

WAY-117

Glenhayes Company No. 1 (488) Well

Lincoln District, Wayne County, W. Va.

By The Owens, Libbey-Owens Gas Department, Charleston, W. Va.

Located, 4.27 mi. W. of 82°25' and 4.97 mi. S. of 38°00' -NW- Naugatuck Quadrangle, on Tug River.

Elevation, 640' L.

Permit, Way-117.

Drilling commenced August 16, 1937; completed October 4, 1937.

Gas well; volume 744,000 cu. ft. per day; rock pressure, 512 lbs. in 45 hrs.; producing from Big Line.

Coal was encountered at 19 to 24 and 270 to 274'.

Salt water at 520'.

8 1/2" casing 305'; 6-5/8", 1112'; 5-5/16", 1241'; all left in.

Driller's record from 1775 to 1903', samples from 1903 to 2903'.

Top	Bottom	Thickness	
1775	1785	10	Shale, brown, soft (Sunbury Shale)
1785	1800	15	Sand, light, hard (Berea)
1800	1805	5	Slate, light, medium
1805	1815	10	Sandy lime, white, hard
1815	1825	10	Sand, white, hard (base of Berea at 1825')
<u>Bevonian Shales, 1074 feet</u>			
1825	1903	78	Slate and shells, white, medium
1903	1915	12	Shale, black
1915	1991	76	Shale, dark-gray to black
1991	2039	48	Shale, gray, much lighter than preceding, slightly calcareous
2039	2071	32	Shale, dark-gray
2071	2145	74	Shale, gray
2145	2297	152	Shale, dark-gray, somewhat brownish
2297	2338	41	Shale, gray, much lighter than last
2338	2464	126	Shale, dark-gray, somewhat brownish, with much smaller amounts of light-gray in some parts
2464	2476	12	Siltstone, light-gray to grayish-yellow, slightly calcareous; samples also contain light- and dark-gray shale, perhaps mostly cavings
2476	2607	131	Shale, dark-gray to nearly black, in part somewhat brownish; large number of spores in lower part
2607	2839	232	Shale, gray to grayish-green with small amount of dark-gray

Top	Bottom	Thickness	
2839	2899	60	Shale, dark gray to black; contains abundant pyrite; sample from 2871 to 2879 contains a little gray, impure limestone (gas, 2894'; increase, 6000 cu. ft.)
			<u>Heiderberg Limestone, 4 feet</u>
2899	2903	4	Limestone, light brownish gray, very cherty; contains much solid blue gray chalcedony; a little dolomite in small white rhombs
	2903		Total depth