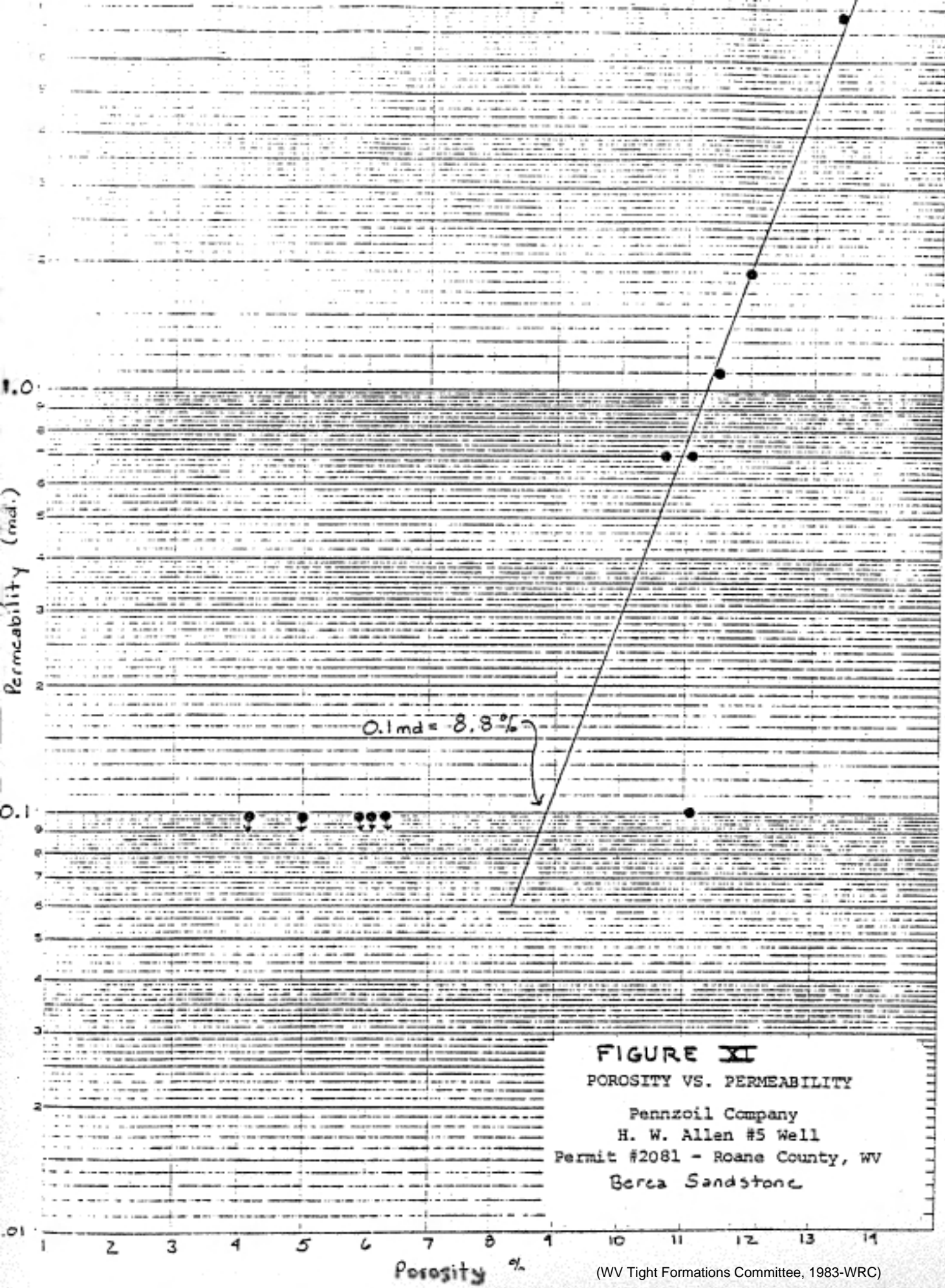


Table 12. Berea Sandstone Core Data

<u>Location</u>	<u>Porosity Cut-off</u>
Pennzoil, Roane 2081	8.8%
Pennzoil Cahoun 2846	<u>9.5%</u>
	average 9.2%

Table 9. Berea Sandstone Core Data, Roane 2081

SMP. NO.	DEPTH	PERM. TO AIR MD.			POROSITY GEX. FLD.
		MAXIMUM	90 DEG	VERT.	
FULL DIAMETER ANALYSIS					
1	2478.0-79.0	0.1	0.1	<0.1	6.3
2	2479.0-80.0	0.4	0.4	<0.1	5.9
3	2480.0-81.0	0.2	0.2	<0.1	6.1
4	2481.0-82.0	19.0	18.0	0.7	11.1
5	2482.0-83.0	14.0	14.0	1.1	11.5
6	2483.0-84.0	7.0	7.0	0.7	10.7
7	2484.0-85.0	7.0	6.6	1.9	12.0
8	2485.0-86.0	14.0	13.0	0.1	11.1
9	2486.0-87.0	51.0	30.0	20.0	12.7
10	2487.0-88.0	27.0	25.0	13.0	13.7
11	2488.0-89.0	37.0	28.0	7.7	13.4
12	2489.0-90.0	0.4	0.3	<0.1	4.2
13	2490.0-91.0	1.0	0.8	<0.1	5.0
14	2491.0-92.0	0.7	0.7	<0.1	5.0



**FIGURE XI**  
**POROSITY VS. PERMEABILITY**

Pennzoil Company  
 H. W. Allen #5 Well  
 Permit #2081 - Roane County, WV  
 Berea Sandstone

(WV Tight Formations Committee, 1983-WRC)