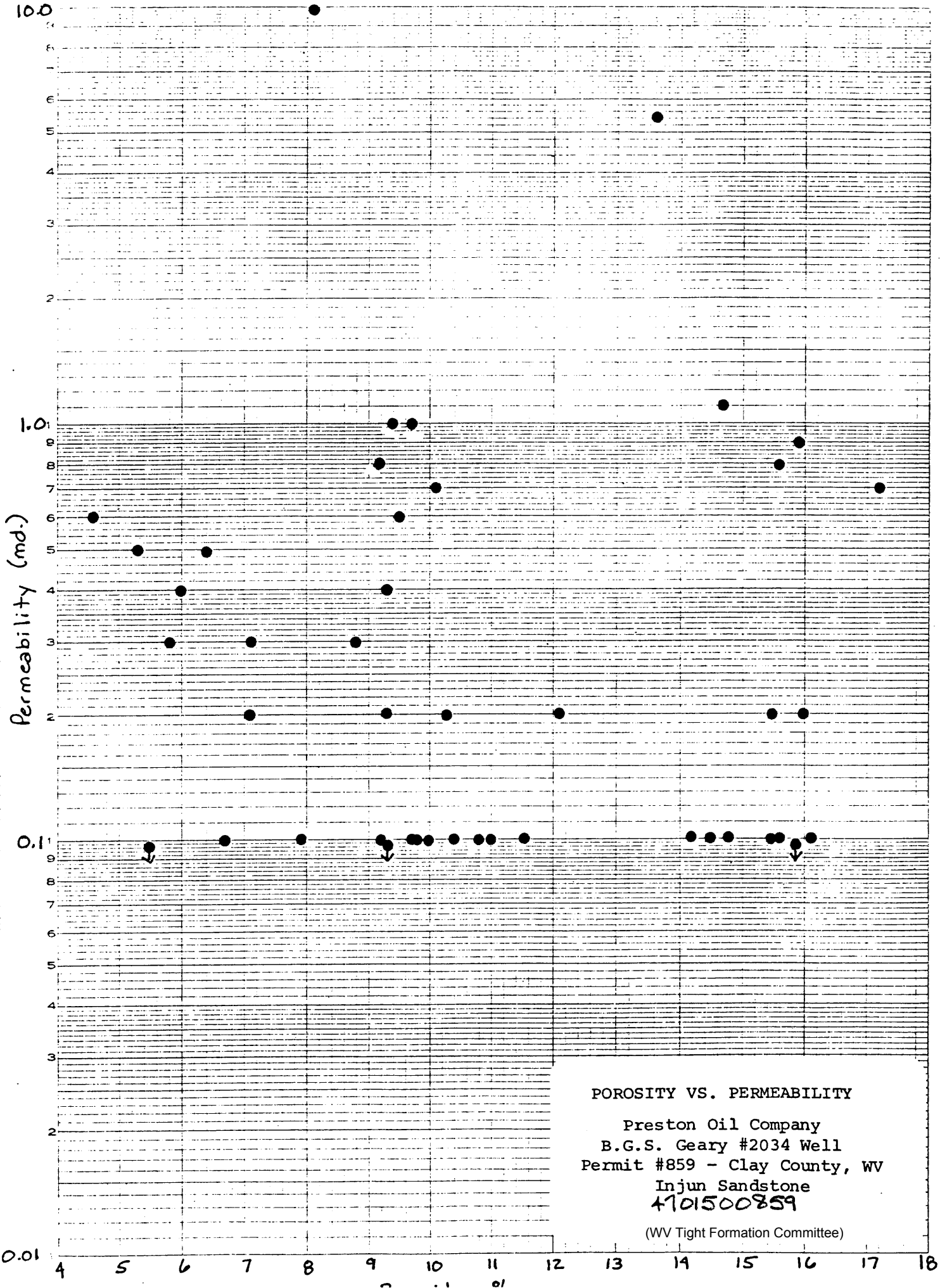


DIETZGEN CORPORATION  
MADE IN U.S.A.

NO. 3400-1-1010 DIETZGEN GRAIN PAPER  
SEMI-COARSE  
2 CYCLES X 10 DIVISIONS PER INCH



POROSITY VS. PERMEABILITY  
Preston Oil Company  
B.G.S. Geary #2034 Well  
Permit #859 - Clay County, WV  
Injun Sandstone  
4101500859  
(WV Tight Formation Committee)

41-54

Clay-859

CORE ANALYSIS RESULTS

Company PRESTON OIL COMPANY Formation BIG LIME-BIG INJUN File CP-1-6785  
Well B. G. S. GEARY NO. 2034 Core Type DIAMOND Date Report 10-22-68  
Field GRANNYS CREEK Drilling Fluid SALT WATER Analysts BOYLE  
County CLAY State W. VA. Elev. \_\_\_\_\_ Location \_\_\_\_\_

Lithological Abbreviations

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
		PERM. MAX.	PERM. 90°		OIL	TOTAL WATER	
	cc1	cc11	cc21	cc31			

