



Consumer and
Corporate Affairs Canada

Consommation et
Corporation Canada

Consumer Standards
Directorate

Direction générale
des normes

SPG-261

OTTAWA, Ontario
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G-6635-C641

21 April 1980

SPECIAL APPROVAL

Granted to: Canadian Western Natural Gas Company Limited
140 - Sixth Avenue Southwest
Calgary, Alberta
T2P 0P6

Attention: Mr. E. W. Moore,
Supervisor, Measurement Operations

Subject: Installation of Automatic Meter Reading
Equipment on Rockwell International of
Canada Limited Type RC 230 Gas Meters
and Canadian Meter Company Limited Type AL 225
Gas Meters

Special Approval is hereby granted by the Legal
Metrology Branch to Canadian Western Natural Gas Company
Limited for installation of automatic meter reading
encoders on Rockwell Type RC 230 and Canadian Meter
Type AL 225 domestic gas meters for a trial period.

The modification consists of replacement of the
1,000 cubic feet capacity index pointer by a disc to which
is attached a small 2 pole magnet. A Hall effect detector
device is affixed to the index face adjacent and tangential
to the magnet disc. Cable from the encoder sensor device
is connected to a transponder box in proximity to the meter.
From the transponder the accumulated information is relayed
via telephone lines to a data centre.

Purpose of this trial, which may involve as many as
100 gas meters of each type, is to examine the technical
merits of the proposed system.

Any standard or T.C. version of the two types of gas meters may be modified for this trial use.

Approval of this modification does not authorize the billing to be based on any remote registration provisions. Since billing only involves volumes to the closest 1000 cu.ft., the 1000 cu.ft. per revolution index on which the disc has been installed does not figure into consumed volume determination.

Normal verification procedures shall be followed as indicated by Departmental Instructions, Part IIA.



J. Armstrong
Acting Chief
Electricity and Gas Division

cc: L. Hewitt
District Manager (E & G)
Calgary, Alberta