

Way-194

Heard Baldwin No. 21 (572) Well

Stonewall District, Wayne County, W. Va.

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

Located 5.55 mi. S. of 38° 10' and 3.02 mi. W. of 82° 20' - C- Wayne Quadrangle

Elevation 1009.2'L.

Permit way - 194

Drilling commenced May 23, 1940; completed July 15, 1940; Shot July 10, 1940; depth 1591 - 1616'

Gas Well; volume 61,000 cu. Ft.; rock pressure 394 lbs.

8 1/2" casing, 643'; 6 5/8", 1392'

Fresh water at 328'; salt water at 946'

Coal was encountered at 325-328, 459-462, 547-551, and 621-624'

Section based on samples from 1312 to 3362' examined by C. Apsouri

<u>Top</u>	<u>Bottom</u>	<u>Thickness</u>	<u>Mauch Chunk Group, 49+ Feet</u>
1312	1328	16	Shale, light-brown, soft, 60%; white, medium-grained sandstone, 40% (drillers record gives dark, hard line, 1301-1340')
1328	1336	8	Shale and siltstone, gray to light-brown
1336	1341	5	Shale, light-brown; also considerable amount of light-brown dolomite
1341	1361	20	Limestone, brown, fossiliferous (driller's record gm top of "Big Line" as 1340')
1361	1411	50	Limestone very light brown; oolitic, 1366-1372' and 1384-1389'
1411	1423	12	Limestone, very light-brown, sandy, partly oolitic
1423	1441	18	Limestone, nearly white, somewhat dolomitic
1441	1446	5	Limestone, white, slightly sandy, oolitic
1446	1473	27	Limestone, nearly white; oolitic, 1455-1462'
1473	1489	26	Limestone, greenish, dolomitic; some sandy and chert
1489	1511	22	Limestone, nearly white, oolitic
1511	1527	16	Limestone, very light-brown
1527	1543	16	Limestone, very light-brown, dolomitic, slightly sandy
1543	1557	14	<u>Macerady Formation, 14 feet</u> Siltstone, red
			<u>Pescene Formation, 603 feet</u>
1557	1568	11	Siltstone, green
1568	1626	58	Sandstone, white to greenish, very fine, silky

<u>Top</u>	<u>Bottom</u>	<u>Thickness</u>	
1626	1640	14	Siltstone, gray
1640	2110	470	No samples
2110	2116	6	Shale, gray
2116	2142	26	Shale, dark-gray, pyrite (Sunbury Shale)
2142	2160	16	Sandstone, white, very fine, pyritic (Berea Sandstone; (driller's record gives base of Berea at 2170')

Devonian Shales, 1197 Feet

2160	3357	1197	Shales, gray to black and dark-brown; also small amounts of siltstone; not described in detail because of incomplete samples
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Onondaga or Helderberg, 5 1/2 feet

3357	3362	5	Limestone, light-brown, impure; small amount of shaly siltstone rich in biotite (top of driller's "Coruiferous" at 3357')
	3362		Total depth