

John T. Shumate No. 1 Well.

Forest Hill District, Summers County; on Crooked Run of New River 0.6 mile northeast of Neponset; completed September 2, 1929; authority, The Bozoo Company; elevation, 2040'B.

	Thickness. Feet.	Total. Feet.		
<u>Mauch Chunk Series-Hinton Group (50'+).</u>				
Surface soil and loose sandstone.....	12	12		
Sandstone, gray (small amount of water at 20').....13'	} <u>Stony Gap Sandstone</u>	50		
Sandstone, grayish-white.....25'				
<u>Mauch Chunk Series-Bluefield Group (1235')</u>				
<u>Shale, Coney and Clayton</u> , red and brown.....	110	160		
<u>Limestone, Graham</u> , bluish-gray, shaly.....	10	170		
<u>Shale, Upper and Lower Graham</u> , reddish-brown or gray.....	130	300		
<u>Shale, gray, calcareous, horizon of Bertha Sandstone</u>	25	325		
<u>Shale, Upper Bertha</u> , reddish-brown, sandy.....	55	380		
<u>Limestone, Bertha</u> , gray, shaly.....	20	400		
<u>Shale, gray, calcareous</u>62'	} <u>Lower Bertha Shale</u>	90		
<u>Shale, red</u>28'				
<u>Shale, gray</u>128'	} <u>Horizons of Bradshaw</u>	132		
<u>Shale, dark-gray</u>4'				
<u>Sand, Indian Mills</u> , grayish-white.....	53	622		
<u>Shale, Possumtrot</u> , soft, gray.....	2	675		
<u>Sandstone, Droop (Maxton Sand)</u> grayish-white.....	65	677		
<u>Shale, Ada</u> , dark-gray, calcareous.....	108	742		
<u>Shale, brownish-gray</u>10'	} <u>Bickett Shale</u>	50		
<u>Shale, gray, sandy</u>40'				
<u>Shale, gray, sandy and calcareous, horizon of Webster Springs Sandstone</u>	50	850		
<u>Limestone, Glenray</u> , dark gray, shaly.....	53	900		
<u>Shale, gray, soft</u>52'	} <u>Lillydale Shale</u> <u>(Pencil Cave)</u>	257		
<u>Shale, gray, soft</u>10'				
<u>Shale, gray, soft, calcareous</u>145'				
<u>Shale, dark-brown, soft</u>50'				
<u>Sandstone, Edray</u> , dark gray, shaly, impure.....	25	1060		
<u>Greenbrier Series (1375')</u>				
<u>Limestone, gray</u>25'	} <u>Alderson Limestone</u> ..	250		
<u>Limestone, dark-gray</u>90'				
<u>Limestone, bluish-gray</u>135'				
<u>Limestone, gray, hard, sandy</u> ...30'				
<u>Limestone, dark-gray</u>110'				
<u>Limestone, light-gray</u>75'	} <u>Union Limestone</u>	380		
<u>Limestone, gray</u>100'				
<u>Limestone, light-gray</u>65'				
<u>Limestone, dark-gray, shaly</u> ...100'				
<u>Limestone, light-gray</u>10'				
<u>Limestone, light-gray</u>65'	} <u>Pickaway Limestone</u> ..	385		
<u>Limestone, gray, shaly</u>10'				
<u>Limestone, dark-gray</u>200'				
<u>Limestone, Taggard</u> , gray, shaly.....			100	2300
<u>Limestone, bluish-gray</u>120'			} <u>Patton Limestone</u>	140
<u>Limestone, gray, hard</u>20'				
<u>Limestone, Sirks Grove</u> , dark, bluish-gray.....	120	2540		
<u>Maccrady Series (160')</u>				
<u>Shale, gray</u>	25	2660		
<u>Shale, gray, very soft</u>	10	2685		
<u>Shale, gray, sandy and calcareous</u>	35	2695		
<u>Shale, reddish-brown and gray</u>	90	2730		
<u>Pocono Series (103'+)</u>				
<u>Sandstone, gray, calcareous</u>30'	} <u>Squaw Sand</u>	103		
<u>Shale, bluish-gray</u>20'				
<u>Limestone, bluish-gray, shaly</u> ..10'				
<u>Shale, dark, soft, sandy</u>5'				
<u>Sandstone, gray, shaly</u>31'				
<u>Sandstone, dark-gray, with quartz pebbles (gas, 2916-2923')</u>7'	7	2820		
<u>Total depth</u>		2923		

Gas test, 2,500,000 cu. ft.

Rock pressure, 635 lbs. in 30 minutes in 8-1/4" casing after