

APPROXIMATE LOG OF THE PROSPECT WELL OF THE PORTLAND COAL & DEVELOPMENT CO.
 5½ miles southeast of Tillamook, Oregon, SE¼ sec. 10, T. 2 S., R. 9 W.
 Tillamook County, Oregon

	<u>Thickness</u> (feet.)	<u>Depth</u> (feet.)
Soil, gravel, and boulders	52	52
Shale, gray; dark gray in lower part, with fragments of fossils and a few thin, hard limy layers	700	752
Limestone, hard, gray	3	755
Shale, very sandy, with hard, green layers and some water and gas at the top	245	1,000
Shale, gray, softer than preceding; alternating layers of black and coffee-colored clay rock	335	1,335
Shale, very sandy, or soft, argillaceous sandstone with hard, green layers and much warm sulphur water (98°F.) with gas	35	1,370
Shale, mostly dark-gray clay shale, but variable	470	1,840
Basalt (?), very hard, black, brittle, fine-grained rock; drilled at the rate of 6 inches in 24 hours	6	1,846
Shale, mostly dark, with many hard layers from 2 to 5 feet thick, and two 6 or 8 foot beds of reddish shale in the lower part	221	2,067
Sandstone, hard, gray; "show" of oil	22	2,089
Shale, dark colored, soft, caving	443	2,532

1.5°/100'
 14
 60
 15
 21.0°
 + 50° ambient
 71°

 From - Reconnaissance of the geology and oil prospects of northwestern Oregon:
 U. S. Geol. Survey Bull. 590, p. 68, 1914.