WHOLE CORE ANALYSIS

SAMPLE NUMBER	DEPTH FEET	PERM. MAX.	PERM. 90°	POROSITY PER CENT	OIL	TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
1	1850.0-51.0	<0.1*		7.9	10.5	80.0	Dol, shy, silty
2	51.0-52.0	0.1	0.1	14.7	25.7	51.9	Dol, silty
3	52.0-53.0	0.8	0.6	9.2	15.1	62.3	Sd, sl/shy, congl
4	53.0-54.0	0.6	0.6	4.6	11.3	60.0	Sd, sl/shy, congl
5	54.0-55.0	7.8*		12.6	10.8	54.6	Sd, congl
6	55.0-56.0	0.4	0.4	9.3	13.8	46.1	Sd
7	56.0-57.0	32.0	30.0	13.6	8.5	57.8	Sd, sl/congl
8	57.0-58.0	5.4	4.9	13.6	9.4	56.3	Sd, congl
9	58.0-59.0	0.7	0.6	10.1	10.2	60.6	Sd, congl, mica
10	59.0-60.0	1.0	1.0	9.4	10.5	52.5	Sd
11	60.0-61.0	0.2	0.1	9.3	12.5	58.7	Sd, sl/shy, sl/congl
12	61.0-62.0	1.1	1.0	14.7	16.7	55.6	Sd, silty
13	62.0-63.0	0.7	0.5	17.2	16.9	50.7	Sd, silty
14	63.0-64.0	0.3	0.3	8.8	9.2	54.2	Sd, silty
15	64.0-65.0	0.5	0.3	6.4	8.8	52.1	Sd, silty
16	65.0-66.0	0.4	0.4	6.0	6.5	60.9	Sd, silty, sl/shy
17	66.0-67.0	0.3	0.1	7.1	8.1	57.7	Sd, silty
18	67.0-68.0	0.2	0.1	7.1	11.4	62.2	Sd, silty
19	68.0-69.0	0.5	0.3	5.3	8.8	56.3	Sd, congl
20	69.0-70.0	0.3	0.1	5.8	9.1	63.6	Sd, silty
21	70.0-71.0	1.0	0.6	9.7	17.7	50.5	Sd, congl
22	71.0-72.0	0.6	0.2	9.5	12.9	35.7	Sd, silty
23	72.0-73.0	0.1	0.1	6.7	9.8	67.3	Sd, silty, congl
24	73.0-74.0	0.1	0.1	9.7	9.8	56.4	Sd, silty
25	74.0-75.0	9.9	0.9	8.1	7.2	67.2	Sd, silty, vert frac
26	75.0-76.0	0.1	0.1	7.9	7.7	74.4	Sd, silty
27	76.0-77.0	0.1	<0.1	9.2	5.8	53.8	Sd, silty
28	77.0-78.0	0.1	<0.1	10.4	9.2	49.3	Sd, silty
29	78.0-79.0	0.1	<0.1	10.8	11.0	49.1	Sd, silty
30	79.0-80.0	0.1	<0.1	10.8	11.6	47.1	Sd, silty
31	80.0-81.0	0.1	0.1	9.7	3.1	50.9	Sd, silty
32	81.0-82.0	0.1	<0.1	10.0	6.0	50.0	Sd, silty
33	82.0-83.0	<0.1	<0.1	9.3	8.3	50.8	Sd, silty, foss
34	83.0-84.0	0.1	0.1	9.8	4.0	50.0	Sd, silty

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Petroleum Reservoir Engineering  
DALLAS, TEXAS

File CP-1-6785 Page No. 2

Well B. G. S. Geary No. 2034

## CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs MAX. 90°		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
					OIL	TOTAL WATER	
35	1884.0-85.0	0.1	0.1	11.0	8.7	46.8	Sd, silty
36	85.0-86.0	0.1	0.1	11.5	8.3	50.8	Sd, sl/silty
37	86.0-87.0	0.2	0.2	12.1	9.2	55.8	Sd, sl/silty
38	87.0-88.0	0.8	0.7	15.6	11.4	52.5	Sd, sl/silty
39	88.0-89.0	0.9	0.8	15.9	8.1	54.0	Sd, sl/silty
40	89.0-90.0	0.1	0.1	15.6	7.9	58.8	Sd, sl/silty
41	90.0-91.0	0.2	0.1	15.5	8.8	66.4	Sd, sl/silty
42	91.0-92.4	0.1	0.1	15.5	6.6	69.3	Sd, sl/silty
	92.4-93.5						Sh
43	93.0-94.0	0.2	0.2	10.3	0.0	73.1	Sd, silty
44	94.0-95.0	0.1	0.1	10.0	0.0	67.1	Sd, silty
45	95.0-96.0	0.1	0.1	14.5	1.8	55.4	Sd, silty
46	96.0-97.0	0.1	0.1	14.8	2.9	59.2	Sd, silty
47	97.0-98.0	<0.1	<0.1	15.9	1.6	63.0	Sd, silty
48	98.0-99.0	0.2	0.1	16.0	2.2	60.5	Sd, silty
49	99.0-00.0	0.1	0.1	16.1	5.4	59.3	Sd, silty
50	1900.0-01.0	0.1	<0.1	14.2	3.9	53.2	Sd, silty
51	01.0-02.0	<0.1	<0.1	5.5	4.4	79.5	Sd, silty
52	02.0-03.0	<0.1*		4.8	0.0	95.2	Sd, silty
	1903.0-04.0						Sh

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