

Clay-140

Ed. L. Myer and Adena Corp. No. 1 (7633)

Otter District, Clay County, W. Va.

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

Located 3.6 mi. W. of 30°55' and 4.29 mi. S. of 38°40' -NW- Gasaway Quadrangle;

1.76 mi. S. W. of Servia.

Elevation, 1108' L.

Permit, Clay-140

Drilling commenced Nov. 9, 1933; completed, Dec. 29, 1933.

Fresh Water at 110, salt water at 1465.

13" wood conductor, 13'; 10" casing, 400'; 8 1/2", 1545'; 6-5/8", 1902'.

No coal is reported from above where samples start at depth of 900 feet.

The last "red rock" in the Conemaugh is at 225 to 268. *The location of the top of the Mauch Chunk is very doubtful.*

Top	Bottom	Thickness	<sup>829+</sup> <u>Pottsville Formation, 312 feet</u>
900	932	32	Shale and siltstone, dark-gray
932	954	22	Sandstone, light-gray, fine; contains mica, chlorite and siderite
954	985	31	Siltstone, gray, shaly, micaceous
985	1080	45	Sandstone, greenish-gray, very fine; with nearly equal amount of dark-gray micaceous shale and siltstone
1080	1106	76	Sandstone, light-gray, fine, micaceous
1106	1132	26	Siltstone, gray, shaly, micaceous; with a little brown shale
1132	1184	52	Sandstone, gray, very fine, shaly, micaceous; breaks mostly in chips, some rather large
1184	1240	56	Sandstone, brownish-gray, fine; contains some very thin streaks of coal
1240	1295	55	Shale, dark-gray, with siderite concretions; small amounts of siltstone and very fine sandstone
1295	1310	15	No sample
1310	1358	48	Shale, dark-gray; contains siderite concretions and is interstratified with lighter gray siltstone
1358	1415	57	Siltstone, light- and dark-gray, shale
1415	1465	50	Sandstone, white, fine; a little dark shale in all samples and a little coal from 1450 to 1456
1465	1510	45	Sandstone, white, fine; stained yellow from 1465 to 1480; four bailers of salt water per hour at 1465; differs from sandstone above in being more thoroughly broken up into individual grains and in not having any shale with it

Top	Bottom	Thickness	
1510	1522	12	Coal (this thickness reported by driller, but according to samples it seems less)
1522	1546	24	Siltstone, gray; almost a sandstone at top and finer and more shaly toward bottom
1546	1600	54	Sandstone, white, fine, 60%; dark-gray shale, 40%; the shale and sandstone are apparently interstratified throughout this interval
1600	1680	80	Sandstone, white, with small amount of rust stain; medium- to fine-grained; mostly quartz but contains small amount of mica and kaolin; some gray, silty shale between 1680 and 1675
1680	1729	49	Sandstone, gray, fine; darker and finer than interval above
1729	1759	30	<u>Mauch Chunk Group, 203 feet</u> Sandstone, white, fine
1759	1806	47	Siltstone, gray, containing siderite, pyrite and mica; below 1758 it is lighter color and coarser, almost a sandstone
1806	1819	13	Sandstone, nearly white, very fine
			<del>Mauch Chunk Group, 115 feet</del>
1819	1832	13	Shale, gray and green, highly dolomitic; with nearly equal amount of white, very fine pyritic sandstone
1832	1865	33	Shale, red with small amount of green, soft, calcareous
1865	1907	42	Limestone, dark-brown with some gray and white; gray shale about 10%
1907	1917	10	Sandstone, white, very fine, partly calcareous
1917	1932	15	Shale, dark-gray, soft, fissile, not calcareous
			<u>Greenbrier Limestone, 187 feet</u>
1932	1961	29	Limestone, gray; fragments vary from light-gray to fairly dark brown; large amount of dark-gray shale savings to 1962
1961	1993	32	Limestone, brownish-gray, oolitic, sandy
1993	2020	27	Limestone, light-gray to slightly brownish; upper part contains a little sand and bottom six feet some green calcareous siltstone
2020	2028	8	Limestone, dark-brown, sandy, containing a few oolites
2028	2062	34	Limestone, light-gray
2062	2077	15	Limestone, light-brown, very sandy, oolitic
2077	2113	36	Limestone, light-gray at top grading into brown toward bottom; mostly very fine textured; slightly dolomitic

Top	Bottom	Thickness	
2115	2119	6	Limestone, light-brown, sandy; contains a few oolites <u>Pocono, Catskill, etc., 815 feet</u>
2119	2139	20	Shale, red and green, partly silty
2139	2188	49	Shale, gray; interstratified with large proportion of gray to grayish-green siltstone
2188	2242	54	Siltstone, grayish-green, micaceous
2242	2279	37	Shale, gray, silty
2279	2400	121	Shale and siltstone, gray about equal amounts of the two rocks
2400	2469	69	Shale, dark-gray, mostly silty; contains considerable pyrite
2469	2484	15	Shale, gray with considerable proportion of gray and grayish red siltstone
2484	2502	18	Siltstone, grayish-green, interstratified with nearly equal amount of gray shale
2502	2545	43	Shale, grayish-red, partly silty; with about equal amount of gray to grayish-green shale
2545	2569	24	Siltstone, grayish-green with small amount of brown to reddish
2569	2650	81	Shale and siltstone, grayish-green mixed with varying amounts of neutral-gray and grayish-red
2650	2887	237	Shale and siltstone, gray to grayish-green; the siltstone is mostly greener than the shale
2887	2928	41	Siltstone brown (grayish-red), micaceous
2928	2934	6	Shale and siltstone, gray to grayish-green
	2934		Total depth