

Driller's Log
 Test Hole No. 1
 Cleveland Petroleum Company
 Bridgeville, Delaware

*file : fuller well
 Cross-section*

Od 23-02

Location: farm, ex-Senator Townsend, Bridgeville, Delaware
 Elevation:

DEPTH	THICKNESS	DESCRIPTION
0 - 180	180	yellow sand and gravel
180 - 240	60	blue sticky shale
240 - 244	4	hard rock (according to driller (a hard sand)
244 - 260	16	sandy shale
260 - 380	120	sand
380 - 420	40	sticky shale
420 - 427	7	hard rock (a hard sand?)
427 - 455	28	sand
455 - 465	10	hard rock (a hard sand?)
465 - 521	56	oyster shell and sand
521 - 530	9	hard rock (hard sand?)
530 - 580	50	sandy shale
580 - 590	10	sticky shale
590 - 598	8	sand showing oil (Note: at approximately 600' depth the same is claimed for the Layne-New York test hole in Milford; this was reported by the City Manager, Mr. Bressler).
598 - 629	31	soft sand showing gas.
629 - 683	54	sticky blue shale
683 - 702	19	soft dark sand
702 - 720	18	hard rock

PL.

Mio

Eocch

DEPTH	THICKNESS	DESCRIPTION
720 - 749	29	sandy shale with streak of gumbo (gumbo: hard, sticky clay, according to driller).
749 - 780	31	hard sandy yellow clay
780 - 840	60	dark sand showing oil
840 - 865	25	dark yellow clay with streaks of dark sand.
865 - 870	5	shale with gravel
870 - 885	15	gumbo
885 - 890	5	soft sand
890 - 970	80	dark sand showing oil.
970 - 993	23	hard gumbo
993 -1095	102	dark sandy shale with streaks of gumbo (between 1055 and 1095 heaved up in pipe 250 feet showing gas).
1095-1230	135	gray shale with streaks with lime-shale, broken formation.
1230-1250	20	dark gumbo with streaks of oil-sand; good showing of oil
1250-1323	73	dark sticky shale
1323-1885	562	dark sandy shale with streaks of sand (from 0-1323 a cable tool was used, from 1323 down a rotary rig)
1885-2050	165	hard sticky red shale with streaks of sand
2050-2052	2	hard sand; took core showing shell of iron and sand good showing of oil
2052-2110	58	sand with broken shale, good showing of oil.
2110-2170	60	hard sticky red shale
2170-2285	115	sand with streaks of broken shale.
2285-2340	55	streaks of sand and shale.
2340-2345	55	sand, good showing of oil.
2345-2505	160	hard sand with sticky shale.

DEPTH	THICKNESS	DESCRIPTION
2505 - 2525	20	sand showing oil and gas.
2525 - 2567	42	hard sticky shale
2567 - 2597	30	hard sands
2597 - 2606	9	sticky shale
2606 - 2617	11	oil sand; very good showing of oil and gas
2617 - 2619	2	hard lime-shell (sort of limestone, according to driller).
2619 - 2625	6	oil sand, showing oil.
2625 - 2655	30	hard sticky shale
2655 - 2662	7	sand
2662 - 2689	27	hard sticky shale
2689 - 2831	142	hard sand with streaks of shale.
2831 - 2850	19	sandy shale showing oil.
2850 - 2861	11	sticky gumbo
2861 - 2863	2	hard lime-shell
2863 - 2953	90	sand with streaks of shale.
2953 - 2955	2	hard lime-shell
2955 - 2970	15	sticky shale
2970 - 2984	14	hard sand
2984 - 2992	8	took core, no recovery
2992 - 2996	4	sand
2996 - 3010	14	hard sticky shale.
3010 - 3012	2	took core, 18 inches, red, sticky shale with lime shell at bottom of well.