

Way-271

J. P. Barbour and W. F. Dunkle No. 1 (645) Well

Union District, Wayne County, W. Va.

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

Located 0.97 mi. S. of 38° 20' and 0.63 mi. W. of 82° 25' - SW - Guyandot
Quadrangle.

Commenced Sept. 10, 1942; completed Dec. 10, 1942.

Elevation, 638.54' L.

Permit Way-271.

Gas well in Big Six; 119,000 cu. ft. and 1360 lbs. Rock Pressure.

Section based on samples from 1244 to 1602, and 2070 to 2123', examined
by J. H. C. Martens. Survey also has samples 2491 to 2041'.

			Thick-	
Top.	Bottom.	ness.		<u>Greenbrier Limestone, 189 feet</u>

1244				Top of "dark lime" in driller's record.
1248	1271	23		Limestone, brown to light-brown
1271	1313	42		Limestone, very light-brown; contains some oolites and micro-fossils; a few pieces of light-green shale are present in each sample, but they probably come from the top of this interval.
1313	1413	100		Limestone, very light-brown to white
1413	1433	20		Limestone, light-brown, dolomitic, slightly sandy

Pocono Formation, 680 feet

1433	1439	6		Shale, dark-gray, 80%; green silty shale, 20%
1439	1508	69		Siltstone, gray, coarse and sandy
1508	1541	33		Siltstone, gray, coarse; contains a few very coarse rounded quartz grains
1541	1584	43		Sandstone, light-gray, very fine; not much coarser than the siltstone above
1584	1588	4		No sample
1588	1602	14		Siltstone and silty shale, gray
1602	2070	468		No sample
2070	2084	14		Shale, black (Sunbury Shale)
2084	2090	6		Sandstone, white, very fine; much pyrite in some fragments (Berea Sandstone)
2090	2113	23		Siltstone, nearly white, coarse, 80%; gray silty shale, 20%

Thick-
Top. Bottom. ness.

Devonian Shales, 1125 feet

2113	2123	20	Shale, gray, 50%; light-gray siltstone, 50%
3238			Top Corniferous in record.
	4042		Total depth.