



**Associated Natural Gas
Company**

A division of Arkansas Western Gas Company

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January 18, 1999

Mr. Dale Hardy Roberts
Secretary and Chief Regulatory Law Judge
Missouri Public Service Commission
P. O. 360
Jefferson City, MO 65102-0360

FILED

JAN 25 1999

**Missouri Public
Service Commission**

Re: Annual Report Filing in Case No. GO-98-567

Dear Mr. Roberts:

In accordance with the Commission's Order in Case No. GO-98-567 (case granting Associated Natural Gas a three-year variance from 4 CSR 240-10.030(19), Testing of Gas Meters), Associated Natural Gas Company submits for filing an original and four (4) copies of the meter test results for 1998 conducted under the new meter test procedures. A copy of the report has been forwarded to the Manager of the Gas Department, Missouri Public Service Commission and the Office of the Public Counsel.

If you should have any questions, please contact me. Please file mark on copy of the report and return to me in the enclosed self-addressed, stamped envelope.

Sincerely,

Ricky Gunter
Director, Rates and Regulation

Enclosure

cc: Manager of Gas Department
Missouri Public Service Commission

Office of the Public Counsel
Jefferson City, Missouri

FILED

JAN 25 1999

Associated Natural Gas Company

Missouri Public
Service Commission

Meter Test Program Annual Report

For the Year Ending December 31, 1998

January 18, 1999

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Section A – Meter Test Results

The attached Exhibit A-1 and Exhibit A-2 show the breakdown of the results of the meter test program by meter group and the percent of accuracy ranging from 1 to 10 per cent accurate. Exhibit A-1 shows for the first testing of meters in Groups 1 and 3 the number of meters testing within the +/- 2% tolerance exceeded the 92% threshold level before additional testing is required; therefore, no further testing for these groups were necessary. However, the Meter Group 2 average accuracy percentage was 91.5% which falls just below the 92% threshold level. In accordance with the meter test program provisions, ANG tested another 200 meters from Group 2. Exhibit A-2 shows that after testing the additional 200 meters the average accuracy percentage of the 600 meters for Group 2 is 93%. Since the average accuracy percentage exceeded the 92% threshold level, no further testing was required for Group 2 meters.

EXHIBIT A-1

CITGPRPT 12/03/98
HENDRICK 15:10:04

ASSOCIATED NATURAL GAS COMPANY

Incoming 1998 Missouri Meter Test Results

	Group 1		Group 2		Group 3	
	Percent	Number	Percent	Number	Percent	Number
FAST 10%	.00	0	.00	0	.00	0
FAST 9%	.00	0	.00	0	.00	0
FAST 8%	.00	0	.00	0	.00	0
FAST 7%	.00	0	.00	0	.00	0
FAST 6%	.00	0	.00	0	.00	0
FAST 5%	.00	0	.00	0	.00	0
FAST 4%	.25	1	.00	0	.00	0
FAST 3%	2.25	9	.50	2	.75	3
FAST 2%	5.75	23	6.75	27	10.25	41
FAST 1%	37.75	151	32.75	131	41.75	167
SLOW 1%	38.50	154	33.50	134	37.75	151
SLOW 2%	11.50	46	18.50	74	8.25	33
SLOW 3%	3.50	14	2.75	11	1.25	5
SLOW 4%	.00	0	2.75	11	.00	0
SLOW 5%	.25	1	.75	3	.00	0
SLOW 6%	.25	1	1.00	4	.00	0
SLOW 7%	.00	0	.25	1	.00	0
SLOW 8%	.00	0	.25	1	.00	0
SLOW 9%	.00	0	.00	0	.00	0
SLOW 10%	.00	0	.25	1	.00	0
# > +/- 10%	.00	0	.00	0	.00	0
=====						
TOTAL	100.00	400	100.00	400	100.00	400
=====						
% < +/- 2%	93.50	374	91.50	366	98.00	392

Damaged, Wet-Gas, and Non-Registering meters are not included

EXHIBIT A-2

CITGPRPT 12/03/98
HENDRICK 15:35:45

ASSOCIATED NATURAL GAS COMPANY

Incoming 1998 Missouri Meter Test Results

	Group 1		Group 2		Group 3	
	Percent	Number	Percent	Number	Percent	Number
FAST 10%	.00	0	.00	0	.00	0
FAST 9%	.00	0	.00	0	.00	0
FAST 8%	.00	0	.00	0	.00	0
FAST 7%	.00	0	.00	0	.00	0
FAST 6%	.00	0	.00	0	.00	0
FAST 5%	.00	0	.00	0	.00	0
FAST 4%	.25	1	.00	0	.00	0
FAST 3%	2.25	9	.33	2	.75	3
FAST 2%	5.75	23	6.33	38	10.25	41
FAST 1%	37.75	151	35.50	213	41.75	167
SLOW 1%	38.50	154	34.33	206	37.75	151
SLOW 2%	11.50	46	16.83	101	8.25	33
SLOW 3%	3.50	14	3.00	18	1.25	5
SLOW 4%	.00	0	2.00	12	.00	0
SLOW 5%	.25	1	.50	3	.00	0
SLOW 6%	.25	1	.66	4	.00	0
SLOW 7%	.00	0	.16	1	.00	0
SLOW 8%	.00	0	.16	1	.00	0
SLOW 9%	.00	0	.00	0	.00	0
SLOW 10%	.00	0	.16	1	.00	0
# > +/- 10%	.00	0	.00	0	.00	0
=====						
TOTAL	100.00	400	100.00	600	100.00	400
% < +/- 2%	93.50	374	93.00	558	98.00	392

Damaged, Wet-Gas, and Non-Registering meters are not included

Section B – Description of Meter Groups Requiring
Remediation and Remediation Plan

Because the average in tolerance percentage for all the meters tested exceeded the 89% threshold requirement before remediation is required, no meter group required remediation; therefore, there was no need to develop a remediation plan.

Section C - Number of Meter Groupings and Makeup of Groups

The following list shows the meter groups broken down by meter type, purchase dates and number of meters. These meter groupings are the same as those shown on Exhibit A of the Application for Waiver of Rule 4 CSR 240-10.030(19) approved by the Commission in Case No. GO-98-567.

GROUP	TYPE	PRUCHASE DATE	NUMBER OF METERS
1	Sprague 175, All 1A, 250	1950 to 1995	16,533
2	Sprague 175, R175, R200	1996 to Present All	15,227
3	American	All	13,999