



Consumer and  
Corporate Affairs Canada

Consommation et  
Corporation Canada

SPG-257

Consumer Standards  
Directorate

Direction générale  
des normes

OTTAWA, Ontario

18 February 1980

*voir la* *votre référence*

*voir la* *leur référence*

G 6635-S6-23

TEMPORARY SPECIAL APPROVAL

Granted to: Canadian Western Natural Gas Co. Ltd.  
1040 - 11th Avenue S.W.  
Calgary, Alberta

Attention: Mr. Earle Moore  
Measurement Supervisor

Subject: Field Trial of Sprague Meter Division  
Type 240 Temperature Compensated Meters  
equipped with new "Servo Crank Mechanism"

Temporary special approval is hereby granted to Canadian Western Natural Gas Co. Ltd., by the Legal Metrology Branch for the trial billing use of fifty (50) Sprague type 240 TC meters, equipped with a newly designed "servo crank mechanism".

These meters are similar to those approved under approval circular G-43, dated March 5, 1970, except that the normal tangent/crank assembly is replaced by the "servo crank mechanism". (Refer to attached photo). The function of the new design is to prevent valve sticking under unusually cold, gas-contaminated, low flow operating conditions, by momentarily lifting the valve cover off the valve seat, allowing sufficient gas to flow to prevent the pilot light from being extinguished. The trial testing will determine whether adverse effects on measurement accuracy result from the incorporation of the new mechanism.

The subject meters will have serial numbers from 79-188170 to 79-188219 inclusive and utility badge numbers will be 306550 to 306599 inclusive.

The manufacturer's nameplate, on each meter, will include the inscription: "model 240 SC" and a tag marked "SC" will be attached to the top casting screw.

The special approval is subject to the following conditions:

1. All meters will be placed in service in the Calgary area where previous problems were encountered.

.../2

2. Each meter will be verified by Calgary District Office prior to placement into service. Verification will be performed in accordance with procedures outlined in Departmental Instructions, Part IIA.
3. During service, all pilot light outages must be reported to the District Office.
4. On or about April 30, 1980, all meters will be removed from service and retested as in 2), above.
5. If results of tests from 4) are satisfactory, meters will be returned to similar service locations. If results are unsatisfactory, meters will be removed from service and returned to the supplier, effectively terminating the temporary special approval.
6. If meters from 4) are returned to service, they will again be monitored by the utility and any pilot light outages will be reported to the District Office.
7. On or about April 30, 1981, all meters will again be removed from service and retested as in 2), above. If test results are satisfactory, the field trial may continue, at the option of the utility, while general approval-of-type is considered. However, if results are unsatisfactory, the special approval will terminate and all meters will be returned to the supplier.
8. Results of all tests, including pilot light outages, shall be forwarded to the Legal Metrology Branch.



John Armstrong  
Acting Chief  
Electricity and Gas

cc: L.M. Hewitt, District Manager  
Calgary

D.T. Mitobe, Vice President/General Manager  
Sprague Meter Company