

Way-246

Koonce and Zimmerman No. 3 (609) Well

Lincoln District, Wayne County, W. Va.

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

Located 3.57 mi. W. of 82°25' and 5.07 mi. S. of 38°05' - WC - Wayne

Quadrangle.

Elevation, 1101.9' L.

Permit Way -246

Drilling commenced July 8, 1941; completed, Aug. 12, 1941.

Gas well, volume 55,000 cu. ft.

Rock pressure 350 lbs. in 24 hours.

Salt water, 1029'.

Coal 53', 36"; 152', 24"; 332', 36"

8 5/8" casing, 751'; 7", 1460'; 3" tubing, 3309'

Section based on examination of samples from 1466 to 3309' by C. H. Apssouri.

Greenbrier Limestone, 192 feet

Top	Bottom	Thickness	
1457			Top "Big-Lime" from driller's record
1466	1474	8	Limestone, very light-brown
1474	1482	8	Limestone, light-brown, somewhat oolitic
1482	1546	64	Limestone, brown to nearly white
1546	1556	10	Limestone, nearly white, somewhat sandy
1556	1561	5	Limestone, nearly white
1561	1578	17	Limestone, nearly white, oolitic, somewhat sandy
1578	1610	32	Limestone, white to light-brown (gas 1595', 30,000 cu. ft.)
1610	1627	17	Limestone, nearly white, oolitic
1627	1634	7	Limestone, very light brown and green, partly dolomitic
1634	1641	7	Limestone, very light brown, dolomitic
1641	1649	8	Dolomite, dark-brown

Pocono Formation, 541 feet

1649	1659	10	Sandstone, green, very fine; contains specks of siderite and pyrite
1659	1679	20	Sandstone, green, very fine, 50%; dark-green shale, 50%; (gas 1669-1679', 33,000 cu. ft.)
1679	1689	10	Sandstone, white, very fine
1689	1699	10	Siltstone, very light gray, sandy, 80%; dark-gray shale, 20%
1699	1710	11	Siltstone, very light gray, sandy, 50%; dark-gray shale, 50%

Top	Bottom	Thickness	
1710	1721	11	Sandstone, white, very fine
1721	1759	38	Shale and siltstone, gray
1759	1979	220	Shale, gray
1979	2035	56	No samples
2033	2123	95	Shale, gray
2123	2176	43	No samples
2176	2190	14	Shale, very dark gray, 90%; sandstone, white to light-gray, very fine, with large proportion of pyrite in some fragments, 10% (Sunbury Shale and Berea Sandstone; the Berea apparently occurs from about 2188 to 2190')

Devonian Shales, 1114 feet

2190	2200	10	Shale, gray, with some sandy siltstone
2220	2256	36	Shale, gray, 60 to 70%; white, very fine sandstone, 40 to 30%; the driller's record includes the interval 2190 to 2236' with the Berea
2256	2263	7	Shale, light-gray, 80%; gray siltstone, 20%
2263	2292	29	No samples
2292	2305	13	Shale, very light-gray
2305	3109	804	Samples not described (gas at 2854 and 2879')
3109	3188	79	Shale, light greenish gray
3188	3243	55	Shale, light greenish gray, 50%; dark-gray shale, 50%
3243	3263	20	Shale, dark-gray to very dark gray, pyritic
3263	3287	24	Shale, dark-gray to very dark-gray, 60%; gray limestone, 40%
3287	3304	17	Shale, very dark gray

Huntersville Chert, 5+ feet

3304	3309	5	Chert and cherty limestone, very light gray
	3309		Total depth