

F. L. Roliff et al No. 1 (GW-457)
 Located on top map, log plotted and checked intervals

Ravenwood District, Jackson County, W. Va.
 By Columbian Carbon Company, Charleston, W. Va.

Located 0.26 mi. W. of 81° 35' and 9.26mi. S. of 38° 00' -NC - Repley Quadrangle;
 3.0 mi. N. E. of Odaville

Permit Jac - 103

Elevation 661 L.

Completed Aug. 1941

Dry Hole

Elevation of Pittsburgh Coal is about 155 feet by structure contour on geologic map.

Section based on samples from 840 to 1055', examined by C. Apseuri

<u>Top</u>	<u>Bottom</u>	<u>Thickness</u>	<u>Pennsylvanian, 989 ± feet</u>
840	877	37	Siltstone, light-gray; also clay and shale of red and other colors, probablyavings
877	885	8	Shale, gray, silty, 90%; coal, 10%
885	890	5	Clay, light-gray
890	895	5	Limestone, brown
895	905	10	Shale, very light gray, calcareous, 60%; red shale 40%
905	910	5	Siltstone, green, 50%; yellow to red shale, 50%
910	920	10	Shale, red calcareous
920	927	7	Shale, green, silty
927	952	25	Shale, green, 50%; red and brown shale, 50%
952	962	10	Siltstone, green, with siderite spherulites, 50%; red soft shale, 50%
962	983	21	Clay, red
983	988	5	Shale, green, silty
988	993	5	Limestone, very light brown, 40%; green shale, 50%; red shale, 50%
993	1005	12	Shale, green
1005	1023	18	Clay and soft shale, greenish-gray
1023	1038	15	Clay, brownish (this and several sample above contain red shale, probablyavings)
1038	1045	7	No samples
1045	1050	5	Sandstone, very fine; large amount of brown to red clay and shale, probablyavings
1050	1055	5	Shale, greenish

<u>Top</u>	<u>Bottom</u>	<u>Thickness</u>	
1055	1060	5	Shale, red, 60%; green shale, 40%
1060	1070	10	Siltstone, light-gray, sandy, with siderite spherulites
1070	1080	10	Siltstone, greenish
1080	1085	5	Sandstone, white, fine, calcareous
1085	1133	48	Sandstone, white, medium-grained, slightly calcareous
1133	1143	10	Shale, gray to brown
1143	1169	26	Sandstone, white, medium-grained
1169	1174	5	Siltstone, gray, sandy
1174	1207	33	Sandstone, white, very fine, silty
1207	1226	19	Shale, gray to brown
1226	1230	4	Shale, dark-gray
1230	1236	6	Siltstone, dark-gray
1236	1249	13	Sandstone, white, very fine
1249	1262	13	Siltstone, gray; also some white sandstone and brown-shale
1262	1273	11	Shale, very light-brown
1273	1288	15	Siltstone, very light brown, with siderite spherulites
1288	1296	8	Sandstone, white, very fine, with siderite spherulites
1296	1306	10	Sandstone, white, very fine, 80%; gray siltstone, 20%
1306	1311	5	Sandstone, white, medium-grained, with siderite spherulites
1311	1321	10	Shale, black
1321	1327	6	Shale, dark-gray to brownish
1327	1370	43	Sandstone, white, fine, 70%; gray siltstone, 30%
1370	1378	8	Sandstone, white, fine, 70%; gray siltstone, 30%
1378	1385	7	Shale, gray, silty
1385	1404	19	Shale, gray, 50%; very light brown shale, 50%
1404	1410	6	Siltstone, gray
1410	1429	19	Sandstone, white, fine, 70%; brown clay, 30%
1429	1451	22	Shale, gray to dark-gray and brown
1451	1458	7	Siltstone, gray, with siderite spherulites
1458	1458	7	Sandstone, white, fine, with siderite spherulites, 60%; gray siltstone, 40%
1465	1493	28	Sandstone, white, fine
1493	1516	23	Shale, gray to dark-gray
1516	1536	20	Siltstone, gray, dark-gray and brown

<u>Top</u>	<u>Bottom</u>	<u>Thickness</u>	
1536	1543	7	Shale and siltstone, dark-gray, 60%; white very fine sandstone, 40%
1543	1563	20	Siltstone, gray
1563	1573	10	Shale, gray to dark-gray, silty
1573	1587	14	Shale, gray, light-gray and brownish with siderite spherulites
1587	1615	28	Siltstone, gray to light-gray, with siderite spherulites
1615	1633	18	Shale, gray, to dark-gray
1633	1640	7	Sandstone, white, very fine
1640	1649	9	Shale, gray
1649	1656	7	Sandstone, white, very fine, 50%; gray to dark-gray shale, 50%
1656	1722	66	Sandstone, white, fine
1722	1727	5	Clay, brownish and dark-gray
1727	1779	52	Sandstone, white, fine
<u>Greenbrier Limestone, 51 feet</u>			
1779	1796	17	Limestone, very light-brown
1796	1848	52	Limestone, very light-brown, partly oolitic
1848	1866	18	Limestone, very light brown, sandy, dolomitic
1866	1866	0	<u>Peebles Formation, 470 feet</u>
			Sandstone, white, very fine to fine
1866	1902	36	Sandstone, white, medium-grained
1902	1959	57	Sandstone, white, fine, 80%; gray siltstone, 20%
1959	2010	51	Siltstone, gray to light-gray, partly sandy
2010	2015	5	Shale, gray and brown, silty
2015	2019	4	Shale, gray to dark-gray, 75%; white, very fine sandstone, 25%
2019	2024	5	Siltstone, gray, sandy
2024	2027	3	Sandstone, white, very fine, 70%; gray siltstone, 30%
2027	2032	5	Sandstone, white to light-gray, very fine
2032	2044	12	Shale, gray
2044	2088	44	Shale and siltstone, gray
2088	2125	37	Sandstone, white, very fine, 50%; gray silty shale, 50%
2125	2275	150	Siltstone and silty shale, gray
2275	2326	51	Shale, dark-gray (Sunbury Shale)
2326	2330	4	Sandstone, very fine, pyritic (Berea Sandstone)

<u>Top</u>	<u>Bottom</u>	<u>Thickness</u>	<u>Devonian Shales 261.9 feet</u>
2350	4949	2619	Shales and siltstone, gray to black (details for this interval omitted)
			<u>Huntersville Chert, 119 feet</u>
4949	5068	119	Limestone and chert, brown
			<u>Oriskany Sandstone, 96 ± feet</u>
5068	5121	55	Sandstone, white, fine to coarse (Salt water at 5077')
5121	5162	41	Sandstone, white, fine, calcareous
	5162		Total depth by samples