



Department of consumer and corporate affairs / Ministère de la consommation et des corporations



SPG-170

1147-4

3585-3

OTTAWA, June 9, 1972

TEMPORARY SPECIAL APPROVAL

Granted to: Wintering Hills Gas Co-op. Ltd.,
Wintering Hills, Alberta.

Attention: Bell & Fenske Consulting Engineering Ltd.,
5627-21st S.W.
Calgary, Alberta.

Subject: Use of Pressure Factor in Gas
Metering Installation.

Temporary Special Approval has been granted by the Standards Branch to Wintering Hills Gas Co-op. Ltd., to apply a pressure factor in the measurement of gas at the following installation under the stated conditions:

Seller	- Trans-Canada Pipelines Ltd.
Buyer	- Wintering Hills Gas Co-op. Ltd.
Location of Meter	- SW $\frac{1}{4}$ of Sec. 27, Twp. 25, Rge. 20 W4M
Nature of Load	- Farmsteads in SE-28-25-20 NE-15-25-20 SE-27-25-20 SW-25-25-20 SE- 2-26-20
Load	- 1200 cfh
A.G.T.L. line pressure	- 900 psig
Metering pressure	- 25 psig
Upstream Regulators	- 1" Fisher 620 - 3/32 orifice set at 100 psig ahead of 1" Fisher 624-3/32 orifice set at 25 psig
Relief valve	- Built into above 624 regulator set at 27 psig
Meter Type	- Canadian Meter AL425. - 25 psig rating - positive displacement diaphragm meter - temperature compensated
Downstream Regulator	- 3/4" Reliance 268 - 5/16 orifice
(See Special Approval SPG-171 for details of downstream load)	

Base Pressure	14.4 psia
Average atmospheric pressure	ASL 3000' - 13.25 psia
Pressure compensation factor	$\frac{13.25 + 25.0}{14.4} = 2.65625$

This service may be subject to "spot checks" by the Electricity and Gas Inspection Service at any time with reasonable notice.

This approval is temporary and will expire when permanent regulations pertaining to pressure factor measurement are put into effect.

W.J.S. Fraser

W.J.S. Fraser,
Chief,
Electricity and Gas Division.

c.c. Mr. A. S. Park, Calgary
Mr. W.A. Sayers, Winnipeg

