

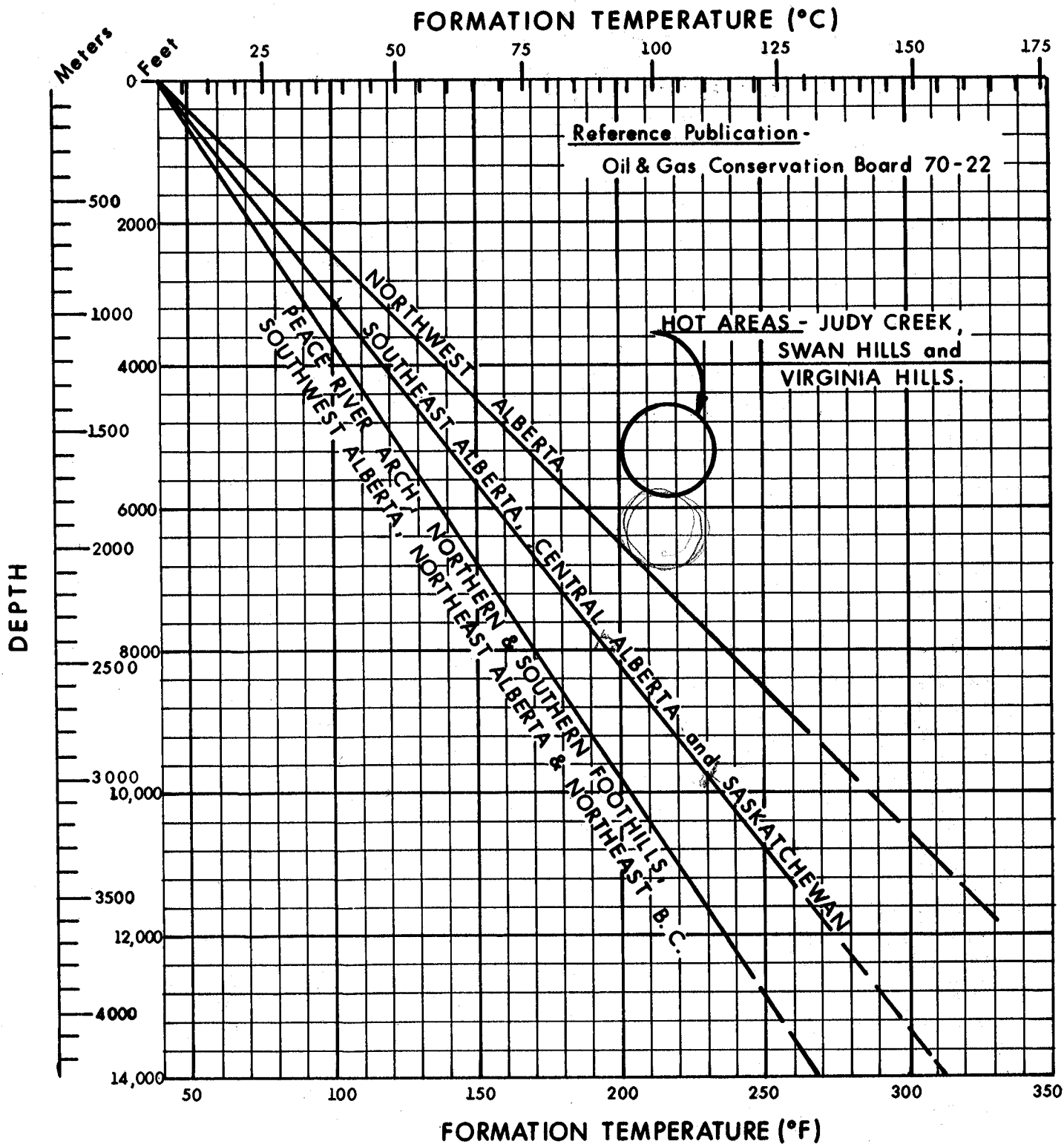
**LOG INTERPRETATION CHARTS
FOR
WESTERN CANADA RESERVOIRS**

**PROFESSIONAL LOG EVALUATION LTD.
1978
FIRST REVISION**

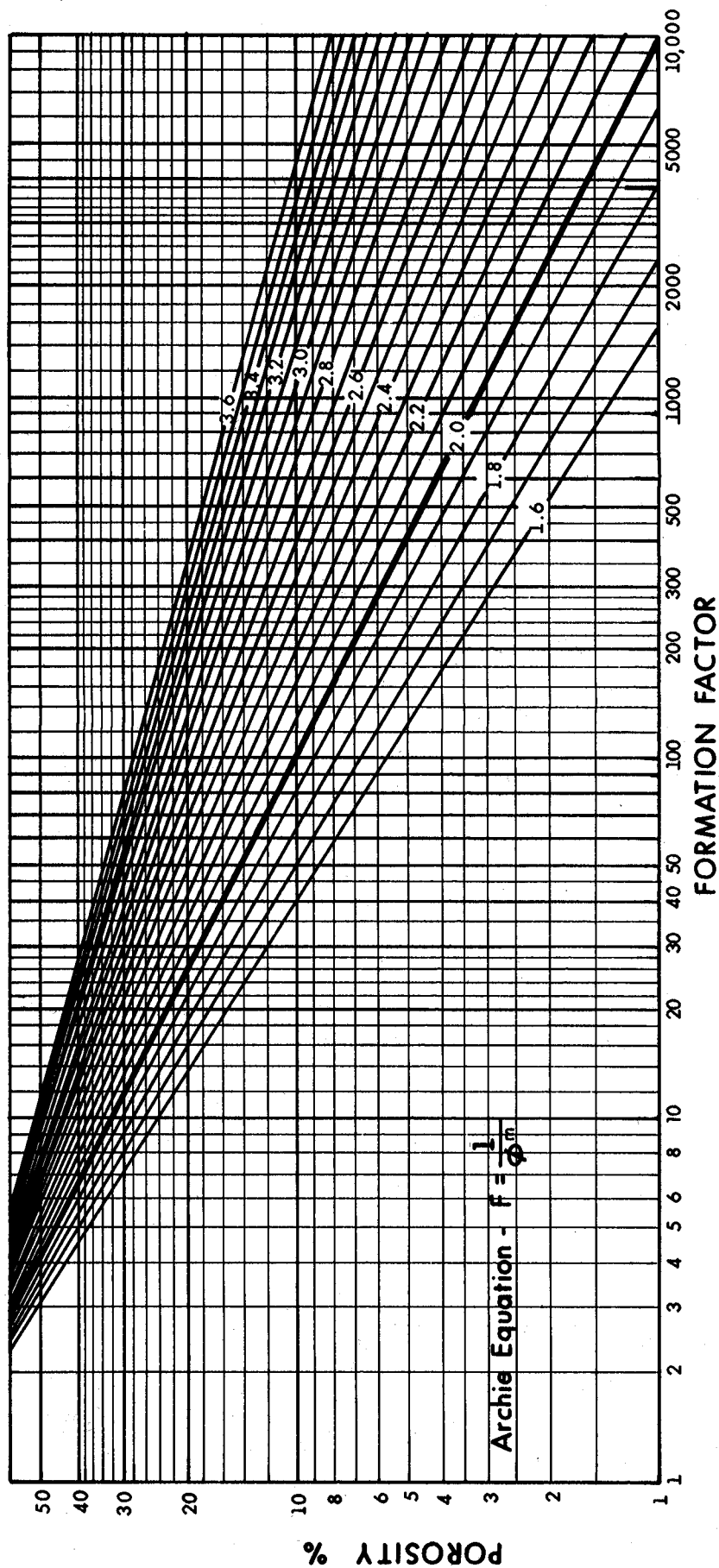
LOG INTERPRETATION CHARTS FOR WESTERN CANADA RESERVOIRS

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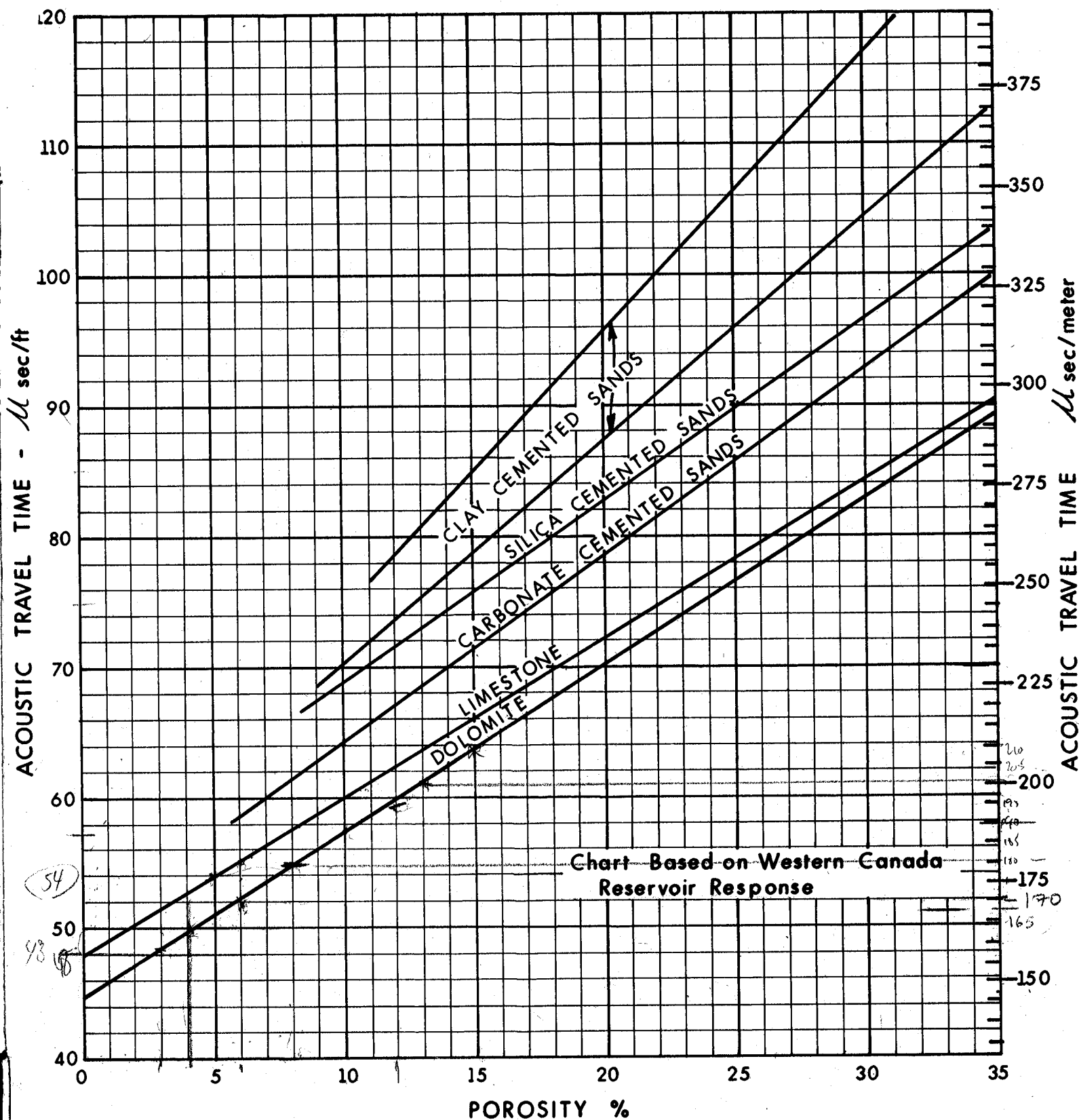
FORMATION TEMPERATURE versus DEPTH
WESTERN CANADA



