

Australian Standard[®]

**PETROLEUM LIQUIDS AND
GASES—MEASUREMENT—
STANDARD REFERENCE
CONDITIONS**

This Australian standard was prepared by Committee ME/49, Oil and Gas Measurement. It was approved on behalf of the Council of the Standards Association of Australia on 7 July 1983 and published on 5 September 1983.

The following interests are represented on Committee ME/49:

Australian Gas Association
Australian Institute of Petroleum Limited
Australian Institute of Physics
Australian Liquefied Petroleum Gas Association
Australian Petroleum Exploration Association Limited
CSIRO, Division of Applied Physics
Department of Industry and Commerce
Department of Mines and Energy, S.A.
Department of Minerals and Energy, Vic.
Department of Resources and Energy
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PREFACE

This standard was prepared by the Association's Committee on Oil and Gas Measurement. It is technically identical with ISO 5024—1976, Petroleum Liquids and Gases—Measurement—Standard Reference Conditions.

Because the volume occupied by a quantity of petroleum, either liquid or gaseous, is a function of pressure and temperature, it is necessary to ascertain the pressure and temperature of the petroleum at the same time as the volume is measured. For technical, commercial and fiscal purposes, it is generally required that the volume measured shall be corrected to the volume which the quantity of petroleum would occupy under standard reference conditions.

Prior to the introduction of metric measurement in Australia, the standard reference conditions for petroleum measurement were atmospheric pressure and 60°F. When the oil and gas industries were converted to metric measurement, it was agreed that the standard reference conditions for measurement should be those in ISO 5024—1976.

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