

WAY-261

O. W. Mills No. 1 (625) Well

Union District, Wayne County, W. Va.

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

Located 0.84 mi. W. of S2°20' and 2.29 mi. S. of 38°15' - NC-Wayne Quadrangle.

Elevation, 930.7' L.

Permit, Way-261

Drilling commenced Oct. 30, 1941; completed Dec. 13, 1941.

Shot Dec. 12, 1941, depth 2708-3169'.

Volume, 113,000 cu. ft; rock pressure 410 lbs. in 24 hours.

Fresh water 80, 131'; salt water 940', hole full

8 1/2" casing 665'; 6 5/8", 1391'; 3" tubing 3161'.

Section based on samples from 1320 to 3476' examined by C. N. Apocuri.

Top	Bottom	Thickness	
			<u>Greenbrier Limestone, 171 feet</u>
1370	1395	25	Limestone, light-brown to nearly white (top Big Line at 1370' in driller's record)
1395	1403	8	Limestone, greenish-gray, shaly
1403	1453	50	Limestone, light-brown to nearly white
1463	1458	5	Limestone, light-brown, sandy
1458	1472	14	Limestone, light-gray, sandy, colitic
1472	1490	18	Limestone, light-gray to light-brown
1490	1493	3	Limestone, nearly white, colitic, slightly sandy
1493	1510	17	Limestone, very light gray, silty
1510	1524	14	Limestone, white, dolomitic
	1541		Bottom of Big Line in driller's record; no samples, 1524-1566'
			<u>Maccrady and Pocono Formation, 659 feet</u>
1566	1572	6	Siltstone, red, 60%; gray shaly siltstone, 40%
1572	1578	6	Siltstone, red
1578	1584	6	Shale, gray, silty, 75%; red siltstone, 25%
1584	1599	15	Shale and siltstone, gray
1599	1607	8	Sandstone, white very fine, almost a siltstone
1607	1621	14	Sandstone, white very fine, silty, containing some large quartz grains
1621	1636	15	Sandstone, white, very fine
1636	2068	432	Shale, gray; also a little siltstone and brown shale
2068	2136	68	Shale, and siltstone, gray
2136	2167	31	Shale, very dark gray (Sunbury Shale)

Top	Bottom	Thickness	
2167	2200	33	Sandstone, light-gray to white, very fine; samples also show much gray shale (Berea Sandstone; top and bottom located from driller's record)
			<u>Devonian Shales, 1275 feet</u>
2200	3475	1275	Shale, gray to black; also some siltstone (details of this interval omitted)
			<u>Huntersville Chert? (Corniferous)</u> , 2 + feet
3475	3476	1	Limestone, dark brownish gray, pyritic
	3477		Total depth