
Surrogate: 1-Chlorooctadecane	41.9		"	50.0		83.8	70-130			

**Matrix Spike Dup (EG41910-MSD2)**

Source: 4G16021-05

Prepared: 07/20/04 Analyzed: 07/21/04

Gasoline Range Organics C6-C12	446	10.0	mg/kg dry	515	ND	86.6	75-125	2.96	20	
Diesel Range Organics >C12-C35	471	10.0	"	515	8.10	89.9	75-125	8.54	20	
Total Hydrocarbon C6-C35	917	10.0	"	1030	ND	89.0	75-125	3.11	20	
Surrogate: 1-Chlorooctane	54.6		mg/kg	50.0		109	70-130			
Surrogate: 1-Chlorooctadecane	37.4		"	50.0		74.8	70-130			

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Jct. B-1-2  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
07/22/04 10:58

**General Chemistry Parameters by EPA / Standard Methods - Quality Control  
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch EG42001 - General Preparation (Prep)</b>										
<b>Blank (EG42001-BLK1)</b> Prepared & Analyzed: 07/19/04										
% Solids	100		%							
<b>Duplicate (EG42001-DUP1)</b> Source: 4G16015-03 Prepared & Analyzed: 07/19/04										
% Solids	89.0		%		89.0			0.00	20	
<b>Batch EG42015 - Water Extraction</b>										
<b>Blank (EG42015-BLK1)</b> Prepared: 07/19/04 Analyzed: 07/20/04										
Chloride	ND	20.0	mg/kg Wet							
<b>Matrix Spike (EG42015-MS1)</b> Source: 4G16016-22 Prepared: 07/19/04 Analyzed: 07/20/04										
Chloride	532	20.0	mg/kg Wet	500	21.3	102	80-120			
<b>Matrix Spike Dup (EG42015-MSD1)</b> Source: 4G16016-22 Prepared: 07/19/04 Analyzed: 07/20/04										
Chloride	521	20.0	mg/kg Wet	500	21.3	99.9	80-120	2.09	20	
<b>Reference (EG42015-SRM1)</b> Prepared: 07/19/04 Analyzed: 07/20/04										
Chloride	5000		mg/kg	5000		100	80-120			

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Jct. B-1-2  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
07/22/04 10:58

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference  
LCS Laboratory Control Spike  
MS Matrix Spike  
Dup Duplicate

Report Approved By:

Coley D. Keene

Date:

07/22/04

Raland K. Tuttle, QA Officer  
Coley D. Keene, Lab Director, Org. Tech Director  
Jeanne Mc Murrey, Inorg. Tech Director

James L. Hawkins, Chemist/Geologist  
Sara Molina, Chemist  
Sandra Biezugbe, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.



## Environmental Lab of Texas Variance / Corrective Action Report – Sample Log-In

Client: Rice Operating Co.

Date/Time: 07-16-04 @ 1515

Order #: 4G16017

Initials: JMM

### Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="checkbox"/> Yes	No	4.0 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	<del>Not present</del>
Custody Seals intact on sample bottles?	Yes	No	<del>Not present</del>
Chain of custody present?	<input checked="" type="checkbox"/> Yes	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/> Yes	No	
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/> Yes	No	
Container labels legible and intact?	<input checked="" type="checkbox"/> Yes	No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	No	
Samples properly preserved?	<input checked="" type="checkbox"/> Yes	No	
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	No	Not Applicable

Other observations:

---



---



---

### Variance Documentation:

Contact Person: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_

Regarding:

---



---

Corrective Action Taken:

---



---



---



---



---



---

**RICE OPERATING COMPANY**  
 122 WEST TAYLOR  
 HOBBS, NEW MEXICO 88240  
 PHONE: (505) 393-9174 FAX: (505) 397-1471  
**VOC FIELD TEST REPORT FORM**  
 MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

**COPY**

MODEL NO: PGM 761S  
 CALIBRATION GAS  
 GAS COMPOSITION: ISOBUTYLENE  
 AIR  
 LOT NO: 03-2475  
 EXP. DATE: 10-19-05  
 METER READING  
 ACCURACY: 100.1

SERIAL NO: ~~104412~~ 104550  
 100 PPM  
 BALANCE  
 FILL DATE: 4-19-04  
 ACCURACY: ± 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	B1-2	B	1	20 S	36 E

SAMPLE	PID RESULT	SAMPLE	PID RESULT
West 8'	0	West Wall Comp	0
9'	0	East " "	0
10'	0	South " "	0
11'	0	North " "	0
12'	0	Bottom "	0
Source 13'	0	Wall "	0
14'	0		
15'	0		

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

Rob Elam  
 Signature

6-24-04  
 Date