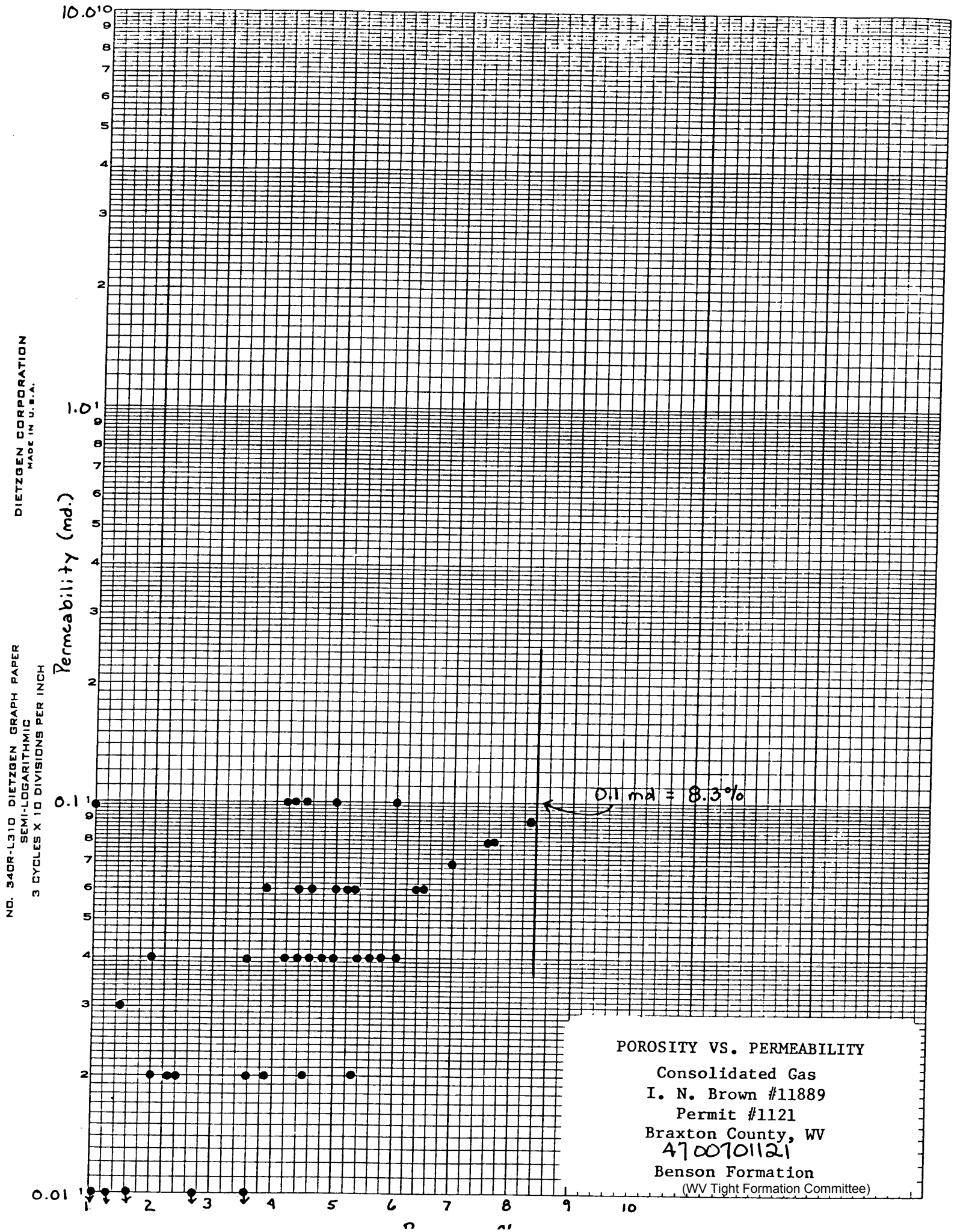

DIETZGEN CORPORATION
MADE IN U.S.A.

NO. 340R-L310 DIETZGEN GRAPH PAPER
SEMI-LOGARITHMIC
3 CYCLES X 10 DIVISIONS PER INCH

POROSITY VS. PERMEABILITY
Consolidated Gas
I. N. Brown #11889
Permit #1121
Braxton County, WV
4700701121
Benson Formation
(WV Tight Formation Committee)

ION 1121

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

4100701121

Company CONSOLIDATED GAS SUPPLY CORP. Formation DEVONIAN BENSON File 3402-8400
Well I. N. BROWN NO. 11889 Core Type DIAMOND Date Report 9-5-75
Field SALT LICK DISTRICT Drilling Fluid Analysts PUGH
County BRAXTON State W. VA. Elev. Location