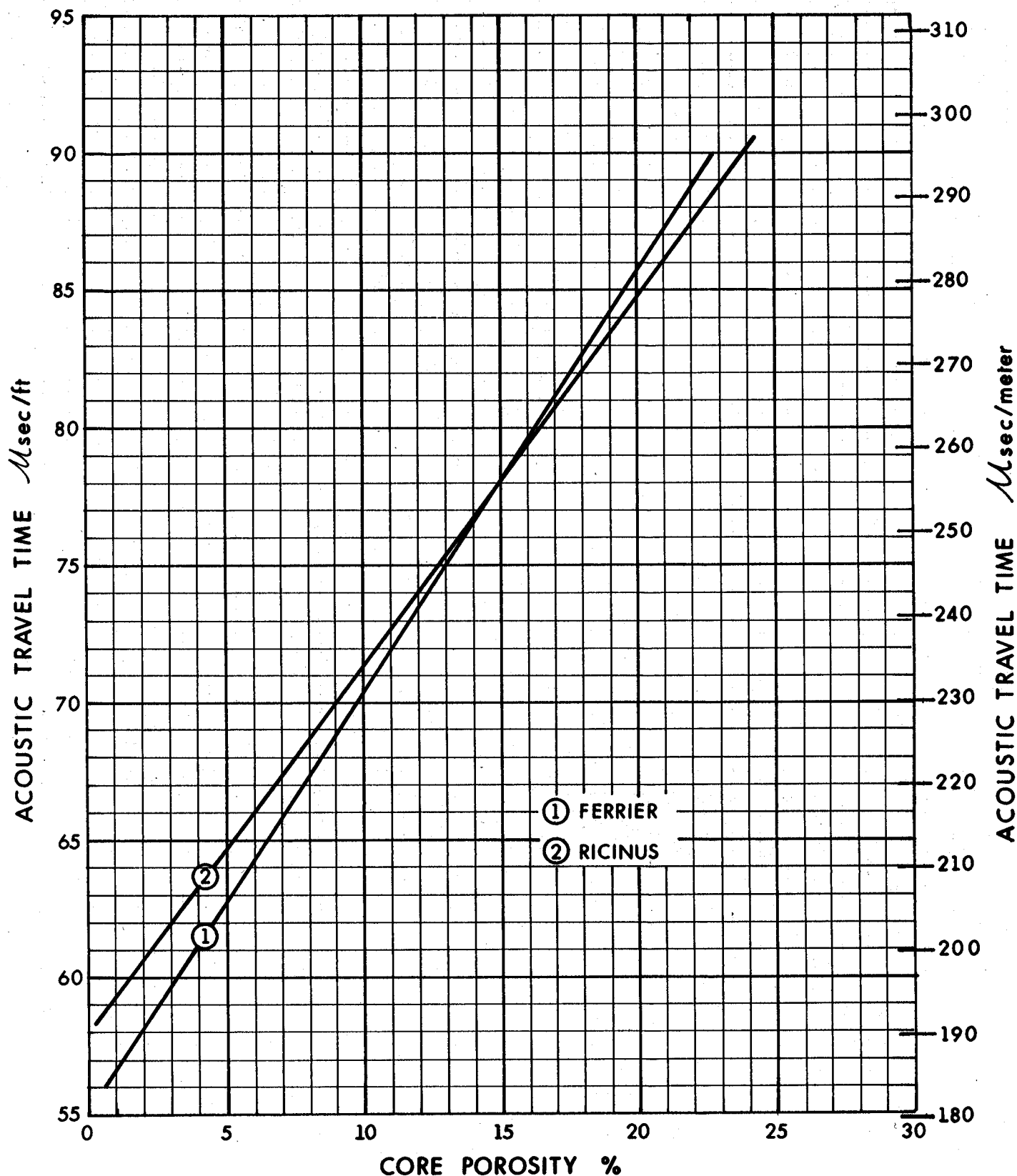
Recommended Values of "m" For Western Canada Reservoirs

Sandstones —	consolidated.....	2.0
	unconsolidated.....	1.8
Limestones —	at 5000'	2.0
	6000'	2.1
	>8000'	2.2
Dolomites —	at 5000'	2.0
	7000'	2.2
	9000'	2.4
	11,000'	2.8
	13,000'	3.0

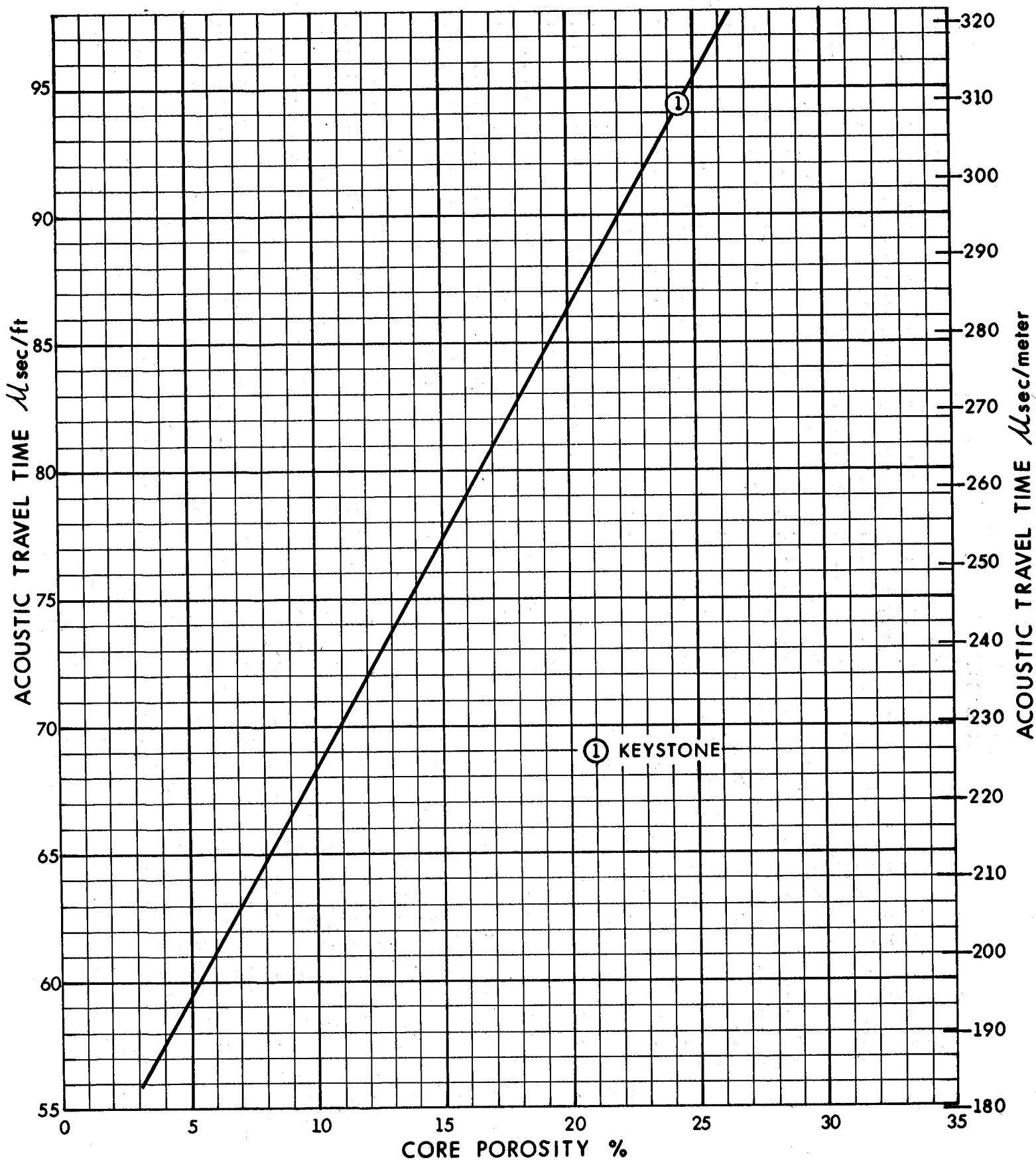
POROSITY versus FORMATION FACTOR



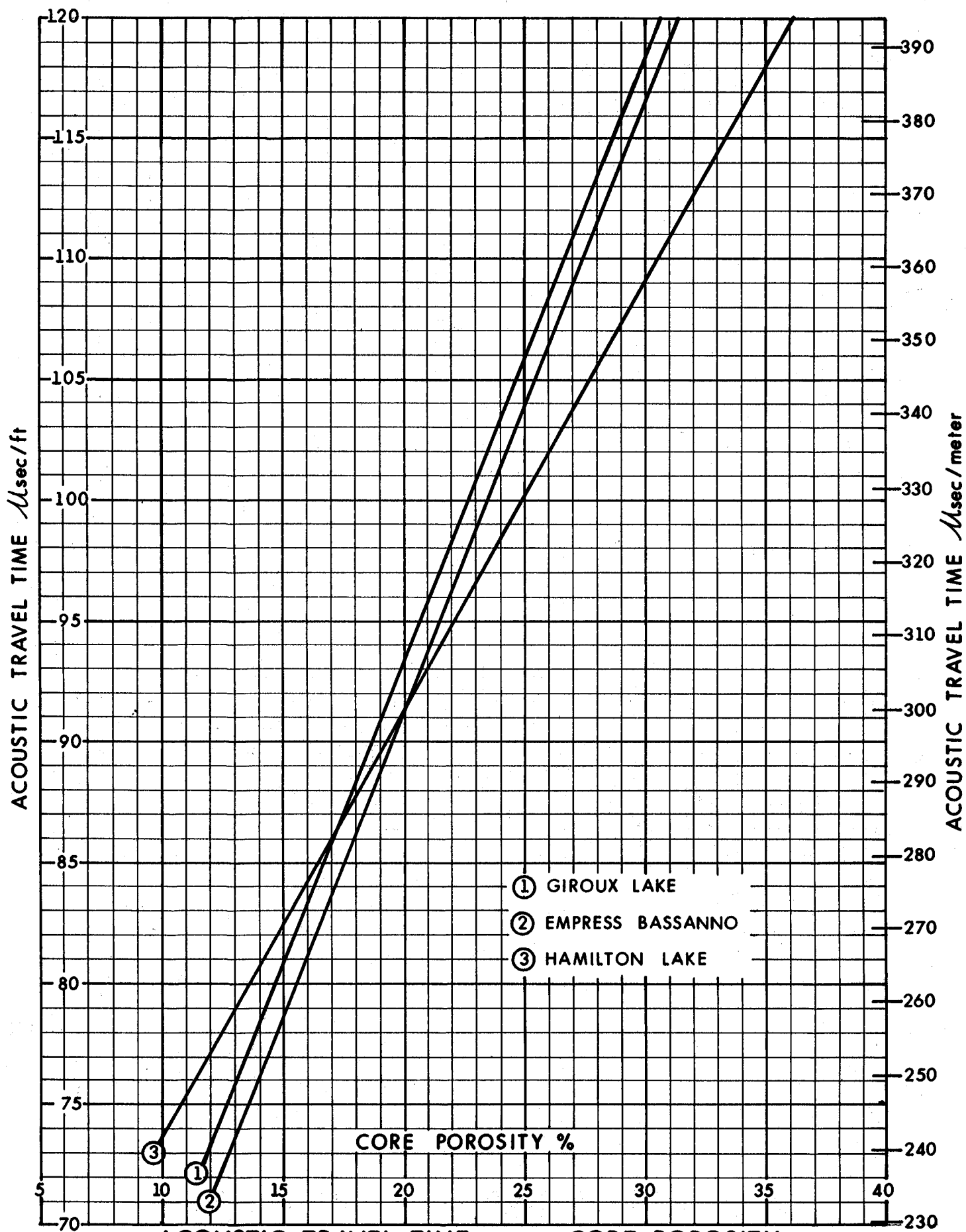
ACOUSTIC TRAVEL TIME versus POROSITY
WESTERN CANADA RESERVOIRS - ALL ROCK TYPES



