

F. M. MINNEY NO. 4669 WELL.

Center District, Gilmer County, W. Va.
 By Hope Natural Gas Co., 445 W. Main St., Clarksburg, W. Va.
 Location made 12-12-1916; first work done 12-14-1916.
 Rig commenced 1-12-1917; rig completed 1-19-1917.
 Drilling commenced 2-1-1917; drilling completed 3-17-1917.
 Rig contractor: Snyder Bros. Drilling contractor: Hope Drilling Dept.
 Drillers: J. O. Howard and P. F. Delan.
 Tool dressers: Chas. B. Stalnaker and Howard Stalnaker.
 10" casing, 156' (pulled); 8 $\frac{1}{4}$ " , 960' (pulled); 6 $\frac{5}{8}$ " , 1862'.
 Steel-line measurements of casing: 10" , 155'; 8 $\frac{1}{4}$ " , 953'; 6 $\frac{5}{8}$ " , 1859'.
 Packer record: 8 $\frac{1}{4}$ " , steel shoe; 6 $\frac{5}{8}$ " , steel shoe.
 Well was not shot.
 Casing not cemented.
 Record to RCT from H. E. Swisher, Hope N.G.Co., Dec. 16, 1947.

	Top.	Bottom.	S-L.Meas.
Big Dunkard Sand	921	- 1029	921
Gas Sand (gas, 1185', not enough to test)	1140	- 1192	1140
First Salt Sand	1198	- 1265	1198
Maxton Sand (salt water, 1780')	1730	- 1814	1730
Pencil Cave	1814	- 1823	1814
Big Lime	1823	- 1948	1823
Big Injun Sand (gas,.....'(?), 3/10 W. through $\frac{1}{4}$ " opening)	1948	- 2034	1948
Total depth		3100	3100

No sands found below Big Injun Sand.