

Way-229

J. D. Baker No. 1 (593) Well

Union District, Wayne County, W. Va.

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

Located 0.7 mi. W. of 82°25' and 5.7 mi. S. of 38°20' -SW- Guyandot quadrangle.

Elevation, 590.9' L.

Permit, (Way-229)

Drilling commenced Jan. 13, 1941; completed March 4, 1941.

Shot March 2, 1941, depth 2461-2941'.

Volume 169,000 cu. ft.; rock pressure 475 lbs. in 24 hrs.

Fresh water 595 and 900'.

13" casing 27'; 8 1/2", 250'; 6-5/8", 1572'; 5-3/16", 597'; 3", 2941'.

Section based on samples from 1189 to 3165', examined by C. N. Apocuri (omitting part of Devonian Shales)

Top	Bottom	Thickness	
<u>Greenbrier Limestone, 168 feet</u>			
1189	1287	98	Limestone, light-brown to white
1307	1307	20	Limestone, very light brown, slightly sandy, 80%; light-green limestone, 20%
1307	1317	10	Limestone, very light brown
1317	1342	25	Limestone, very light brown, oolitic, slightly sandy
1342	1357	15	Limestone, brown, dolomitic
<u>Pocono Formation, 677 feet</u>			
1357	1371	14	Siltstone, gray, sandy, pyritic
1371	1382	11	Sandstone, gray, very fine
1382	1387	5	Shale, gray, silty
1387	1413	26	Siltstone, light-gray, sandy
1413	1428	15	Siltstone, light-gray, sandy, 80%; coarse quartz sand grains, 20%
1428	1457	29	Siltstone, gray to greenish-gray, sandy
1457	1467	10	No samples
1467	1483	16	Sandstone, white, very fine, pyritic; contains some coarser grains
1483	1493	10	Sandstone, white, very fine, pyritic
1493	1498	5	Siltstone, gray, 75%; white sandstone, 25%
1498	1516	18	Siltstone, gray and brown, partly sandy (depth corrected from 1498 to 1508 1/2' making this interval 8 1/2' too large)

Top	Bottom	Thickness	
1516	1541	25	Siltstone, gray to white, 60%; brown shale, 20%
1541	1559	18	Shale, gray and brown
1559	1571	12	Shale, gray, silty, 60%; gray and brown sandy siltstone, 50%
1571	1576	5	Siltstone, gray, shaly
1576	1763	187	Shale, gray
1763	1786	23	Shale, gray, pyritic
1786	1797	11	No samples
1797	1831	34	Shale, gray
1831	1879	48	Shale and siltstone, gray
1879	1899	20	Shale, gray
1899	1954	55	Shale, gray, 50%; gray to white siltstone, 50%
1954	1974	20	Shale, gray
1974	1992	18	Shale, very dark gray, 70%; light-gray shale, 30% (Sunbury Shale)
2003			Depth corrected from 1992 to 2003' by SLM
2003	2009	6	Sandstone, white, very fine, pyritic (Berea Sandstone; show of oil at 2003')
2009	2025	16	Sandstone, white, very fine, 75%; gray, silty shale, 25%
2034			Bottom of Berea from driller's record; no samples, 2025-2043'
<u>Devonian Shales, 1123 feet</u>			
2043	2061	18	Siltstone, light-gray, sandy, 60 to 70%; gray shale, 40 to 30%
2061	2108	47	Shale, light-gray, 75%; brown siltstone, 25%
2108	2145	37	Shale, light-gray, 50%; very dark-gray shale, 50%
2145	2150	6	Shale, very dark gray, silty
2150	3063	913	Samples not examined
3063	3116	53	Shale, light greenish gray, 80%; very dark gray shale, 20%
3116	3157	41	Shale, very dark gray
<u>Huntersville Chert? (Corniferous), 8+ feet</u>			
3157	3164	?	Limestone, brownish-gray, very cherty, pyritic
3164	3165	1	Chert, light-gray, calcareous
3165			Total depth by samples
3158			Total depth by driller's record