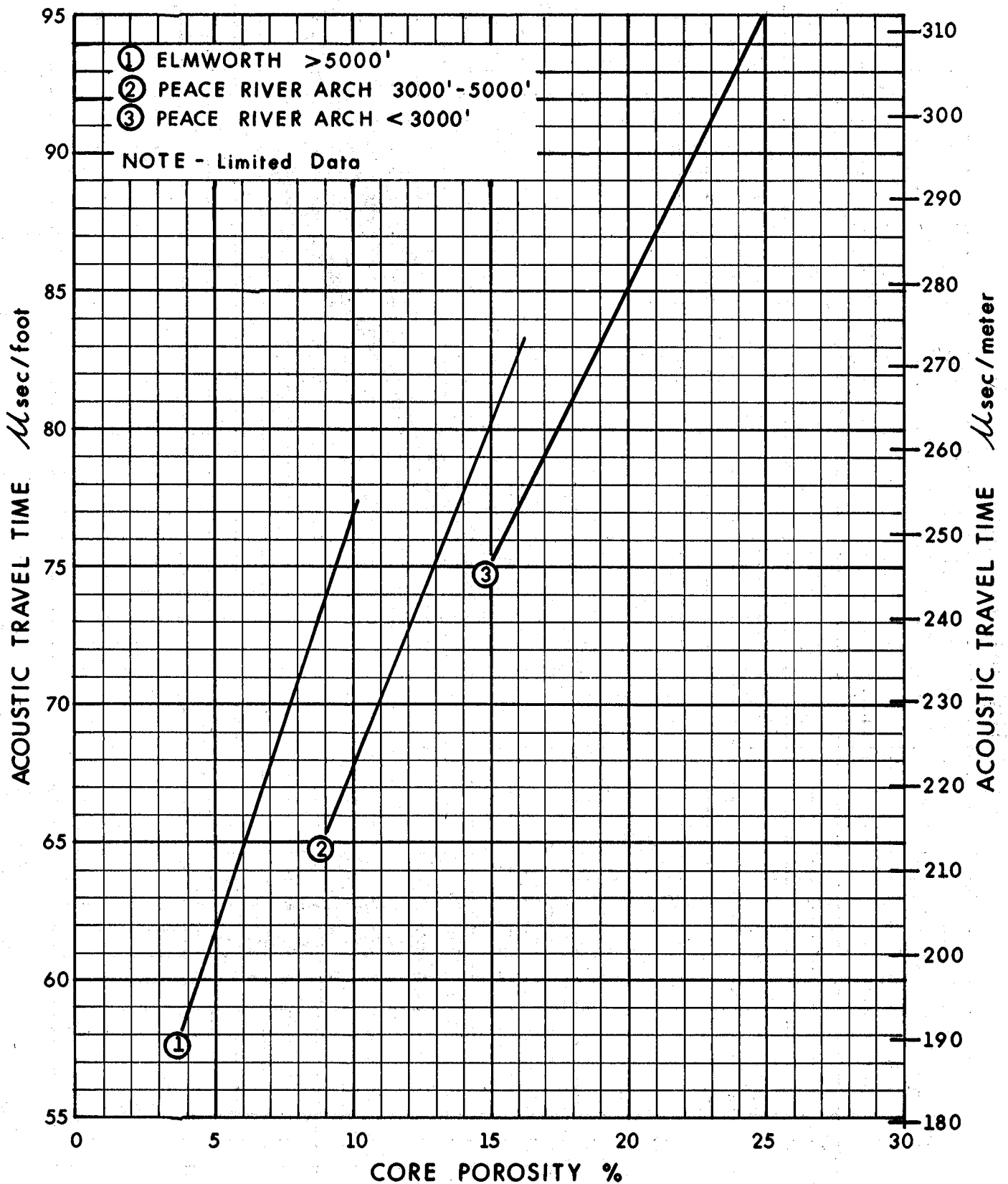
ACOUSTIC TRAVEL TIME versus CORE POROSITY
CARDIUM SANDSTONES



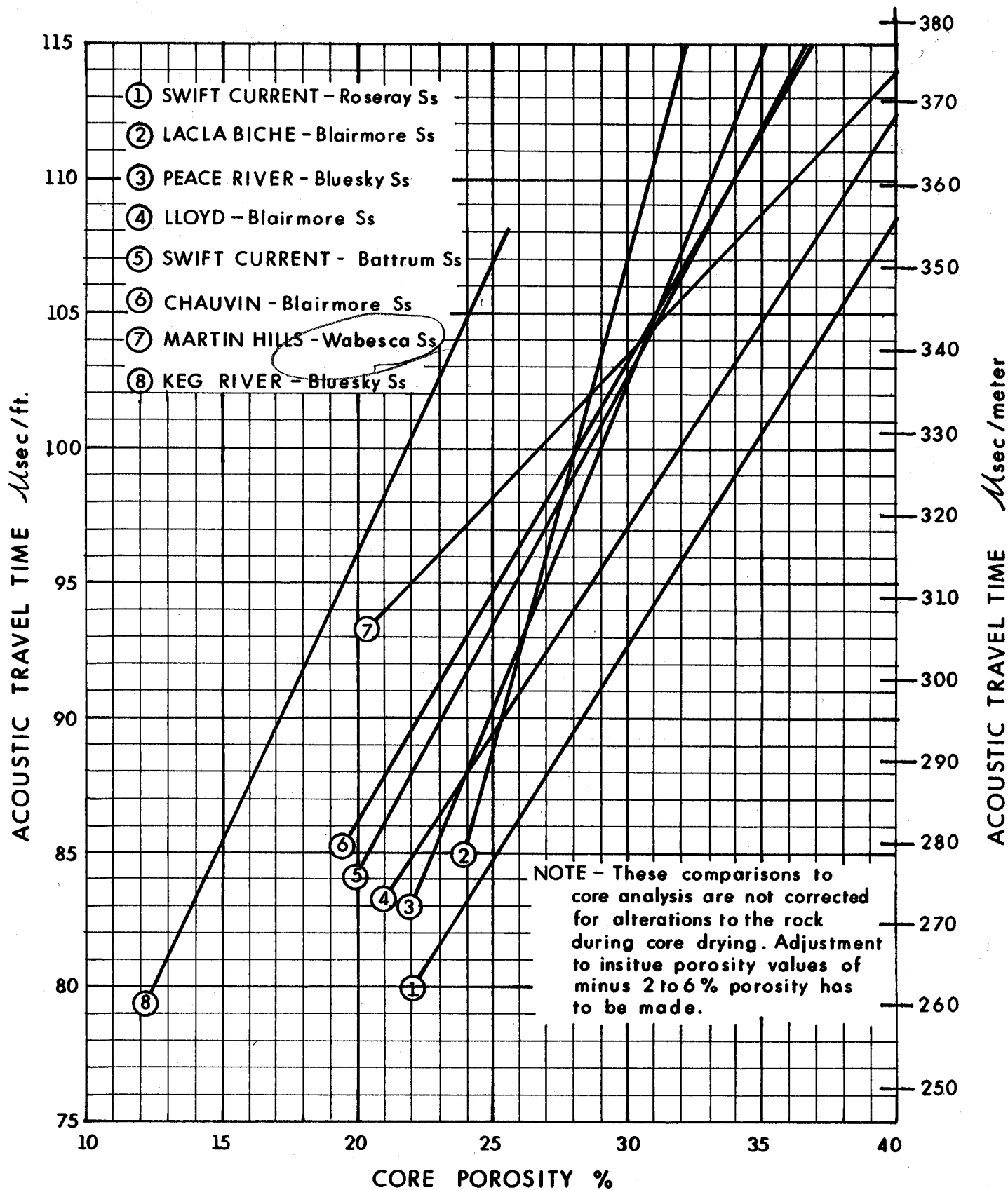
ACOUSTIC TRAVEL TIME versus CORE POROSITY
BELLY RIVER SANDSTONES



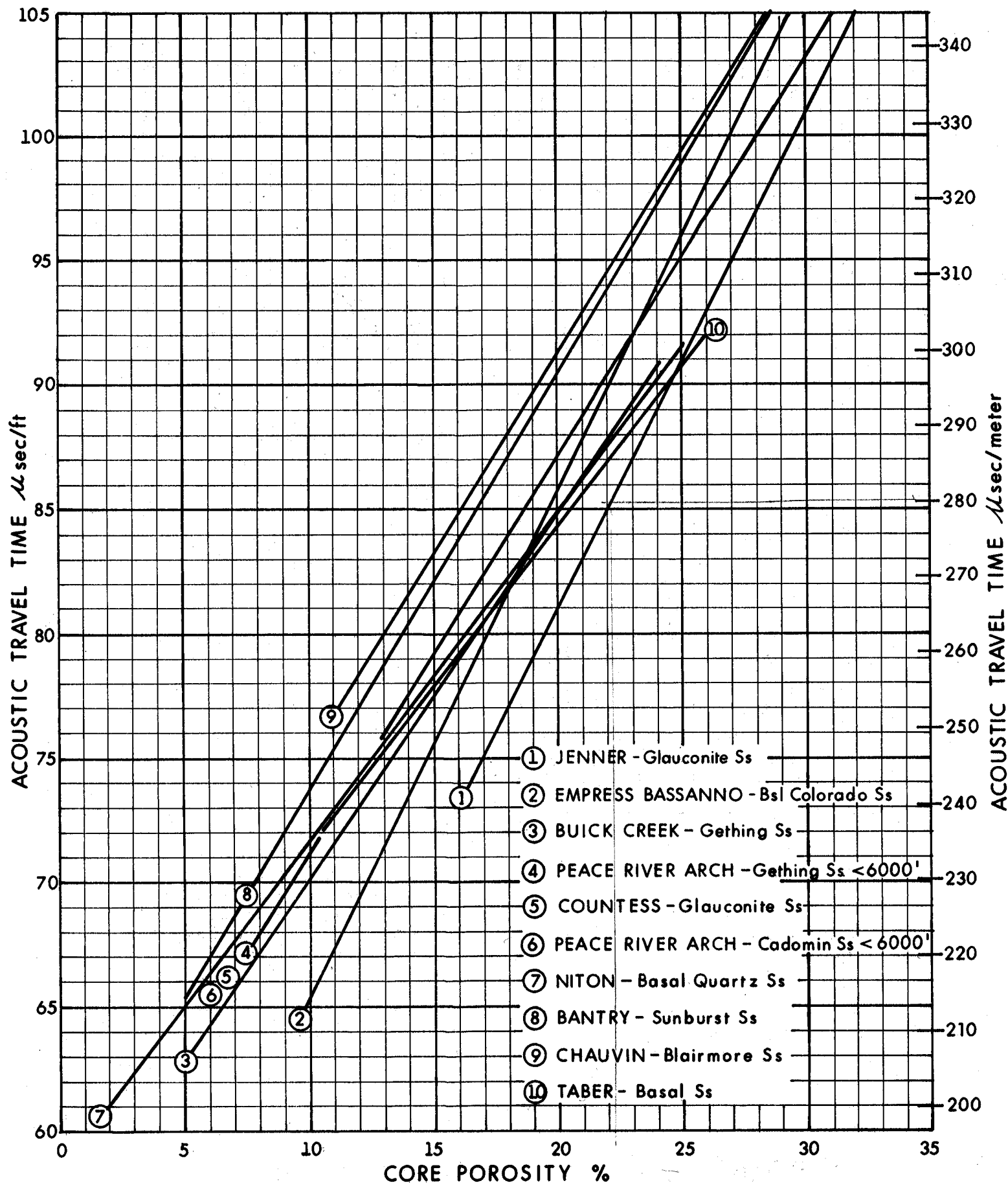
ACOUSTIC TRAVEL TIME versus CORE POROSITY
VIKING SANDSTONES



