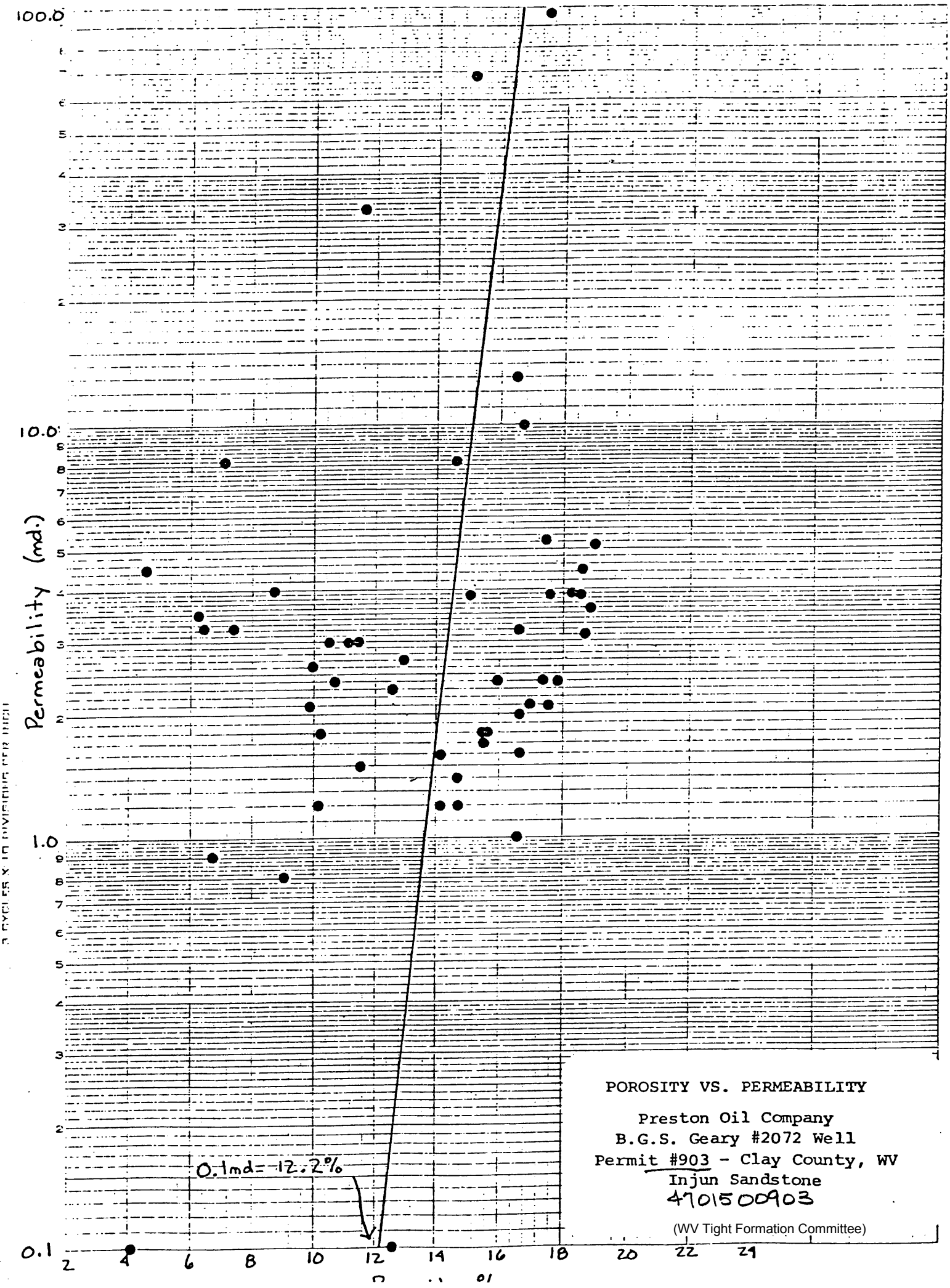
100.0
10.0
1.0
0.1
Permeability (md.)
2
4
6
8
10
12
14
16
18
20
22
24
0.1md=12.2%
POROSITY VS. PERMEABILITY
Preston Oil Company
B.G.S. Geary #2072 Well
Permit #903 - Clay County, WV
Injun Sandstone
4701500903
(WV Tight Formation Committee)

