

SEMI-LOGARITHMIC 46 5490  
3 CYCLES X 70 DIVISIONS  
MADE IN U. S. A.  
KEUFFEL & ESSER CO.

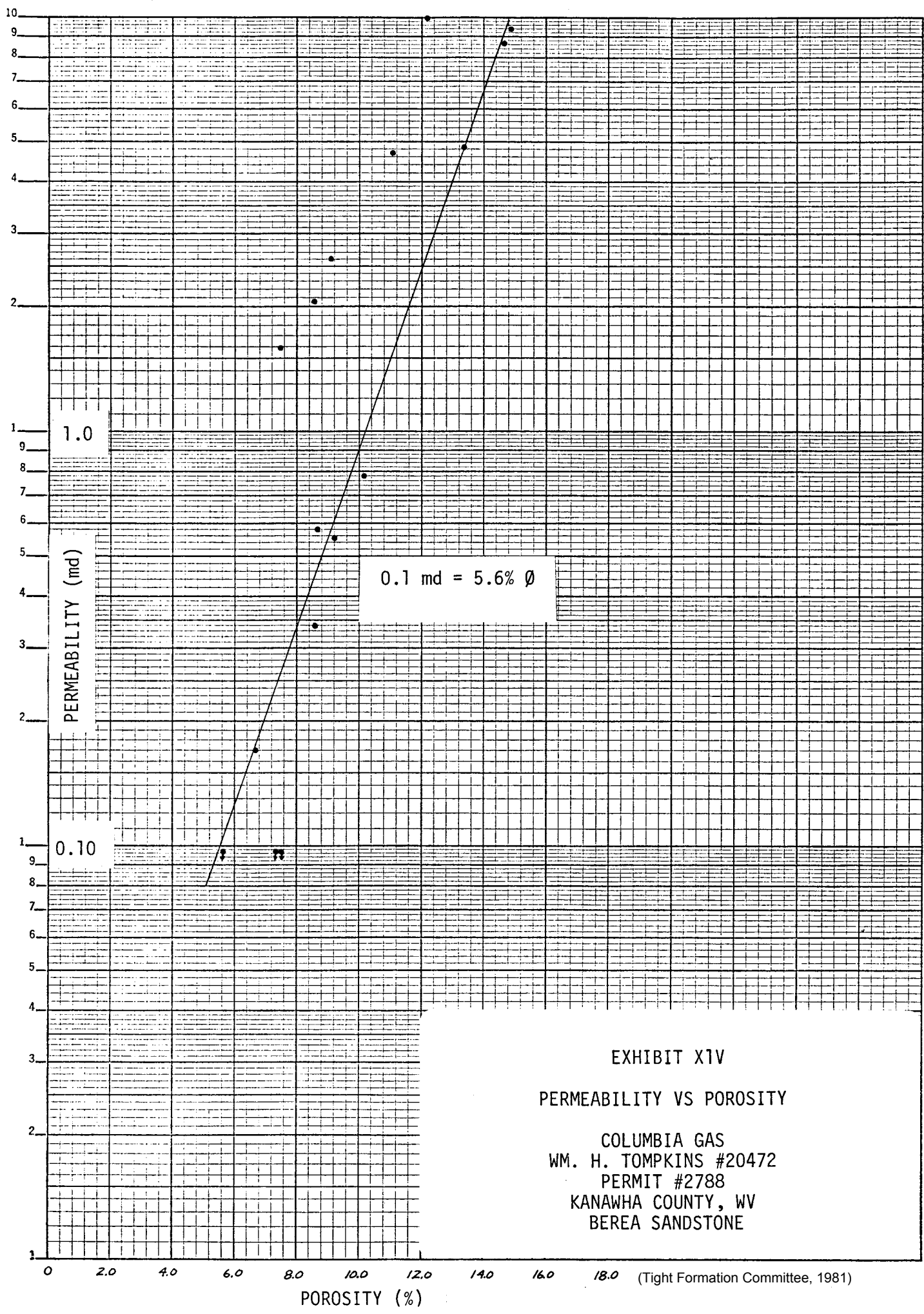


EXHIBIT XIV  
PERMEABILITY VS POROSITY  
COLUMBIA GAS  
WM. H. TOMPKINS #20472  
PERMIT #2788  
KANAWHA COUNTY, WV  
BEREA SANDSTONE

(Tight Formation Committee, 1981)

## EXHIBIT XXII

COMPARISON OF BEREA  
CORE POROSITY VS LOG POROSITY

<u>WELL</u>	<u>CORE POROSITY</u>	<u>LOG POROSITY</u>
Boone County, WV #1092 Pennzoil	7.5%	7.0%
Kanawha County, WV #2788 Columbia Gas	10.1%	10.2%
Putnam County, WV #839 D. C. Malcolm	7.6%	8.1%
Martin County, KY #32635 Columbia Gas	<u>6.8%</u>	<u>6.1%</u>
Average Porosity for 4 Representative Wells	8.0%	7.9%