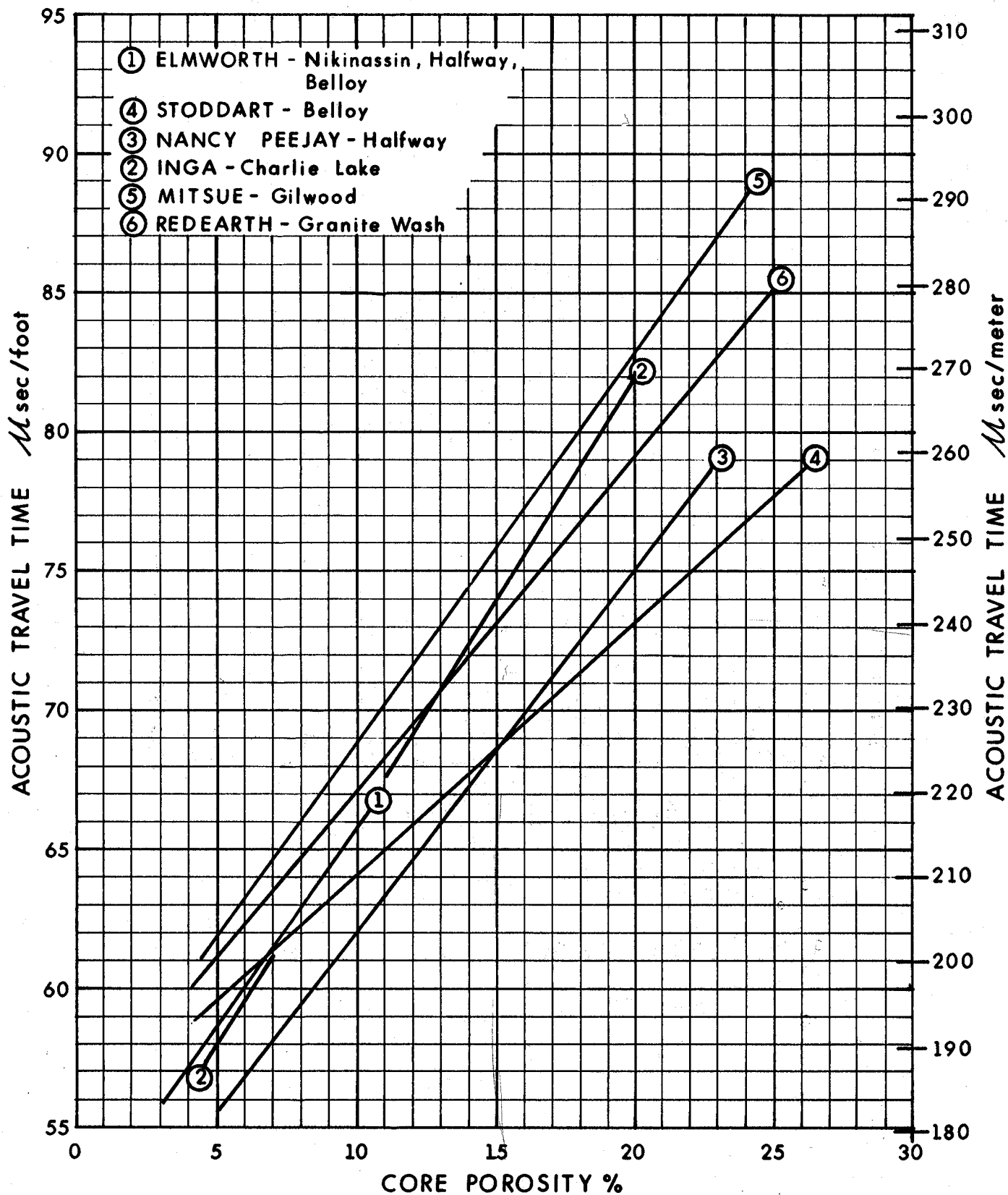
ACOUSTIC TRAVEL TIME versus CORE POROSITY
CADOTTE SANDSTONE



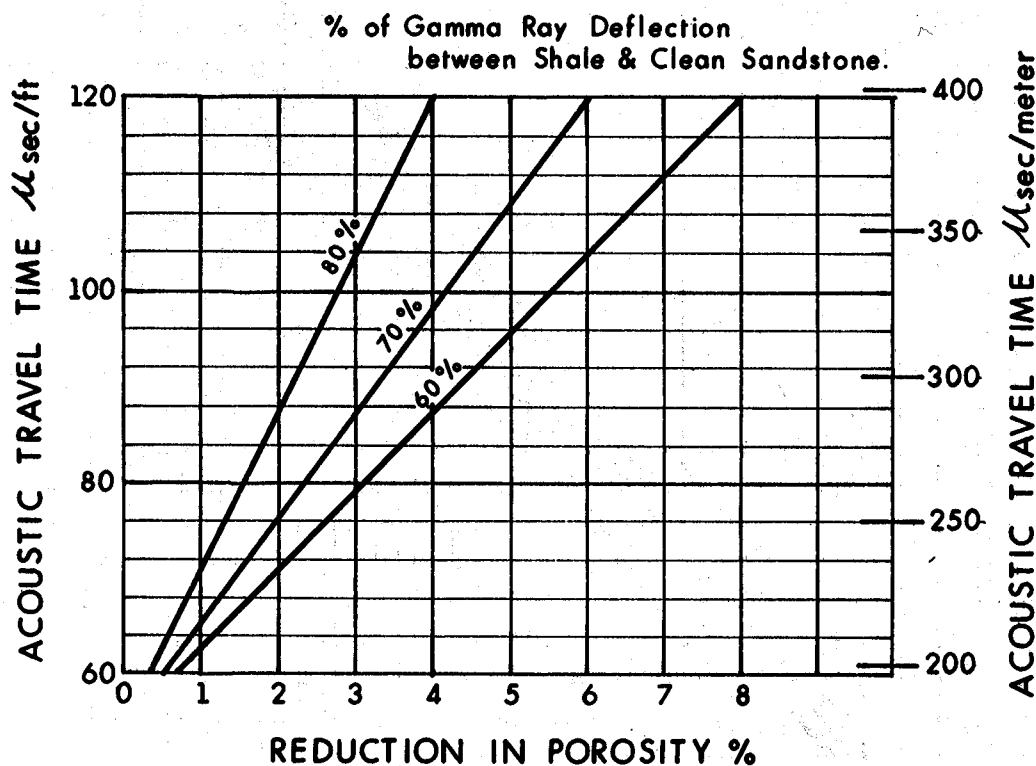
ACOUSTIC TRAVEL TIME versus CORE POROSITY
BLAIRMORE SANDS - UNCONSOLIDATED



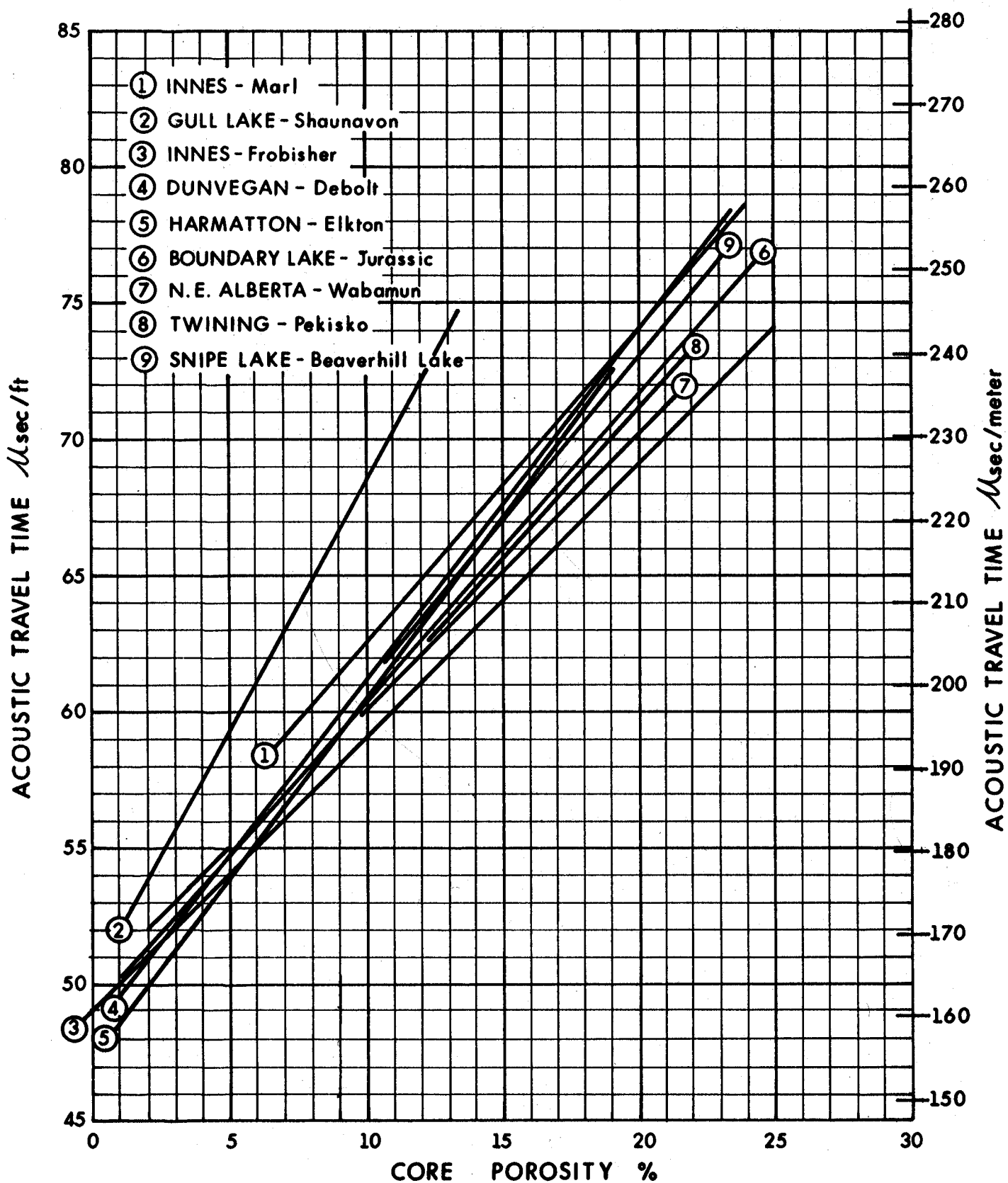
ACOUSTIC TRAVEL TIME versus CORE POROSITY
BLAIRMORE SANDS - CONSOLIDATED