Lithological Abbreviations

SAND-SD, SHALE-SH, LIME-LM, DOLOMITE-DOL, CHERT-CH, GYPSUM-GYP, ANHYDRITE-ANHY, CONGLOMERATE-CONG, FOSSILIFEROUS-FOSS, SANDY-SDY, SHALY-SHY, LIMY-LMY, FINE-FN, MEDIUM-MED, COARSE-CSE, CRYSTALLINE-XLN, GRAIN-GRN, GRANULAR-GRNL, BROWN-BRN, GRAY-GY, VUGGY-VGY, FRACTURED-FRAC, LAMINATION-LAM, STYLOLITIC-STY, SLIGHTLY-SL, VERY-V/, WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	GRAIN DENS.	SAMPLE DESCRIPTION AND REMARKS
	DEAN STARK PLUG ANALYSIS						
	4527.7-4535.0						Sh,sdy
1	4535.6	0.11	4.5	0.0	33.3	2.70	Silt,sl/lmy,shy
2	4536.5	0.13	5.0	0.0	27.3	2.70	Silt,sl/lmy
3	4537.0	0.06	5.2	0.0	19.7	2.69	Silt,sl/lmy
4	4537.5	0.02	5.3	0.0	20.6	2.70	Silt,sl/lmy
5	4538.3	<0.01	3.6	0.0	56.0	2.71	Silt,shy,w/sh stks
6	4538.8	0.10	4.2	0.0	29.6	2.70	Silt,sl/lmy
7	4539.5	0.04	4.6	0.0	14.4	2.69	Silt,sl/lmy
8	4540.4	0.04	2.0	0.0	24.5	2.72	Silt,lmy
9	4541.0	0.06	3.9	0.0	15.1	2.69	Silt,sl/lmy
10	4541.4	0.03	1.5	0.0	24.3	2.73	Silt,lmy
11	4541.8	<0.01	0.6	0.0	53.3	2.73	Silt,lmy
12	4542.4	0.11	4.3	0.0	17.9	2.69	Silt,sl/lmy
13	4543.1	0.02	3.9	0.0	17.9	2.69	Silt,sl/lmy
14	4543.9	0.02	3.9	0.0	24.2	2.70	Silt,sl/lmy
15	4544.4	0.04	4.4	0.0	20.4	2.69	Silt,sl/lmy
16	4544.9	0.02	4.5	0.0	17.3	2.69	Silt,sl/lmy
17	4545.5	0.06	4.6	0.0	16.8	2.69	Silt,sl/lmy
18	4545.9	0.06	4.6	0.0	15.7	2.68	Silt,sl/lmy
19	4547.3	<0.01	1.1	0.0	18.5	2.75	Silt,lmy
20	4547.7	0.02	2.3	0.0	23.6	2.71	Silt,lmy
21	4548.2	0.08	7.7	0.0	6.5	2.69	Silt,sl/lmy
22	4549.0	0.04	6.1	0.0	11.0	2.68	Silt,sl/lmy
23	4549.5	0.04	4.8	0.0	14.0	2.68	Silt,sl/lmy
24	4550.2	0.04	4.2	0.0	21.0	2.68	Silt,sl/lmy
25	4550.8	0.06	4.4	0.0	20.8	2.68	Silt,sl/lmy,sl/shy
26	4551.5	0.04	4.8	0.0	15.5	2.68	Silt,sl/lmy
27	4552.0	0.01	2.8	0.0	22.7	2.71	Silt,lmy
28	4552.5	0.08	7.6	0.0	7.7	2.68	Silt,sl/lmy
29	4553.1	0.09	8.3	0.0	8.1	2.68	Silt,sl/lmy
30	4553.6	0.06	6.5	0.0	9.6	2.68	Silt,sl/lmy
31	4554.6	0.06	6.4	0.0	11.8	2.69	Silt,sl/lmy
32	4555.0	0.07	7.0	0.0	7.1	2.68	Silt,sl/lmy
33	4555.8	0.06	6.4	0.0	11.1	2.69	Silt,sl/lmy
34	4556.3	0.04	5.4	0.0	9.2	2.70	Silt,sl/lmy
35	4557.7	0.04	3.6	0.0	20.2	2.71	Silt,shy
36	4558.6	0.02	2.4	0.0	41.1	2.75	Silt,sl/lmy,shy

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

File 3402-8400 Page No. 2
Well I. N. BROWN NO. 11889

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		GRAIN DENS.	SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER		
37	4560.0	0.02	3.6	0.0	23.9	2.75	Silt, sl/lmy, shy
38	4560.5	0.04	5.0	0.0	13.2	2.70	Silt, sl/lmy
39	4561.0	0.04	5.0	0.0	12.4	2.68	Silt, sl/lmy
40	4561.6	0.06	5.3	0.0	13.2	2.69	Silt, sl/lmy
41	4562.3	0.04	5.6	0.0	14.9	2.69	Silt, sl/lmy
42	4562.8	0.06	5.0	0.0	19.8	2.71	Silt, shy
43	4563.4	0.11	6.0	0.0	9.8	2.69	Silt, sl/lmy
44	4564.0	0.04	5.8	0.0	10.1	2.69	Silt, sl/lmy
45	4568.0	<0.01	1.7	0.0	70.0	2.71	Silt, sl/lmy, shy
46	4568.8	0.02	2.1	0.0	70.5	2.76	Silt, shy, sl/pyr
47	4569.3	<0.01	1.3	0.0	66.7	2.72	Silt, shy
	4569.5-4570.5						Silt, shy