

TABLE 1.--Lithology Log of Well

Material	Thickness (feet)	Depth (feet)
Drilled by Adcock Drilling, Co., Mar. 1,-Oct. 20, 1972. Located six miles west east of Mansfield, south side of State Highway 172, in NW $\frac{1}{4}$, NW $\frac{1}{4}$ Sec. 25., T27N, R26E. Altitude 2215 ft. Casing 10 inches to 67 ft., 8 inches 156 to 490 ft., 6 inches 687 to 750 ft. Screen 6 inches 750 to 760 ft.		
Overburden		
Soil and glacial boulders-----	5	5
Yakima Basalt		
Priest Rapids Member		
Basalt, medium dark gray, fine to medium-grained, highly fractured, weathered-----	20	25
Basalt medium dark gray, iron stained, fine to medium-grained, highly fractured, vesicular in places, trace of water-----	40	65
Basalt, medium dark gray, dense-----	15	80
Frenchman Springs or Roza Member?		
<u>NOTE:</u> The contact between the two members can only be arbitrarily picked, using thicknesses from nearby out-crops and the location of a possible weathered flow top.		
Basalt, dark gray, weathered, vesicular, water turns brown-----	1	81
Basalt, dark gray, medium-grained, dense, TiO ₂ percent = 3.35-3.55, fracture zone between 101 and 102 feet----	54	135
Vantage Sandstone Member		
Clay, dusky red to pale yellowish-brown, slightly arenaceous-----	14	149
Pre-Vantage Flows and Interbeds		
Basalt, brown, weathered, vesicular-----	2	151
Basalt, medium gray, fine to medium grained, vesicular in places, small < 1 mm. glassy plagioclase laths, dense, TiO ₂ percent = 1.76-----	44	195
Basalt and scoria, medium-gray, weathers brown, fine to medium-grained, TiO ₂ percent = 2.36-----	13	208
Basalt, medium-gray, fine to medium-grained, small < 1 mm. plagioclase laths-----	16	224
Basalt, scoria and clay, basalts and scoria are medium-gray, brown stained, fine-grained; clays are baked, grayish-yellow to light olive in color; drilling speeds vary, difficult to determine how much clay is present-----	36	260

TABLE 1.--Lithology Log of Well--Continued

Material	Thickness (feet)	Depth (feet)
Basalt, dark gray, fine-grained dense-----	6	266
Basalt, vesicular, brown to dark gray, minor amounts of clay or palagonite very soft drilling-----	34	300
Basalt, medium to dark gray, fine-grained, dense-----	48	348
Basalt and clay, basalt is vesicular; clay is brownish gray-----	7	355
Clay? loss of sample, water turns red, soft drilling----	8	363
Basalt, medium dark gray, dense-----	17	380
Gravel, primarily rounded basalt pebbles up to two inches in diameter, interbedded with clay-----	20	400
Scoria, loss of circulation-----	11	411
Basalt, medium to dark gray, fine to medium-grained, dense-----	64	475
Sand, medium-grained, very fluid-----	10	485
Sandstone with interbedded siltstone and claystone, sand is coarse-grained, quartz and muscovite are the domi- nant constituents with basalt sand in places; siltstone and claystones are purple, white and gray with minor black waxy clay-----	107	592
Basalt, dark gray, medium-grained, granular appearance, dense-----	98	690
Sandstone with interbedded siltstone and claystone, sand is medium-grained consisting of muscovite and quartz, upper portion of interval consists primarily of clay- stone and siltstone varying in color from red-brown to gray-----	45	735
Sandstone, interbedded with siltstone-----	15	750
Sand, medium grained, quartz and muscovite, abundant water-----	5	755
Granite, weathered on top, water bearing in top two feet	5	760
TOTAL DEPTH OF WELL-----		760