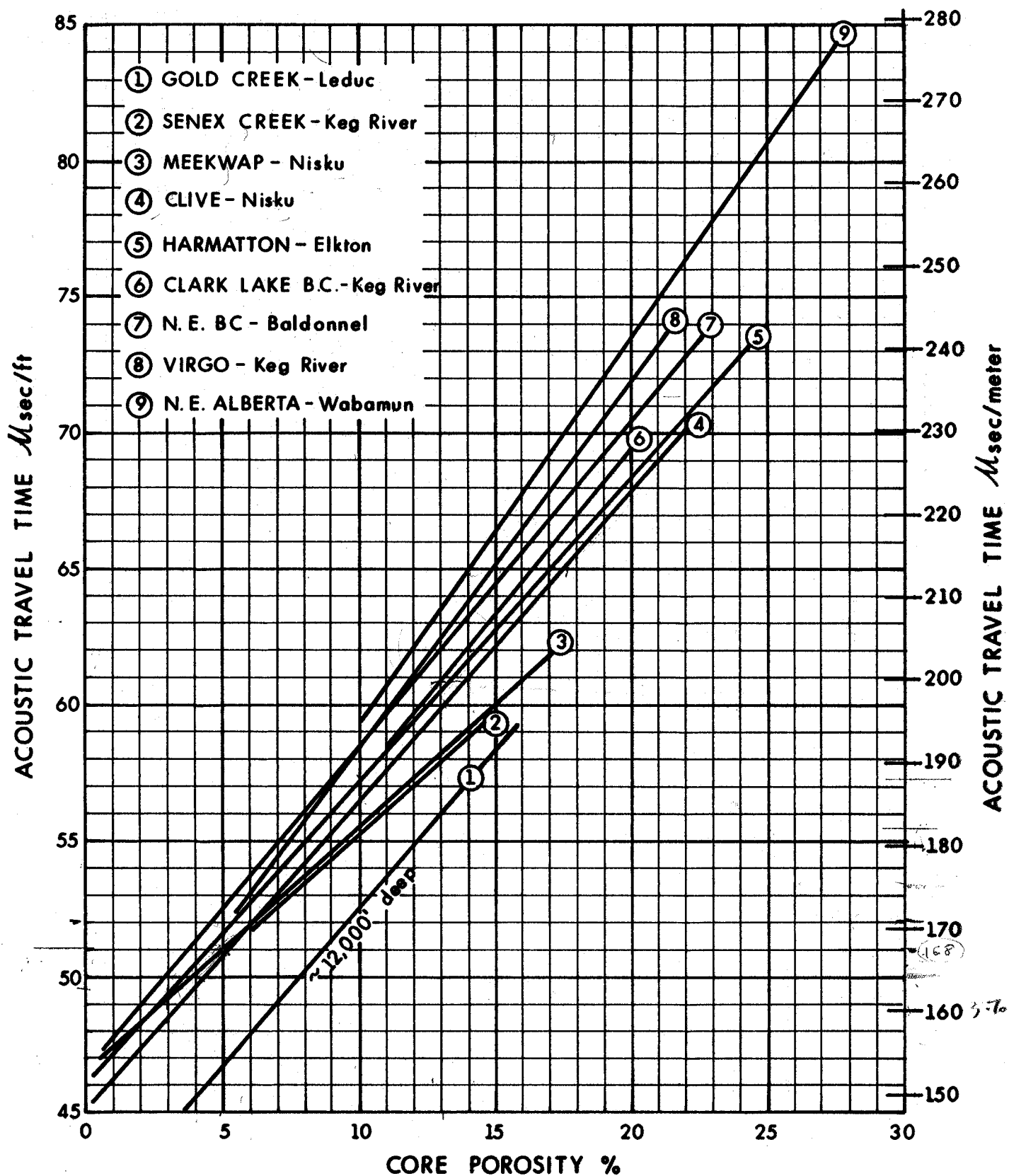
ACOUSTIC TRAVEL TIME versus CORE POROSITY
PRE CRETACEOUS SANDSTONES



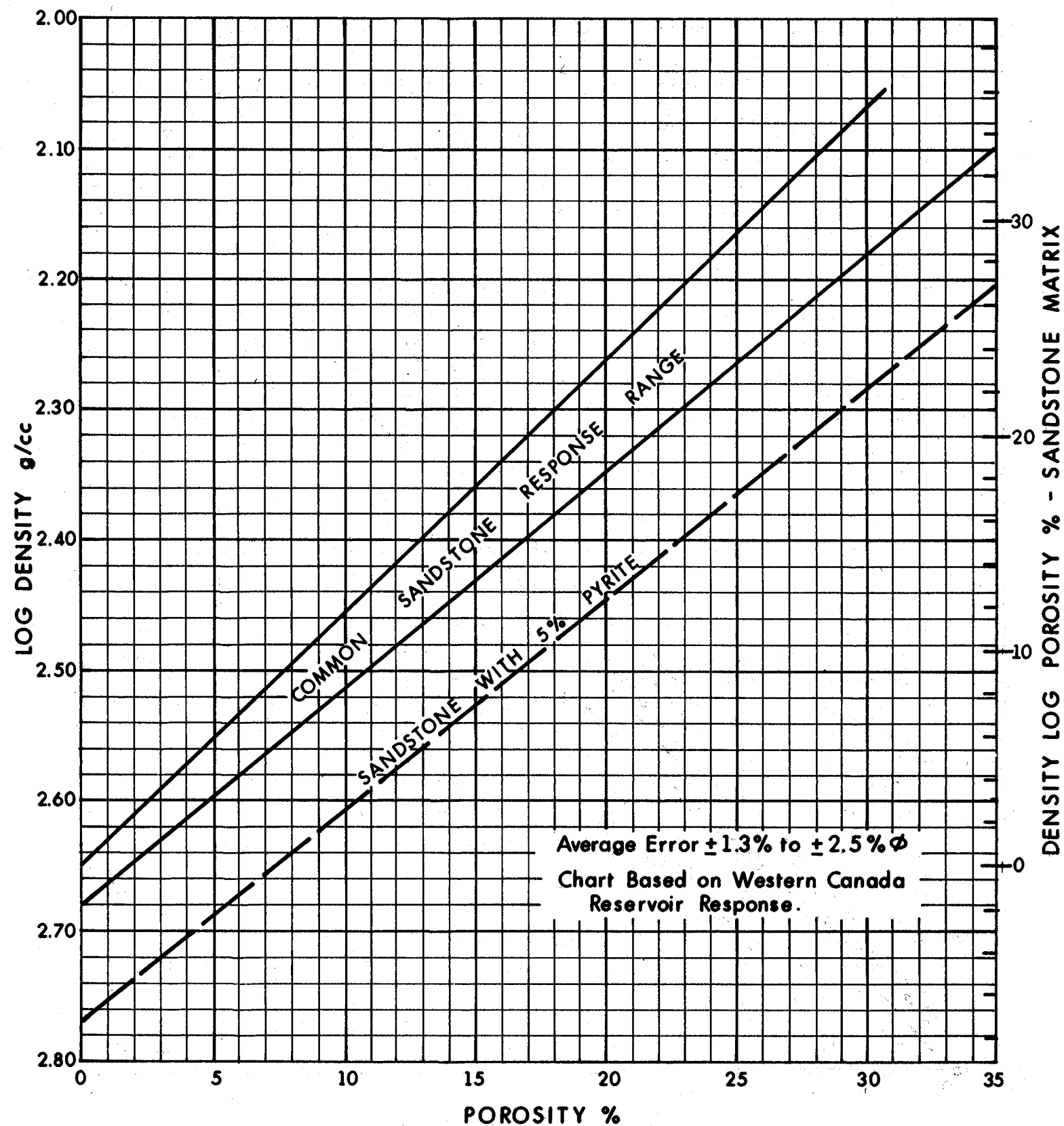
**SHALINESS CORRECTION
to
ACOUSTIC TRAVEL TIME VALUES
in
SANDSTONE RESERVOIRS**



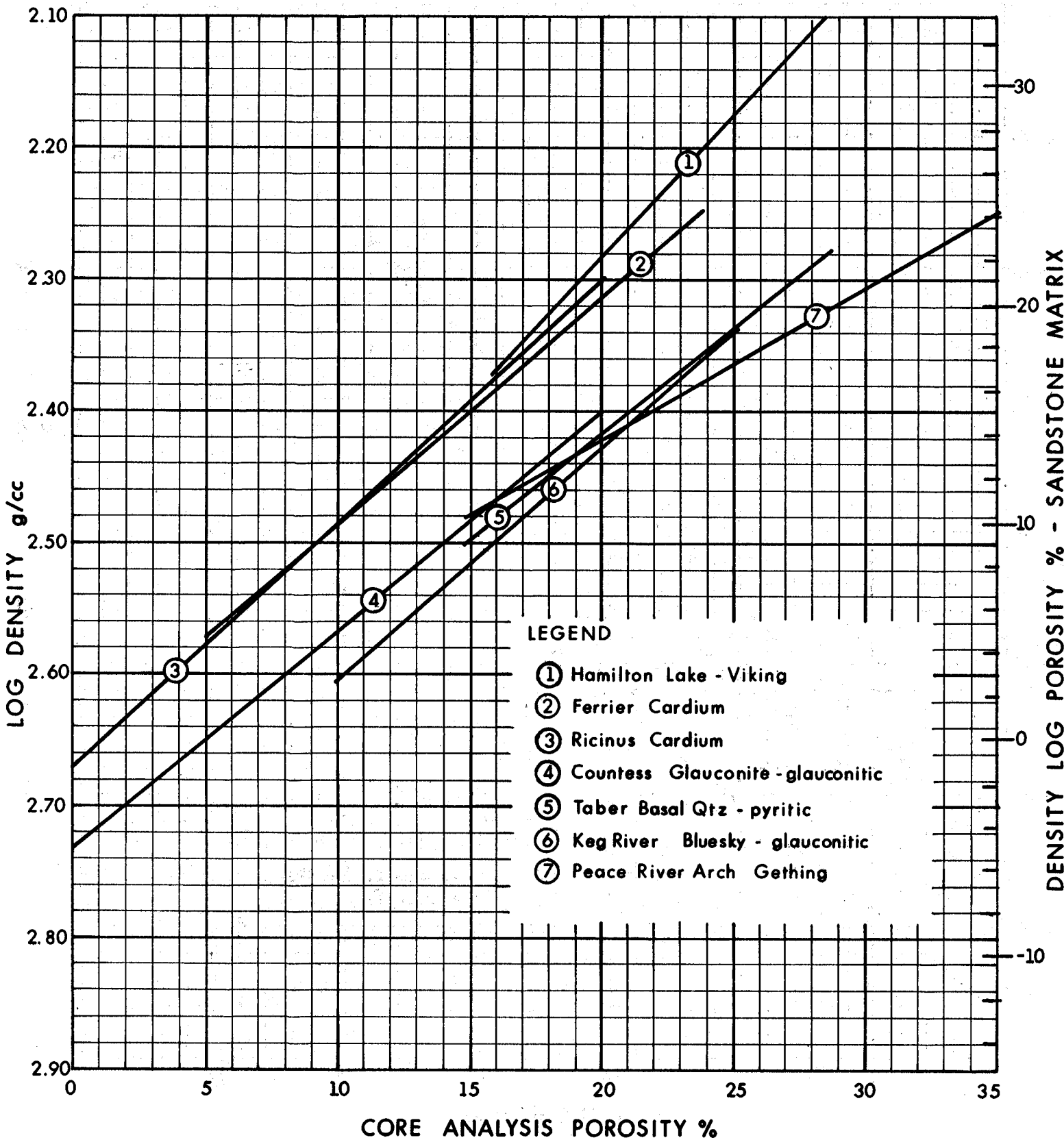
ACOUSTIC TRAVEL TIME versus CORE POROSITY
WESTERN CANADA LIMESTONES



