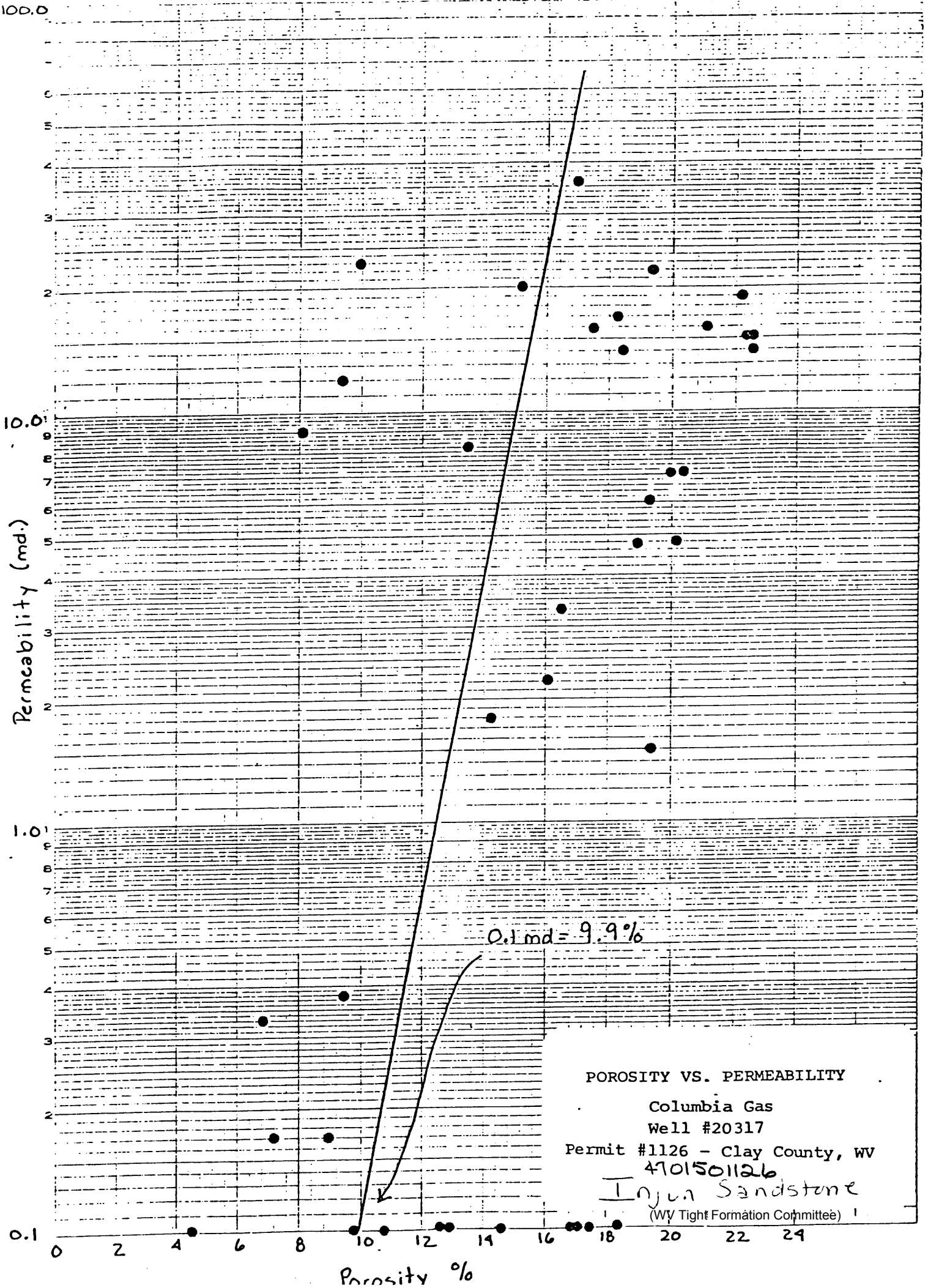


DIETZGEN CORPORATION  
MADE IN U.S.A.

NO. 3400-1-3111 DIETZGEN GRAPHIC PAPER  
SEMI-LOGARITHMIC  
3 CYCLES BY 10 DIVISIONS PER INCH



POROSITY VS. PERMEABILITY

Columbia Gas  
Well #20317  
Permit #1126 - Clay County, WV  
4701501126  
Injun Sandstone  
(WV Tight Formation Committee)



# WHOLE CORE ANALYSIS REPORT

Loss

Well No. 20317

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY		POROSITY PERCENT	LITHOLOGY AND REMARKS	
		HORIZONTAL				
		MAX	90°			

					Percent Oil	Percent Water
29	1813.1-14.5	7.1	7.1	20.4	17.1	56.3
30	1814.5-15.8	7.1	7.1	20.0	19.2	56.7
31	1815.8-17.0	1.9	1.5	19.5	19.8	59.3
32	1817.0-18.1	0.25	0.25	19.2	20.2	60.1
33	1818.1-19.5	<0.10	<0.10	17.6	22.1	61.6
34	1819.5-20.5	<0.10	<0.10	12.9	10.3	86.6
35	1821.3-22.3	<0.10	<0.10	10.8	9.1	87.1
36	1822.3-24.0	<0.10	<0.10	12.7	11.0	86.6
37	1824.9-25.5	<0.10	<0.10	17.1	11.9	71.5
38	1825.5-26.6	<0.10	<0.10	18.4	15.2	69.6
39	1826.6-28.0	<0.10	<0.10	16.9	17.9	63.3
	SQUAW					
40	1860.0-61.2	2.3	2.4	13.8	32.2	18.1
41	1861.2-62.4	1.1	0.89	20.0	28.4	24.4
42	1862.4-63.8	0.58	0.33	20.3	29.5	22.3
43	1863.8-65.0	0.76	0.44	20.5	34.1	19.9
44	1865.0-66.0	0.52	0.52	21.6	35.3	18.6
45	1866.0-66.9	0.42	0.42	21.3	28.1	18.1

### AVERAGES

19.3'	1775.0-1796.6	11.	9.9	12.7	17.0	53.4	INJUN
21.5'	1796.6-1818.1	9.3	9.0	19.9	19.7	55.6	INJUN
6.9'	1860.0-1866.9	4.6	0.85	19.5	31.2	20.4	SQUAW