

Clay-141

Ed. L. Boggs (Mrs. Rodie Hollahan) No. 1 (7002)

Otter District, Clay County, W. Va.

By Pittsburgh and W. Va. Gas Company, Pittsburgh, Pa.

Located 0.45 mi. N. of 80°55' and 0.89 mi. E. of 33°35' -SW- Gasaway Quadrangle;

1.2 mi. S.S.E. of Duck P. O.

Elevation, 1091.0' L.

Permit, Clay-141

Drilling commenced Nov. 9, 1938; completed, Dec. 20, 1938.

Gas well, volume 610,000 cu. ft. per day; rock pressure, 550 lbs. per sq. in. in 24 hrs.

Fresh water at 405 and 938; salt water at 1575 to 1576.

15" wood conductor, 14' (pulled); 10" casing, 431'; 8 1/2", 1653'; 5" tubing, 1757'.

Coal was encountered at 405-407, 638-640, 814-815, 858-859, and 1110-1011.

Hook wall pecker 8 1/2 x 3 set at 1700'.

Top	Bottom	Thickness	
			691+
			<u>Pottsville Formation, 256 feet</u>
802	814	12	Sandstone, white, fine
814	815	1	Coal
815	820	5	Shale, black
820	826	6	Siltstone, gray, shaly
826	832	6	Sandstone, gray, very fine, shaly, micaceous
832	850	18	Shale, gray; last 7 feet very dark
850	858	8	Sandstone, gray, very fine; with considerable amount of gray shale
858	859	1	Coal
859	900	41	Shale and siltstone, gray, micaceous
900	935	35	Sandstone, gray, fine to very fine, shaly, micaceous
935	945	10	Shale, black
945	1000	55	Sandstone, white, fine; contains a few siderite spherulites
1000	1011	11	Sandstone, gray, very fine, with streaks of mica and carbonaceous material
1011	1050	39	Shale, dark-gray; some lighter gray shale and a little very fine white sandstone from 1033 to 1050
1050	1073	23	Sandstone, gray, very fine, shaly; contains dark streaks of carbonaceous material
1073	1085	12	Shale, black
1085	1090	5	Sandstone, gray, very fine, shaly

Top	Bottom	Thickness	
1090	1105	15	Shale, black
1105	1110	5	Shale, gray
1110	1111	1	Coal
1111	1122	11	Shale, mixed dark- and light-gray
1122	1165	43	Shale, dark-gray
1165	1190	25	Shale, dark- to medium-gray, a little light-gray, very fine sandstone in top 5 feet
1190	1203	13	Sandstone, light-gray, very fine
1203	1233	30	Shale, gray, silty; very dark toward bottom
1233	1240	7	Shale, black; with a little coal
1240	1291	51	Shale, dark-gray, interstratified with gray to brown siltstone; contains siderite partly in small spherulite (1250 to 1259 especially)
1291	1297	6	Shale and siltstone, mostly light-gray, with siderite spherulites
1297	1367	70	Sandstone, white, mostly fine; some medium-grained in bottom 20 feet
1367	1376	9	Shale, dark-gray
1376	1493	120	Sandstone, very light gray, mostly coarse, not very well sorted; a few samples are pebbly; there is a dark shaly streak between 1450 and 1458 <i>Mauch Chunk Group, 266 + feet</i>
1493	1515	22	Sandstone, light-gray, very fine and broken mostly in small chips
1515	1635	120	Sandstone, white to light-gray, mostly with brown iron rust stains, medium- to fine-grained, nearly all quartz Mauch Chunk Group, 124 feet
1635	1655	20	Shale, gray, with abundant pyrite at top; some highly calcareous fragments in sample from 1638 to 1645
1655	1674	19	Sandstone, gray, fine to very fine with a few coarse grains
1674	1703	34	Limestone, dark-gray to brownish with a few white spots
1703	1754	46	Sandstone, white, fine; interstratified with about 40% of gray and green soft shale; the last sample (1750 to 1754) is more shale than sandstone
	1758		Total depth