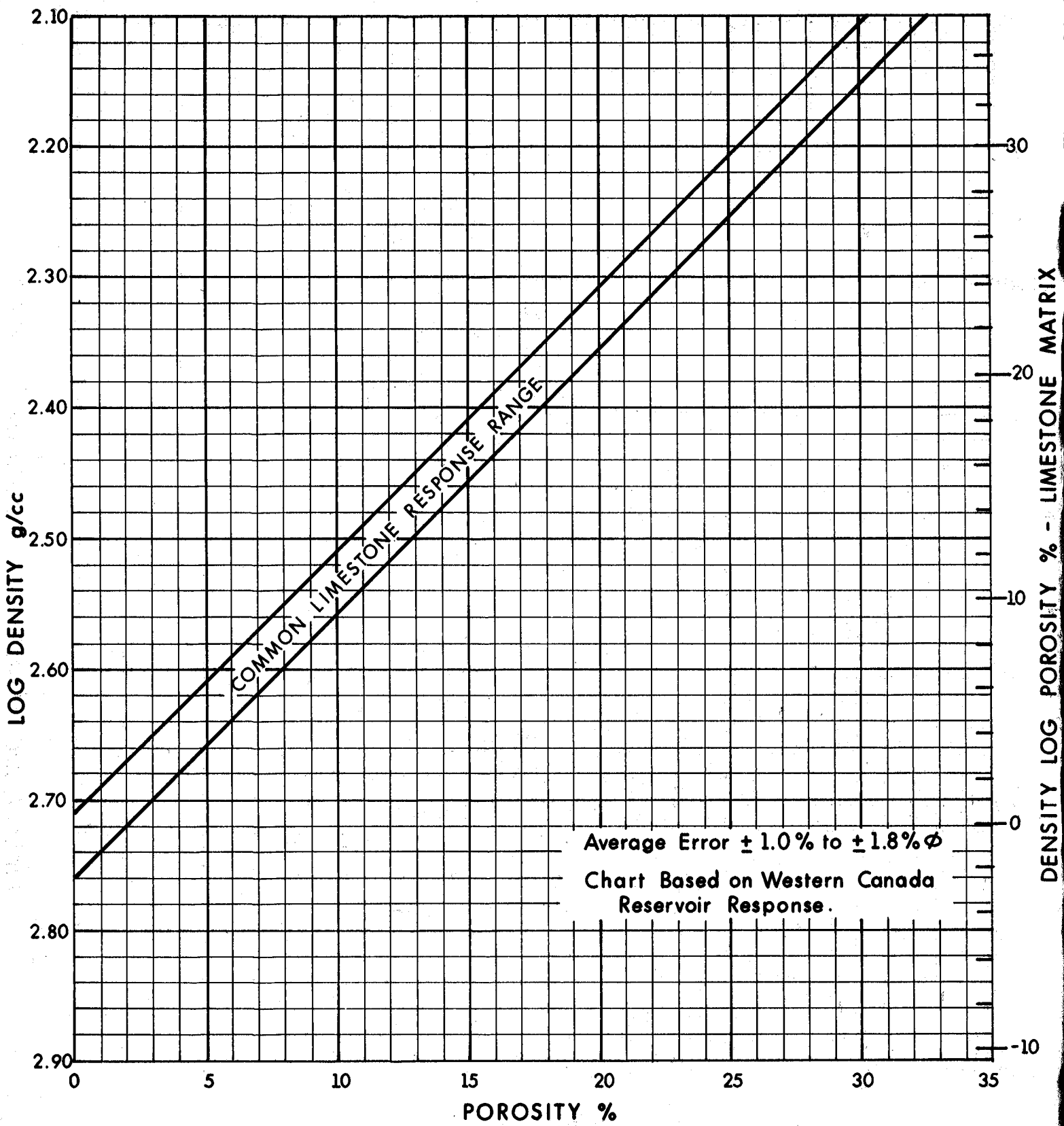
ACOUSTIC TRAVEL TIME versus CORE POROSITY
WESTERN CANADA DOLOMITES



