

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

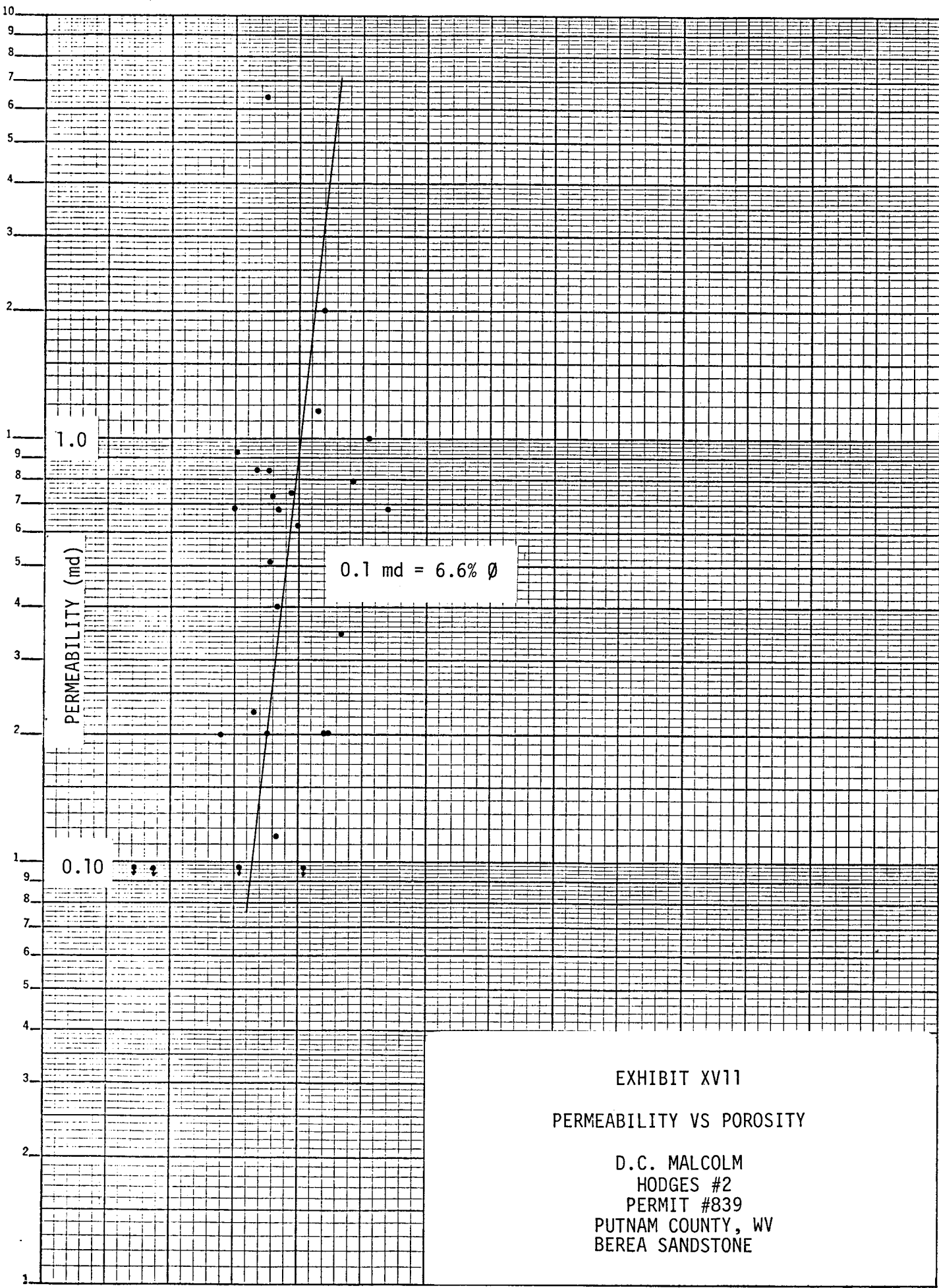


EXHIBIT XV11
PERMEABILITY VS POROSITY

D.C. MALCOLM
HODGES #2
PERMIT #839
PUTNAM COUNTY, WV
BEREA SANDSTONE

(Tight Formation Committee, 1981)

POROSITY (%)

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%