

H. H. Berry et al. No. 1 (7656) Well

Glenville District, Gilmer County, W. Va.

By Pittsburgh and West Virginia Gas Co., Pittsburgh, Pa.

Located 3.5 mi. W. of 80°45' and 4.8 mi. S. ^{31°00'} of -NE- Glenville Quadrangle; 1 mi. E. of Glenville.

Elevation 755' B.

Permit Gil-371.

Drilling commenced July 21, 1939; completed, Sept. 3, 1939.

Shot Sept. 1, 1939 at 1589-96'.

Gas well; volume, 262,000 cu. ft.; rock pressure, 625 lbs. in 36 hrs.

Fresh water at 108 and 290'.

13" casing, 72'; 10", 161'; 8 1/2", 807'; 6-5/8", 1466'.

Coal was encountered at 286-292'.

Nearly complete set of samples examined by C. Apsouri. Information on missing intervals supplied from driller's record.

Well starts in Conemaugh Formation about 170 feet below Pittsburgh Coal horizon.

Top	Bottom	Thickness	
<u>Pennsylvanian, 1347+feet</u>			
0	10	10	Shale, yellowish-green
10	18	8	Sand, gray, open
18	50	32	Red rock, soft
50	70	20	Sand, gray, open
70	100	30	Sandstone green, very fine, silty
100	132	32	Red rock, soft (hole full of water at 108')
132	167	35	Siltstone, yellow and green
167	187	20	Siltstone, green, 75%; red shale 25%
187	211	24	Siltstone?
211	261	50	Shale, red, 85%; green shale, 15%
261	268	7	Shale, light-brown
268	280	12	Siltstone, green, shaly, with siderite spherulites
280	286	6	Shale, black, pyritic
286	292	6	Coal, pyritic (water, 290', 4 bailers per hour)
292	315	23	Shale, light greenish gray
315	330	15	Siltstone, green, sandy, micaceous
330	361	31	Clay or soft shale, light-gray; fragments fall to pieces when wet

Top	Bottom	Thickness	
361	412	51	Shale, green to greenish-gray
412	421	9	Shale, red
421	430	9	Shale, green, 75%; green shaly siltstone, 25%
430	457	27	Siltstone, green, sandy, with siderite spherulites
457	482	25	Sandstone, light-green, silty, micaceous
482	500	18	Lime, white, hard (no samples from 482 to 700')
500	525	25	Slate, white, soft
525	563	38	Slate and shell, white, hard and soft
563	589	26	Lime, white, hard (probably siltstone)
589	598	7	Slate, white, soft
598	651	55	"Big Dunkard Sand", white, hard
651	654	3	Slate, white, soft
654	676	22	Sand, white, hard
676	700	24	Slate, white, hard and soft
700	720	20	Sandstone, white, fine- to medium-grained, 80%; black siltstone, 20%
720	730	10	Siltstone, nearly white, with siderite spherulites
730	760	30	Siltstone, very dark gray, shaly
760	770	10	Sandstone, white, medium-grained
770	790	20	Shale, gray (this interval is reported as white sand)
790	890	100	Siltstone, gray to light-gray, mostly shaly
890	900	10	Siltstone, light-gray, shaly, 60%; fine white sandstone with siderite spherulites, 40%
900	910	10	Siltstone, black, 70%; very fine white sandstone, with siderite spherulites, 30%
910	920	10	Siltstone, gray, shaly
920	930	10	Sandstone, white, fine- to medium-grained
930	970	40	Siltstone, black and white, shaly
970	990	20	Shale, dark-gray to very dark gray
990	1018	28	Siltstone, gray, with siderite spherulites
1018	1077	59	Sandstone, white, fine- to medium-grained
1077	1104	27	Shale, gray
1104	1114	10	Siltstone, gray
1114	1135	21	Sandstone, gray, very fine, carbonaceous

Top	Bottom	Thickness	
1135	1157	22	Sandstone, white, medium-grained
1157	1168	11	Shale, gray
1168	1178	10	Sandstone, white, fine, 60%; gray and black shale, 40%
1178	1198	20	Shale, gray to light-gray
1198	1215	17	Sandstone, white, very fine
1215	1255	40	No samples; record as black sand (base of Pottsville may be at 1255')
1255	1307	52	Shale, gray
1307	1332	25	Sandstone, light-gray, very; grades into siltstone containing siderite spherulites
1332	1347	15	Sandstone, white, medium-grained
<u>Mauch Chunk Group, 105 feet</u>			
1347	1367	20	Shale, green silty
1367	1380	13	Shale, very light gray, calcareous
1380	1393	13	Shale, gray, red, and green
1393	1397	4	Shale, greenish-gray, soft
1397	1423	26	Limestone, brown ("Little Lime")
1423	1433	10	Sandstone, white, very fine
1433	1453	20	Shale, gray to green, soft, thinly laminated; also white very sandstone and green siltstone
<u>Greenbrier Limestone, 161 feet</u>			
1453	1524	71	Limestone, brown to light-brown; some oolites from 1453 to 1468'
1524	1530	6	Limestone, light-brown, sandy
1530	1546	16	Limestone, light-brown; slightly sandy, 1541-1546'
1546	1577	31	Sandstone, white, highly calcareous; larger grains are rounded and frosted
1577	1614	37	Limestone, nearly white, somewhat dolomitic; some sand, 1577-1602' and 1606-1614'
<u>Pocono Formation, 18+ feet</u>			
1614	1632	18	Siltstone, green, with siderite spherulites
	1632		Total depth