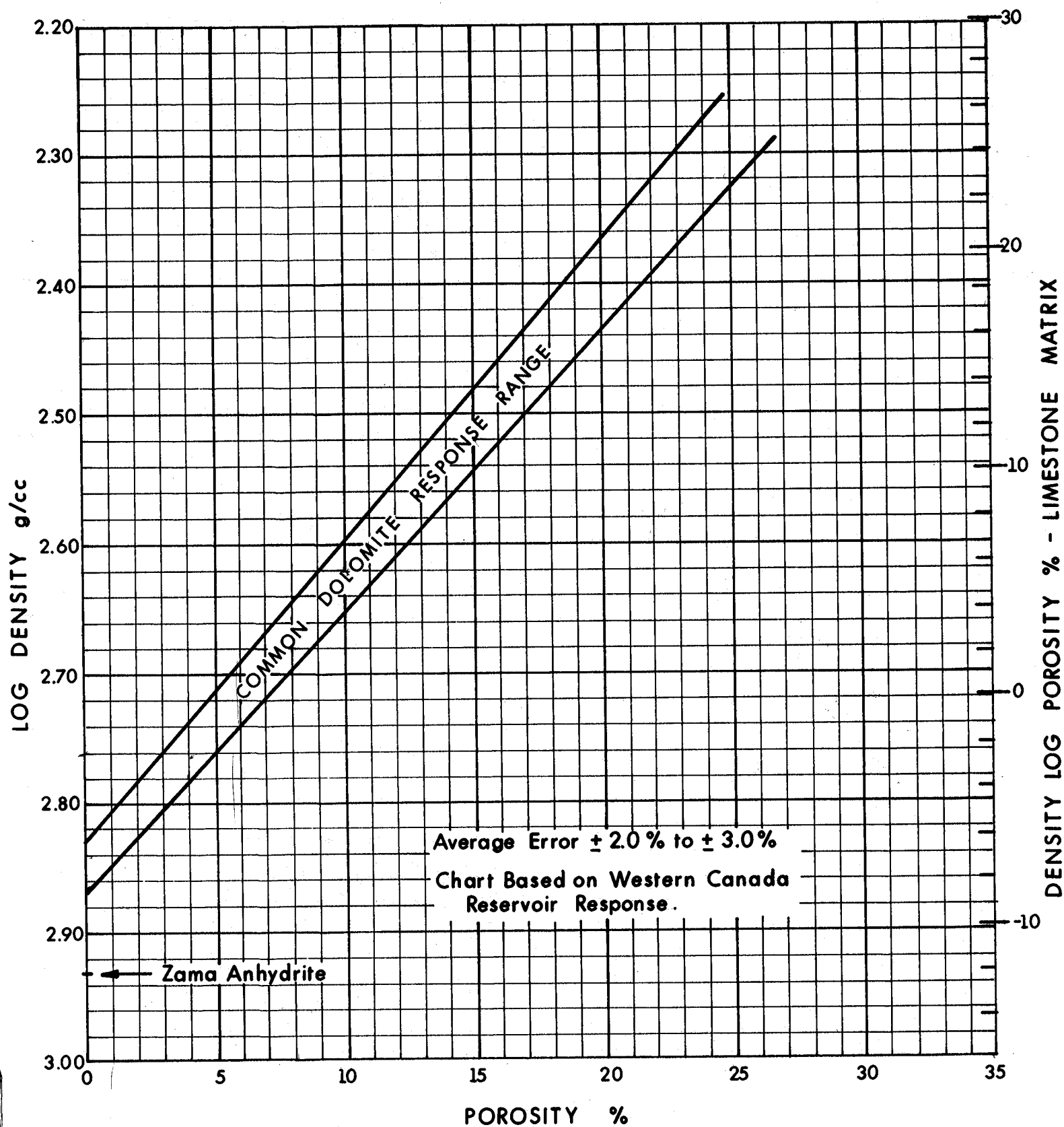
LOG DENSITY versus POROSITY SANDSTONE



LOG DENSITY versus CORE POROSITY
WESTERN CANADA SANDSTONES

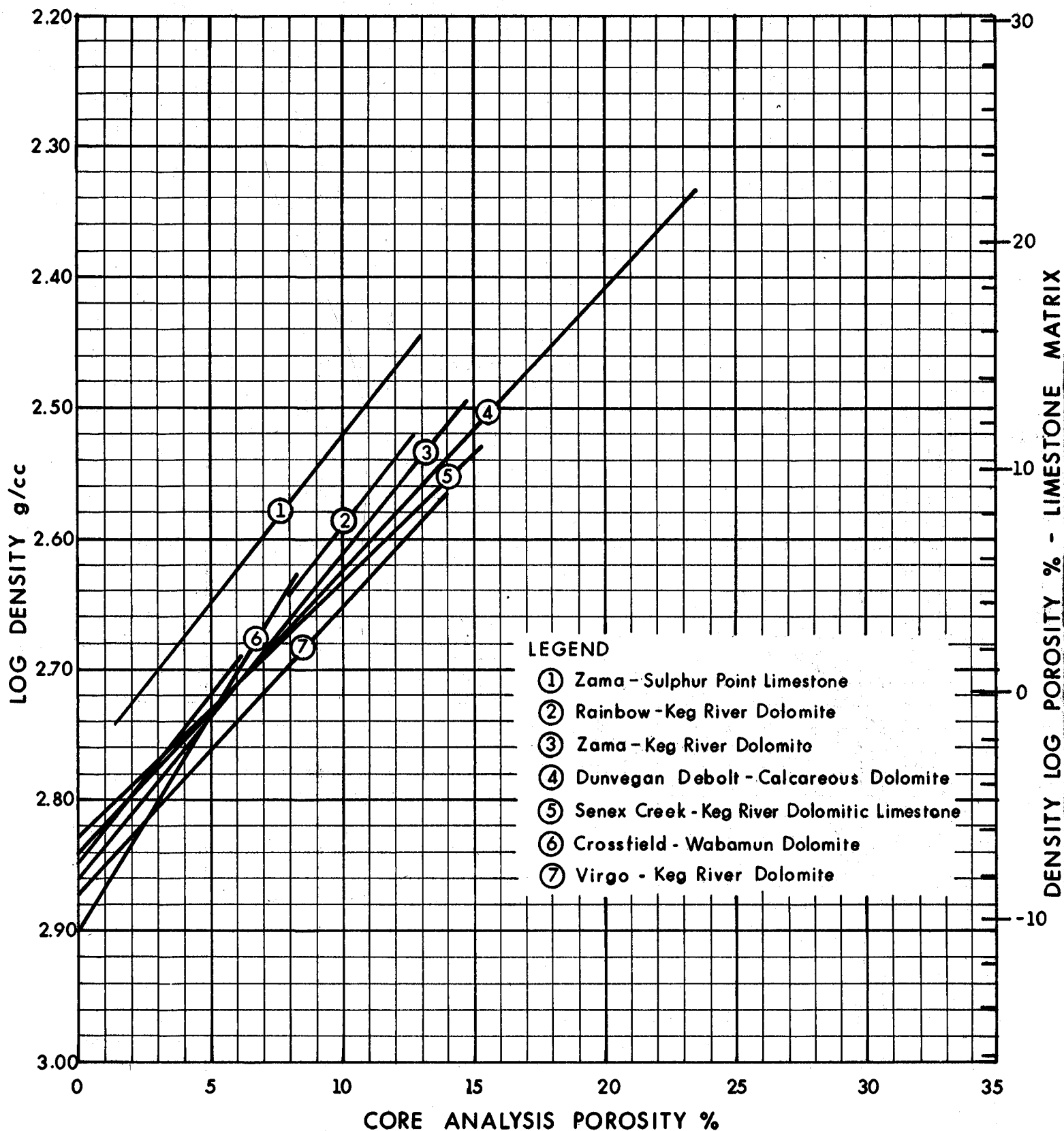


LOG DENSITY versus POROSITY
LIMESTONE

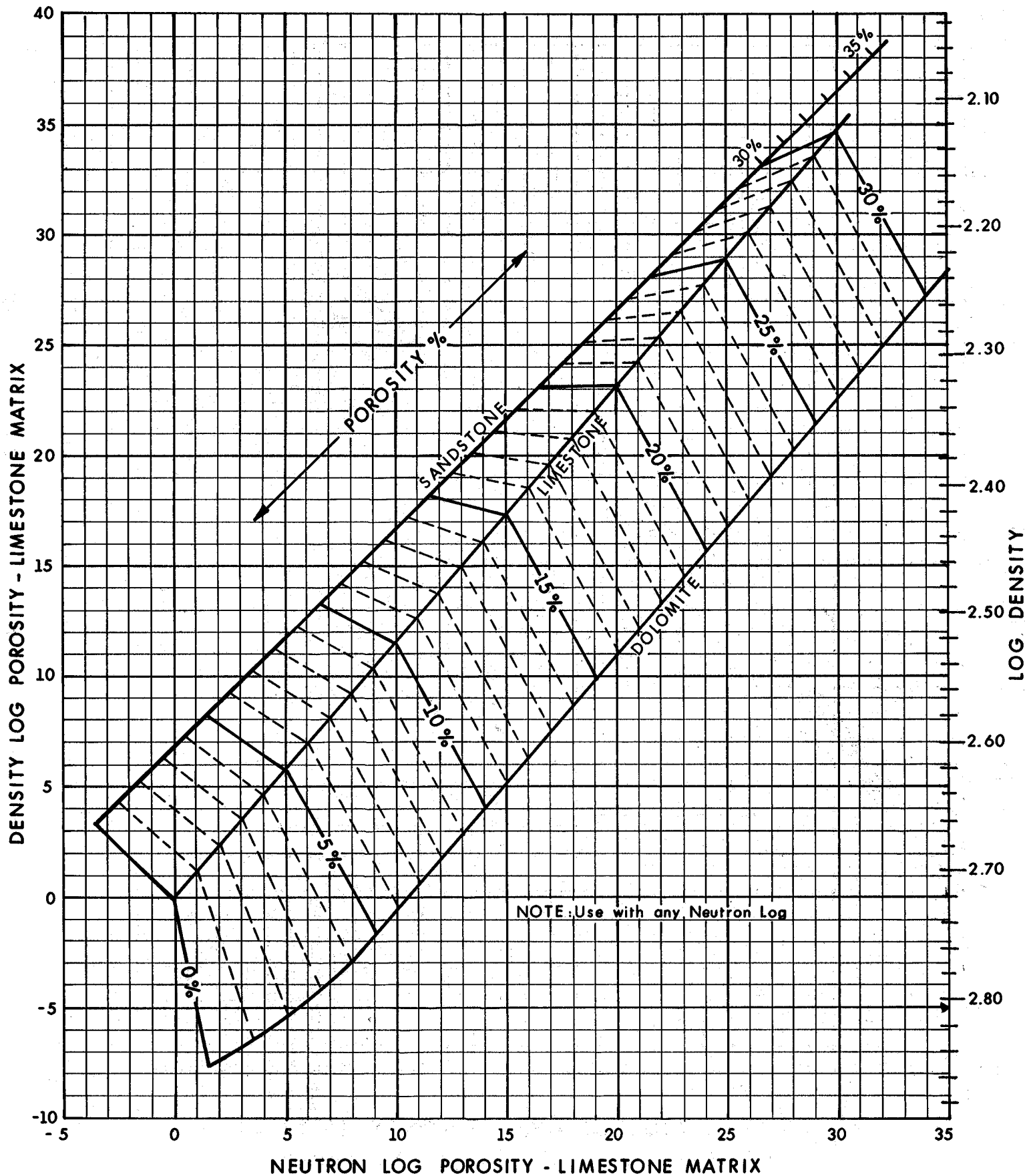


LOG DENSITY versus POROSITY

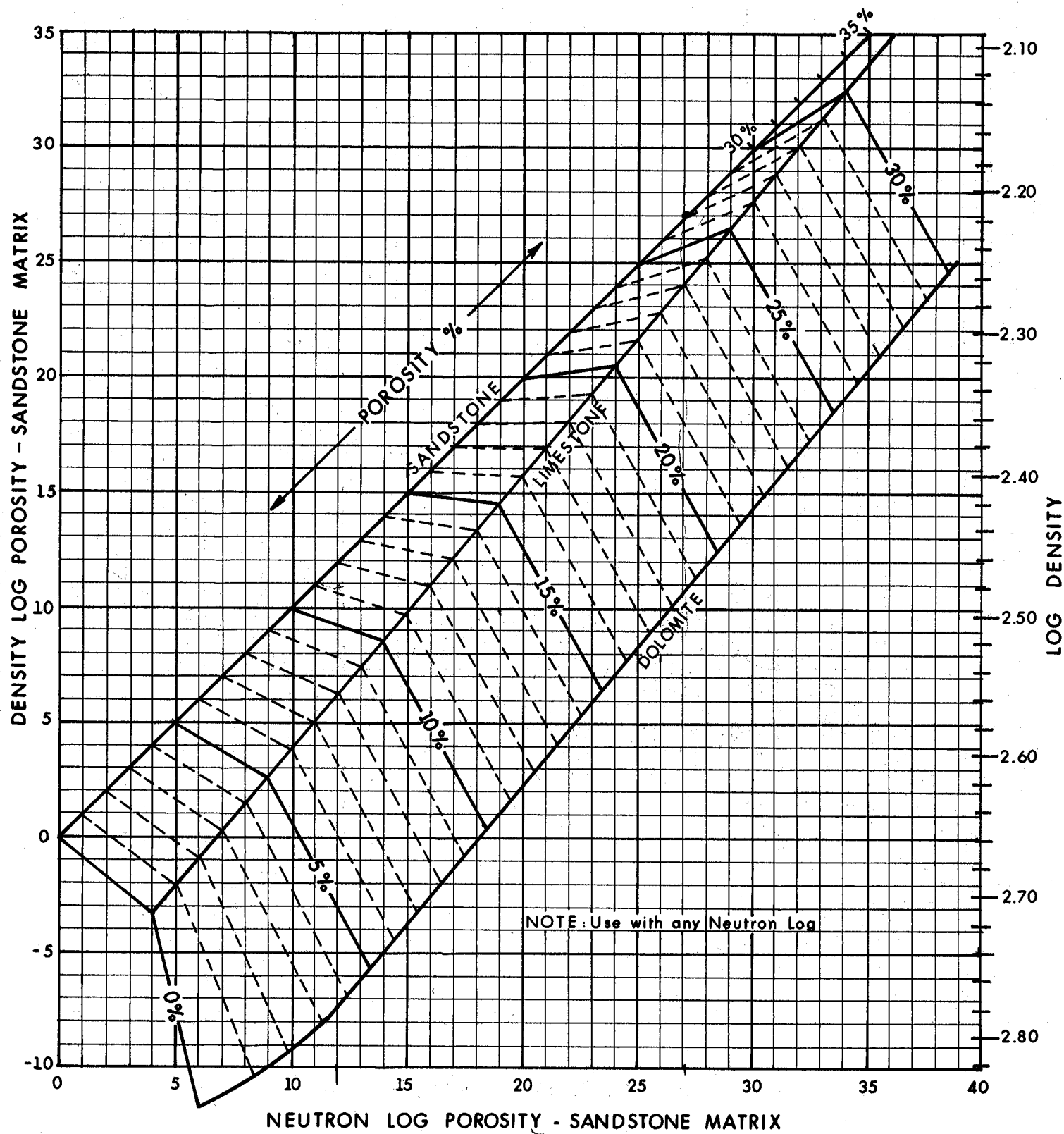
DOLOMITE



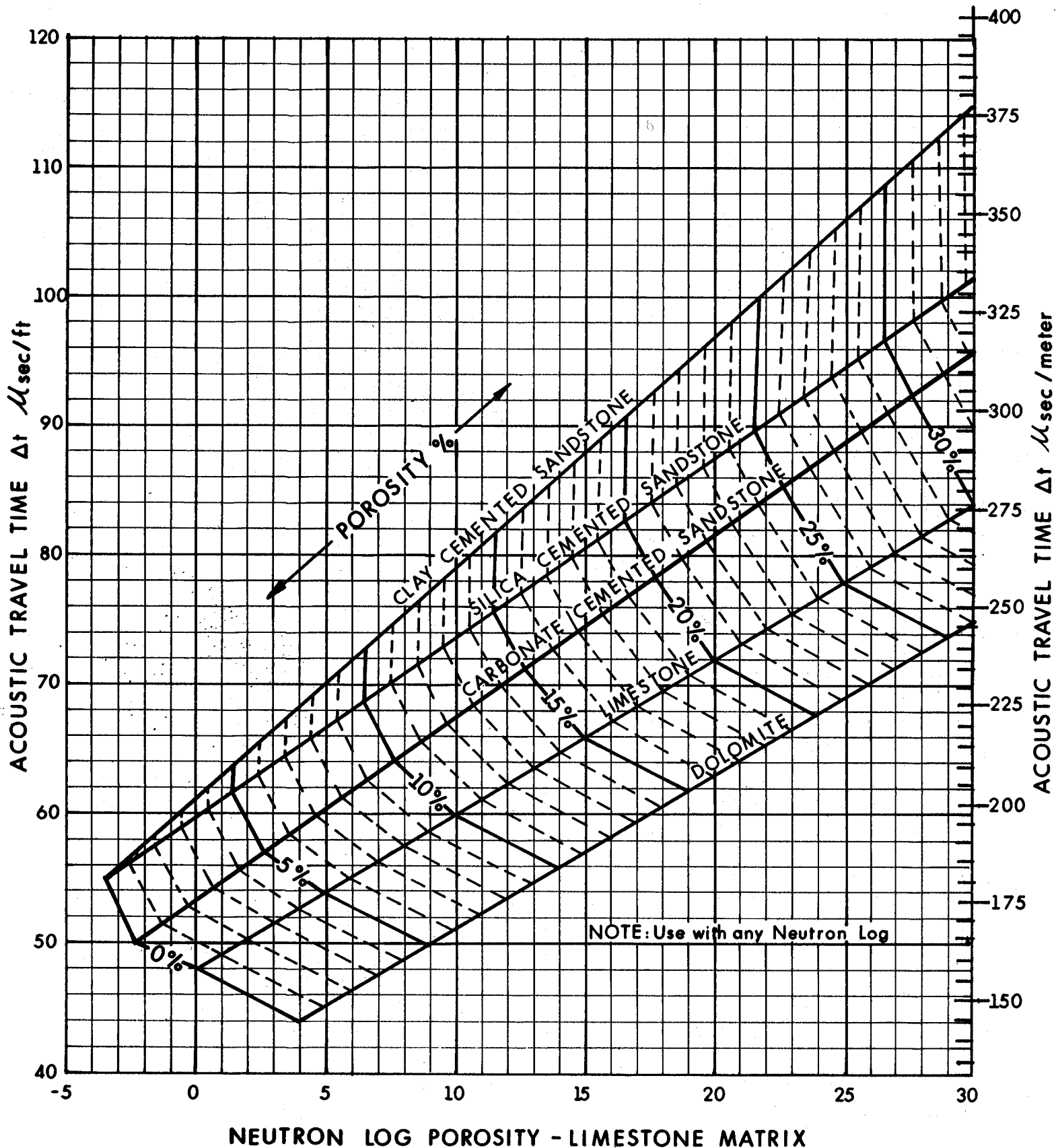
LOG DENSITY versus CORE POROSITY
