

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 8. Berea Sandstone Core Data, Calhoun 2846

SMP. NO.	DEPTH	PERM. TO AIR MD.			POROSITY		FLUID SATS.	
		PLUG KA	PLUG K	F.D.	GEX. FLD.	OIL	WTR.	
FULL DIAMETER AND CONVENTIONAL (PLUG) ANALYSIS								
1	2541.0-42.0	<0.1	<0.1	<0.1	7.5			
2	2542.0-43.0	<0.1		<0.1	8.0			
3	2543.0-44.0	<0.1		<0.1	7.3			
4	2544.0-45.0	<0.1		<0.1	7.3			
5	2545.0-46.0	<0.1		0.2	4.8			
6	2546.0-47.0	<0.1	<0.1	<0.1	5.9			
7	2547.0-48.0	<0.1		<0.1	8.9			
8	2548.0-49.0	0.2		<0.1	10.4			
9	2549.0-50.0	<0.1		<0.1	6.0			
10	2550.0-51.0	<0.1	0.2	<0.1	8.4			
11	2551.0-52.0	0.4		3.7	8.9			
12	2552.0-53.0	0.4		2.6	9.0			
13	2553.0-54.0	<0.1		<0.1	7.2			
14	2554.0-55.0	<0.1	<0.1	<0.1	9.0			
15	2555.0-56.0	0.2		<0.1	10.6			
16	2556.0-57.0	<0.1		<0.1	5.0			
17	2557.0-58.0	<0.1		<0.1	8.9			
18	2558.0-59.0	43.0	71.0	145.0	19.1			
19	2559.0-60.0	2.7		11.0	11.7			

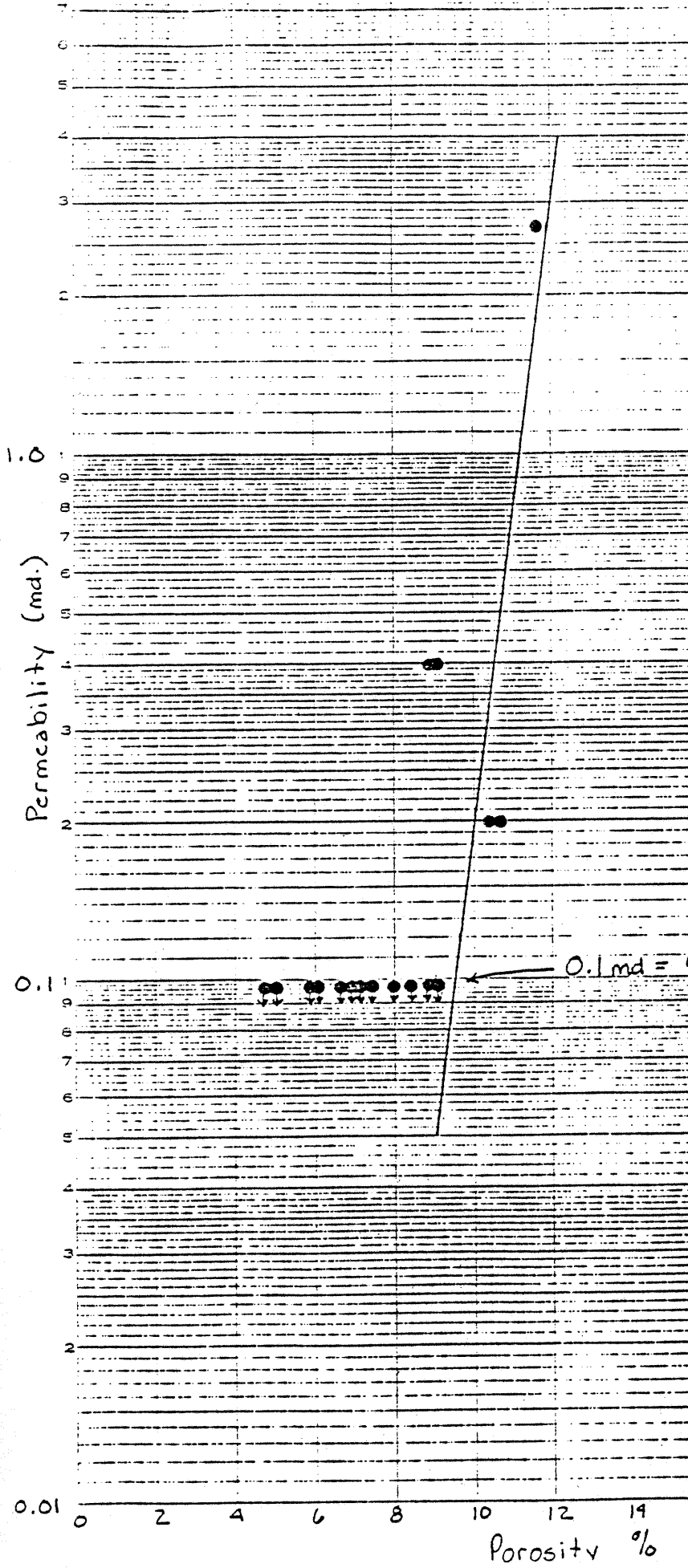


FIGURE X
 POROSITY VS. PERMEABILITY

Pennzoil Company
 S. P. Hickman #6 Well
 Permit #2846 - Calhoun County, WV
 Berea Sandstone