

Chart of
LADD ARTESIAN WELL,
 near Portland, Oregon

Showing a Geological Section of Strata

Depth	Log	Interval	Remarks
100 ft. level:	100 ft.:	Earth and clayey sand; fine drift sand.	Test No. 19
120 ft. level:	20 ft.:	Sand, clay, and gravel	Test No. 18
140 ft. level:	20 ft.:	Granite and basalt boulders in moist sand.	Test No. 17
180 ft. level:	40 ft.:	Waterworn boulders & gravel with veins of white sand (First water)	Test No. 16
200 ft. level:	20 ft.:	Waterworn gravel and sand of basalt and granite.	Test No. 15
220 ft. level:	20 ft.:	Waterworn boulders and grit of spar and basalt.	Test No. 14
275 ft. level:	55 ft.:	Coarse grit & gravel of waterworn basalt & granite with veins of white sand.	Test No. 13
330 ft. level:	55 ft.:	Coarse grit & gravel of waterworn basalt & granite spar in veins of sand and conglomerate.	The presumption is that there is lateral leakage at this point.
356 ft. level:	26 ft.:	Fine sand & small basaltic gravel.	Test No. 11
360 ft. level:	4 ft.:	Coarse grit & sand of granite & spar.	Test No. 10
405 ft. level:	45 ft.:	Alternate veins of clay, sand & granite; Boulders with waterworn gravel & sand stone.	Test No. 9
720 ft. level:	315 ft.:	Compact veins of an Olive "Marl" "clay shale" and "talc" containing fine basaltic grit and sand & also "lignite" & "fossil wood & plants".	Test No. 8 The presumption is that if "packing" were solidly placed at the upper portion of this stratum, a flow might be procured.
730 ft. level:	10 ft.:	Fine grit sand and gravel of basalt and granite. (shale soft)	Test No. 7
850 ft. level:	120 ft.:	Marl talc & shale mud with small basaltic gravels & veins of fine soft sandstone	Test No. 6

Depth	Log	Interval	Remarks
1000 ft. level:	150 ft.	Stiff clay shale & marl with soft talc containing veins of fine basaltic sand & many fossil plants and wood.	Test No. 5
1080 ft. level:	80 ft.	Solid & compact veins of fine white sand & coarse gray sand with mica scales & fine basaltic grit.	Test No. 4 The presumption is that there is lateral leakage at
1200 ft. level:	120 ft.	Fine "conglomerate" containing shale & marl with fossil plants & sand showing iron stain.	Test No. 3
1250 ft. level:	50 ft.	Coarse "basaltic grit" and gravel.	Test No. 2
1300 ft. level:	50 ft.	Fine sandy marl and shale mud, containing fossil plants and gravel showing iron stain.	Test No. 1
1700 ft. level:	400 ft.	"Solid Granite" compact "Archean" rock (no use to bore any further here)	The presumption is that no water can be obtained in this "Azole" rock. See Report, "Waterbearing Rocks" page 20.