TABLE 2.-- Geologic logs of four test wells--continued

Material	Thickness (feet)	Depth to bottom (feet)
Badger Pocket Well		
Topsoil	3	3
Sand, medium, tan, with clay and basaltic gravel	25	28
Sand, medium, brown, and some silt and basaltic gravel	53	81
Gravel, basaltic, and sand	11	92
Sand, medium, brown	9	101
Gravel, basaltic, rounded and weathered	84	185
Gravel, basaltic, and brown coarse sand	25	210
Gravel, basaltic, with some pebbles of brown siltstone and clay	205	415
Sand, medium, brown, silt, and basaltic gravel	100	515
Sand, medium, brown, with white grains of soapstone, and basaltic gravel	7	522
Silt, brown, and sand	33	555
Sand, medium, tan, with arkosic pebble fragments	40	595
Silt, semi-hard, brown	26	621
Sand, brown, and silt with basaltic gravel	104	725
Umtanum Creek Well		
Sand, gravel, boulders, clay and silt, river deposits and possibly landslide material	50	50
Basalt, broken, black (large boulders with some sand and gravel between them?)	20	70
Basalt, hard, black	35	105
Basalt, broken, black, with light colored vein filling material	20	125
Basalt, hard, black	95	220
*Basalt, broken, black, some vesicular basalt, some subrounded black basalt gravels, some light gray volcanic ash (?)	9	229
*Carbonized wood, black	2	231
*Basalt, broken, black	4	235
Basalt, slightly broken, black	25	260
Ash (?), brown to gray	1	267
Basalt, broken, black	20	287
Basalt, hard, black	164	451
Basalt, broken, black	4	455
Basalt, hard, black	2	457
*Ash(or clay), brownish-gray	4	461
Basalt (or volcanic glass?), aphanitic, (vitreous luster), blue-green	1	462
*Basalt, broken, black to brownish-black	4	466
Basalt, hard, black	38	504
*Basalt, broken, black, some sand and subrounded black basaltic pebbles	5	509
Basalt, broken, black to dark brown, some light-colored vein-filling material	2	511
Basalt, hard, black to dark brown	2	513
*Basalt, broken, highly vesicular, black to reddish-brown (scoria?)	12	525

(continued)

TABLE 2.-- Geologic logs of four test wells--continued

Material	Thickness (feet)	Depth to bottom (feet)
Umtanum Creek Well--continued		
Basalt, vesicular, reddish-brown to black	23	548
*Basalt, highly vesicular, broken, brown to black	19	567
Basalt, broken, slightly vesicular black to reddish brown	10	577
Clay (or ash?), brown, and black sand	1	578
Basalt, broken, slightly vesicular, black	7	585
Basalt, broken, black	2	587
Basalt, hard, black, some light-colored vein-filling materials	5	592
Ash (?), yellowish-white to light brown	7	599
*Basalt, broken, black, some lighter-colored material (palagonite ?)	33	632
Basalt, broken, black, some thin layers (6-12 inches) of slightly (?) vesicular basalt	16	648
Basalt, hard, black	101	749
Basalt, broken, black	14	763
Basalt, broken, vesicular, black	10	773
Basalt, hard, dark gray	5	778
*Basalt, broken, vesicular, black to reddish-brown	76	854
Basalt, hard, black	9	863
Basalt, broken, black	8	871
Basalt, hard, black to dark gray	11	882
Basalt, slightly-broken, dark green-black, some green vein-filling material	5	887
Basalt, hard, dark gray	7	894
*Basalt, broken, black, vesicular in places	9	903
Basalt, hard, black	8	911
*Basalt, very broken, vesicular, black to reddish-brown	6	917
*Basalt, moderately broken, black	7	924
*Basalt, broken, vesicular, black, with some blue-green vein-filling material	18	942
Basalt, broken, black, vesicular in places	27	969
Basalt, moderately hard, black	2	971
Basalt, hard, black	4	975
Basalt, broken, black, vesicular in places, some flint (?) nodules	44+	1,019+

*Water-bearing zones; zones that were noted during drilling. It is not possible to note every water-bearing zone during drilling operations. However, major aquifers sometimes are easily distinguished due to changes in discharging water temperature, a large and immediate increase in air pressure during drilling, or a change in potentiometric head in the well (usually not noticeable until the following day).