41-54

Clay - 903

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company PRESTON OIL COMPANY | Formation BIG INJUN SAND | File CP-1-7283
Well B. G. S. GEARY NO. V-2072 | Core Type DIAMOND | Date Report 9-29-70
Field GRANNIES CREEK | Drilling Fluid | Analysts BOYLE
County CLAY | 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 PERM. MAX. CC11	PERM. 90° CC21	POROSITY PER CENT CC31	RESIDUAL SATURATION PER CENT PORE OIL	TOTAL WATER	VERT. PERM.	SAMPLE DESCRIPTION AND REMARKS
	WHOLE CORE ANALYSIS							
1	1747-48	1.6	1.2	0.8	0.0	33.3	<0.1	Lm
2	48-49	4.4	0.5	4.5	Tr	80.8	<0.1	Sd, shy, congl
3	49-50	1.2	0.9	10.2	8.6	65.5	0.4	Sd
4	50-51	3.5	3.0	6.6	8.1	48.5	0.4	Sd
5	51-52	8.2	7.4	7.1	11.4	57.1	0.9	Sd
6	52-53	69.0	63.0	15.1	8.5	49.3	6.3	Sd
7	53-54	96.0	93.0	17.5	7.3	48.8	92	Sd
8	54-55	2.2	1.3	9.9	9.4	50.9	<0.1	Sd
9	55-56	3.0	2.4	11.6	6.5	49.4	0.1	Sd, congl
10	56-57	3.5	0.7	7.4	7.9	47.4	<0.1	Sd
11	57-58	2.3	1.7	12.6	9.1	56.3	<0.1	Sd
12	58-59	3.0	1.5	10.5	9.3	46.3	<0.1	Sd, congl
13	59-60	1.5	1.4	11.7	9.8	51.2	<0.1	Sd
14	60-61	2.4	2.2	10.7	10.0	50.0	<0.1	Sd
15	61-62	2.6	1.3	10.0	8.5	55.3	0.1	Sd
16	62-63	3.5	1.9	6.3	9.7	54.8	0.1	Sd, congl
17	63-64	0.8	0.5	9.1	8.9	51.1	0.1	Sd
18	64-65	3.2	2.5	11.0	10.8	52.7	0.1	Sd, shy, congl
19	65-66	10.0	9.7	16.8	9.0	61.5	0.2	Sd
20	66-67	1.2	0.9	14.1	10.9	65.2	<0.1	Sd
21	67-68	8.2	7.2	14.6	14.9	68.7	0.1	Sd
22	68-69	13.0	12.0	16.6	11.0	59.8	0.3	Sd
23	69-70	0.9	0.2	6.8	7.9	57.9	<0.1	Sd
24	70-71	33.0	31.0	11.7	7.7	76.9	3.8	Sd, silty
25	71-72	4.0	3.1	8.8	8.3	77.8	0.1	Sd, silty
26	72-73	1.6	0.6	14.1	14.1	67.2	<0.1	Sd, silty
27	73-74	1.2	1.1	14.7	11.6	69.8	<0.1	Sd, silty
28	74-75	3.9	3.2	15.2	14.1	68.8	0.1	Sd, silty
29	75-76	1.8	0.8	15.6	12.0	70.0	<0.1	Sd, silty
30	76-77	1.7	0.9	15.7	12.2	61.0	<0.1	Sd, silty
31	77-78	2.1	1.9	17.7	11.6	55.8	0.6	Sd, silty
32	78-79	2.4	2.4	17.5	12.9	55.3	0.7	Sd, silty
33	79-80	3.4	1.7	16.7	12.3	60.0	0.4	Sd, silty
34	80-81	2.1	1.6	16.9	11.4	58.1	0.2	Sd, silty
35	81-82	2.0	1.1	16.6	11.7	57.8	0.2	Sd, silty
36	82-83	1.0	1.0	16.5	16.9	57.1	0.1	Sd, silty
37	83-84	1.6	1.2	16.6	13.3	58.3	0.1	Sd, silty
38	84-85	2.4	1.7	16.0	13.7	63.0	0.1	Sd, silty
39	85-86	1.4	1.1	14.7	14.3	57.1	<0.1	Sd, silty
40	86-87	2.7	2.2	13.0	12.7	57.1	0.2	Sd, silty
41	87-88	3.9	3.4	18.6	14.8	55.7	1.6	Sd, silty

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

File CP-1-7283 Page No. 2
Well B. G. S. Geary No. V-2072

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX.	90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	TOTAL WATER	VERT. PERM.	SAMPLE DESCRIPTION AND REMARKS
42	1788-89	3.6	3.1	18.9	15.4	55.9	1.5	Sd, silty
43	89-90	4.3	3.6	18.6	15.6	55.0	1.6	Sd, silty
44	90-91	4.3	4.2	18.6	14.6	57.3	1.2	Sd, silty
45	91-92	3.8	3.6	18.3	17.5	57.5	1.3	Sd, silty
46	92-93	5.1	4.1	19.0	17.5	51.5	2.4	Sd, silty
47	93-94	2.4	2.0	17.9	14.3	60.0	0.6	Sd, silty
48	94-95	3.2	3.1	18.7	12.8	59.6	1.1	Sd, silty
49	95-96	5.3	4.8	17.5	14.7	53.3	1.8	Sd, silty
50	96-97	3.9	3.9	17.7	12.0	58.1	0.5	Sd, silty
51	97-98	1.8	1.6	15.7	10.9	68.8	<0.1	Sd, silty
52	98-99	1.8	1.0	10.3	14.9	70.2	<0.1	Sd, silty
53	99-00	0.1	<0.1	12.7	Tr	92.1	<0.1	Sd, v/silty
54	1800-01	<0.1	<0.1	4.1	0.0	88.9	<0.1	Sh, silty

THIS IS THE FINAL REPORT.