

John P. Toney et al. No. 1 (558) Well

Washington District, Kanawha County, W. Va.

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

Located, 0.73 mi. W. of 81°45' and 2.8 mi. S. of 38°20' -SE- St. Albans Quadrangle.

Elevation, 799.9' L.

Permit, Kan-649.

Drilling commenced Aug. 28, 1939; completed, Nov. 6, 1939.

Shot Nov. 9, 1939, at 3396-3950'.

Dry hole (gas shows only).

Fresh water at 52 and 123'; salt water at 965'.

13" casing, 23'; 10", 321'; 8 1/4", 1614'.

Coal was encountered at 419-423'.

Samples from 2246 to 4780' examined by C. Apsouri; other information from driller's record.

Top	Bottom	Thickness	
<u>Mauch Chunk Group, 867 feet</u>			
1504	1508	4	Red rock, soft
1508	1559	51	Slate and shells dark
1559	1592	33	Little Lime, dark hard
<u>Greenbrier Limestone, 185 feet</u>			
1592	1777	185	Big Lime, white and yellow, hard
<u>Maccrady Formation, 58 feet</u>			
1777	1835	58	Big Injun Sand, red
<u>Pocono Formation, 427 feet</u>			
1835	2246	411	Slate and shells
2246	2254	8	Shale, shale, dark-brown (Sumbury Shale)
2254	2262	8	Sandstone, white, fine pyritic (Berea Sandstone)
<u>Devonian Shales, 2401 feet</u>			
2262	2420	158	Shale, gray, partly silty
2420	2453	33	Siltstone, gray, shaly
2453	2507	54	Shale, gray to brownish, silty

Top	Bottom	Thickness	
2507	2529	22	Siltstone, gray
2529	3019	490	Shale, gray to light-gray
3019	3051	32	Shale, gray, 70%; dark-gray shale, 30%
3051	3141	90	Shale, gray to light-gray
3141	3277	136	Shale, light-gray, 50 to 60%; gray to dark-gray shale, 50 to 40%
3277	3447	170	Shale, mostly light-gray
3447	3501	54	Shale, dark to very dark gray, 50%; light-gray shale, 50%
3501	3511	10	Shale, light-gray, silty
3511	3537	26	Shale, gray to very dark gray, silty
3537	3546	9	Shale, gray
3546	3565	19	Shale, light-gray, silty
3565	3583	18	Shale, light-gray, 60%; very dark gray shale, 40%
3583	3623	40	Shale, gray
3623	3656	33	Shale, gray, 40 to 50%; dark-gray shale, 60 to 50%
3656	3725	67	Shale, gray
3725	3749	24	Shale, dark-gray
3749	3781	32	Shale, gray
3781	3802	21	Shale, gray and dark-gray
3802	3826	24	Shale, gray
3826	3863	37	Shale, brownish-gray, containing spores
3863	3874	11	Shale, dark-gray
3874	3931	57	Shale, very dark gray
3931	3984	53	Shale, light- to dark-gray
3984	4454	470	Shale, light-gray, 75 to 90%; darker gray and brownish shale, 25 to 10%
4454	4649	195	Shale, dark-gray, mostly brownish
4649	4663	14	Shale, black, pyritic
<u>Huntersville Chert, 86 feet</u>			
4663	4667	4	Limestone, brown
4667	4695	28	Limestone, brown, very cherty
4695	4733	38	Limestone, brown, very cherty; contains varying amounts of silt and fine sand, a little glauconite and a little dolomite

Top Bottom Thickness

4733 4749 16 Limestone, brown, very sandy, cherty; contains some
glaucinite and dolomite

Oriskany Sandstone, 16 feet

4749 4756 7 Sandstone, white, coarse, calcareous; grains frosted
and subrounded

4756 4765 9 Sandstone, white, medium-grained, highly calcareous

Helderberg Group, 15 feet

4765 4780 15 Limestone, brown, very cherty

4780 Total depth