WESTERN CANADA CARBONATES



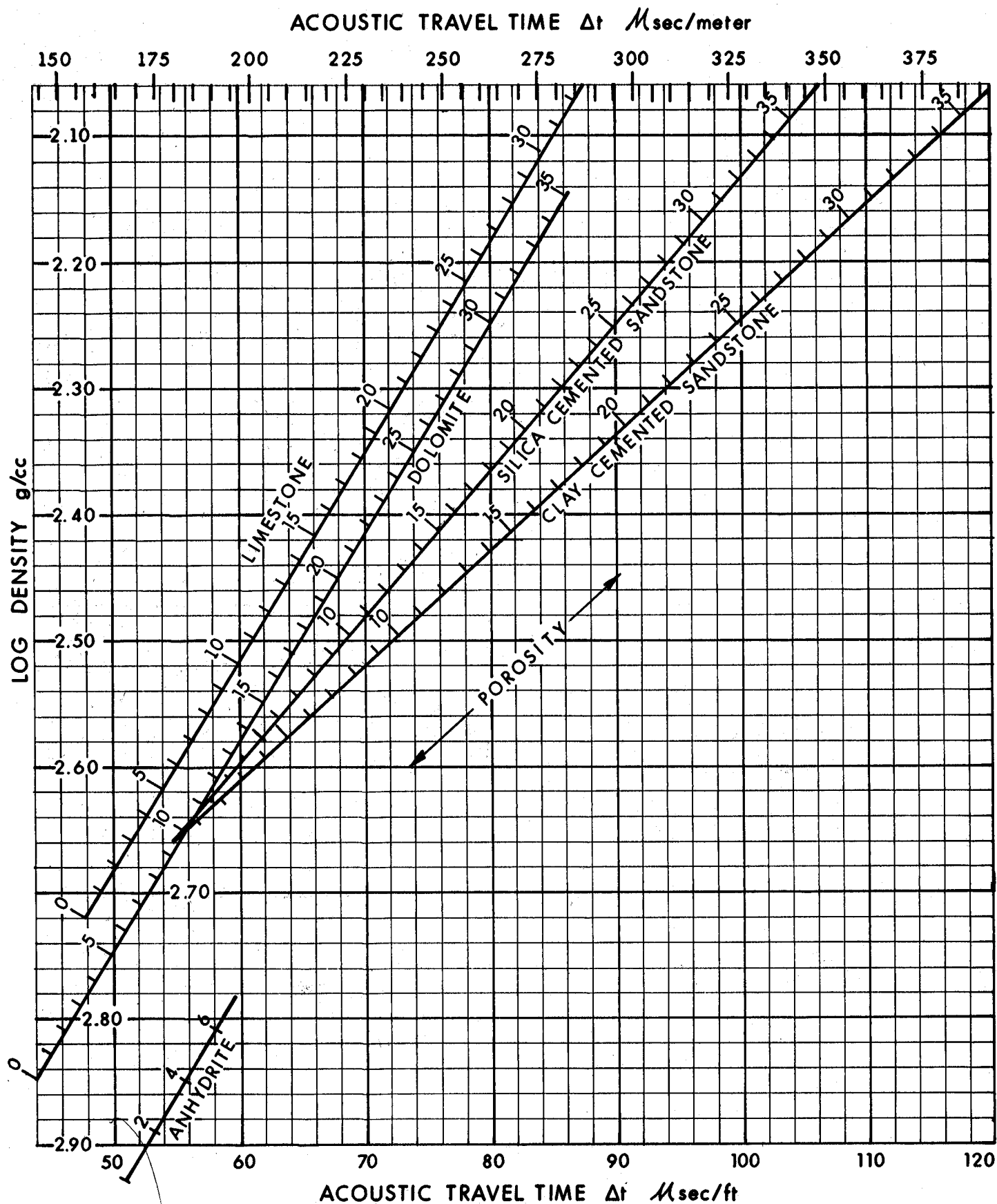
NEUTRON POROSITY versus DENSITY POROSITY
LIMESTONE MATRIX



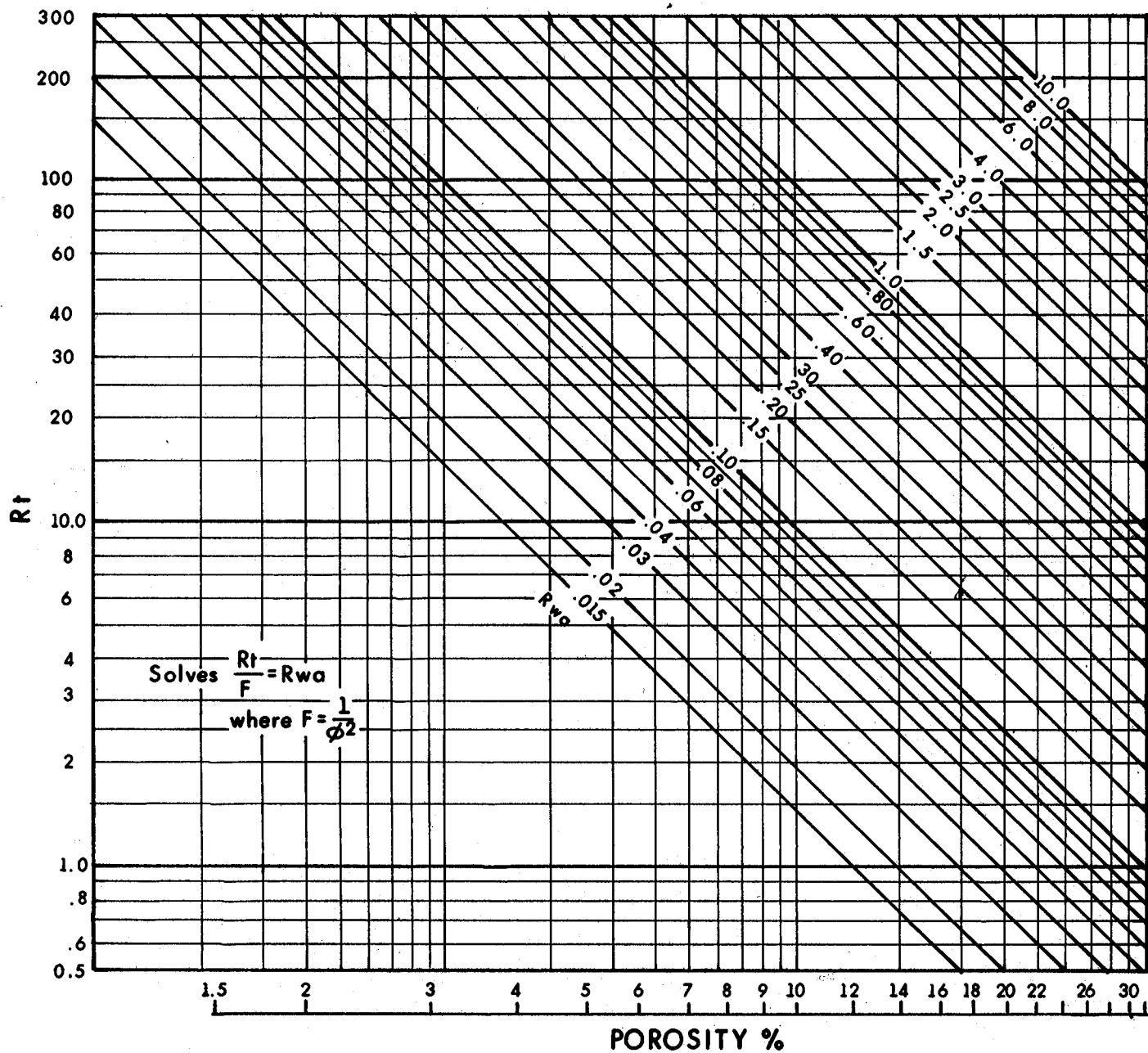
NEUTRON POROSITY versus DENSITY POROSITY
SANDSTONE MATRIX



NEUTRON POROSITY versus ACOUSTIC TRAVEL TIME
LIMESTONE MATRIX



ACOUSTIC TRAVEL TIME versus LOG DENSITY



CALCULATION of Rwa

2.2

CALCULATION of Sw from Rwa

