

Central Trust Company No. 4872 Well

Warfield District, Mingo County, W. Va.  
 By United Fuel Gas Company, Charleston, W. Va.  
 Located 1.98 mi. W. of 82°20' and 2.72 mi. S. of 37°55' -C- Naugatuck Quadrangle.  
 Elevation, 1250' B.  
 Permit, Mingo-51.  
 Drilling commenced April 15, 1940; completed June 22, 1940.  
 Gas well; rock pressure 278 lbs. in 24 hrs.  
 Fresh water at 215'; salt water at 1181, 1515, 1529'.  
 Coal at 423-426, 581-584, 986-990'.  
 13" casing, 14'; 10", 302'; 8 1/4", 1439'; 6-5/8", 1723'.  
 Samples from 150 to 3355' examined by G. Apsouri and J. H. C. Martens.  
 Samples were taken mostly at even ten foot intervals. The coals do not show in samples.

According to the geologic map the well starts about at the level of the Coalburg Coal outcrop.

Top	Bottom	Thickness	
<u>Pottsville Formation, 1565 feet</u>			
0	150	150	Sand (reported by driller)
150	360	210	Sandstone, white, fine to medium-grained; much of it contains siderite
360	380	20	Siltstone, light- and dark-gray
380	390	10	No sample
390	420	30	Sandstone, white, medium-grained, micaceous
420	423	3	Shale, gray
423	426	3	Coal
426	430	4	Shale, gray
430	440	10	No sample
440	470	30	Shale, very dark gray to black
470	510	40	Siltstone, very light gray, sandy, micaceous
510	520	10	Siltstone, and shale, gray, carbonaceous
520	540	20	Sandstone, white, fine, with siderite spherulites

Top	Bottom	Thickness	
540	581	41	Shale, gray
581	584	3	Coal
584	600	16	Shale, gray
600	610	10	Siltstone, light-gray, sandy, with siderite spherulites
610	680	70	Shale, gray
680	700	20	Shale, greenish-gray
700	720	20	Siltstone, gray, shaly
720	740	20	Sandstone, light-gray, very fine
740	750	10	Shale, gray
750	780	30	Shale, gray, sandy, with siderite spherulites
780	787	7	Sandstone, white, very fine
787	820	33	Sandstone, white, medium-grained
820	870	50	Shale, dark-gray
870	890	20	Sandstone, white, very fine, with siderite spherulites
890	957	67	Shale, gray, with streaks of very fine sandstone
957	986	21	Sandstone, white, very fine
986	990	4	Coal
990	1008	18	Shale, gray
1008	1146	138	Sandstone, white, medium-grained
1146	1165	19	Sandstone, white, very fine, 60%; siltstone, gray, sandy, 40%
1165	1223	58	Sandstone, white, medium- to coarse-grained
1223	1245	22	Sandstone, white, fine
1245	1260	15	Siltstone, gray, sandy
1260	1266	6	Clay, gray
1266	1272	6	Siltstone, light-gray, sandy, 75%; black shale, 25%
1272	1300	28	Sandstone, white, fine
1300	1305	5	Shale, black, with pyrite and siderite
1305	1323	18	Sandstone, white to gray fine, 80%; gray to black shale and siltstone, 20%
1323	1345	22	Shale, light-brown with siderite spherulites
1345	1347	2	Shale, dark-gray
1347	1354	7	Coal, 20%; sandstone, white, fine, 60%; light-brown shale, 20%

Top Bottom Thickness

1354	1360	6	Siltstone, white
1360	1365	5	Siltstone, white and green, 70%; gray shale, 30%; many siderite spherulites, mostly loose but some enclosed in siltstone

Mauch Chunk Group, 310 feet

1365	1407	42	Shale, red and green, calcareous
1407	1427	20	Shale, red, calcareous
1427	1431	4	Sandstone, white, fine
1431	1440	9	Siltstone, gray, shaly
1440	1445	5	Shale, red and gray
1445	1455	10	No sample
1455	1471	16	Shale, gray
1471	1510	39	No samples
1510	1540	30	Sandstone, white, fine
1540	1565	25	No sample
1565	1575	10	Shale, gray, with much pyrite
1575	1580	5	Limestone, brown
1580	1588	8	Shale, gray and green, soft
1588	1595	7	Shale, red, calcareous
1595	1605	10	Shale, green, gray, and red, highly calcareous; some of carbonate is dolomite
1605	1645	40	Sandstone, white, fine, mostly quartz
1645	1675	30	Limestone, brown with some white spots; a little greenish-gray, soft shale, 1660-1665'; very little shale, 1665-1675'

Greenbrier Limestone, 196 feet

1675	1755	80	Limestone, very light brown
1755	1773	18	Limestone, very light brown, oolitic; a little chert, 1768-1773'
1773	1782	9	Limestone, very light brown, sandy, oolitic
1782	1800	18	Limestone, very light brown with some red specks, slightly dolomitic
1800	1817	17	Limestone, nearly white, slightly dolomitic
1817	1825	8	Limestone, very light brown, oolitic

Top	Bottom	Thickness	
1825	1840	15	Limestone, very light brown sandy and oolitic
1840	1857	17	Limestone, very light-brown, partly dolomitic; some oolites in non-dolomitic portion
1857	1871	14	Limestone, brown, highly dolomitic; a little gray shale and siltstone
<u>Maccrady Formation, 9 feet</u>			
1871	1880	9	Siltstone, red, sandy
<u>Pocono Formation, 600 feet</u>			
1880	1917	37	Siltstone, gray, shaly
1917	1925	8	Sandstone, light-gray, very fine
1925	2260	335	Siltstone, gray
2260	2385	125	Shale, gray
2385	2402	17	Shale, almost black, pyritic (Sunbury Shale)
2402	2420	18	Sandstone, nearly white, very fine, pyritic (Berea Sandstone)
2420	2433	13	Sandstone, white very fine, 80%; gray silty shale, 20%
2433	2445	12	Shale, light-gray
2445	2480	35	Sandstone, light-brown, very fine
<u>Devonian Shales, 875+ feet</u>			
2480	2500	20	Shale and siltstone, gray
2500	2554	54	Shale, black, with fragments of pyrite
2554	2575	21	Shale, very dark gray
2575	2620	245	Shale, gray to light-gray
2620	2630	10	Shale, gray, 50%; dark-gray shale, 50%
2630	2850	20	Shale, light-gray
2850	2938	88	Shale, dark-gray, 70%; light-gray shale, 30%
2938	2947	9	Shale, light-gray
2947	2985	38	Shale, light-gray, 50%; dark-gray shale, 50%
2985	3105	110	Shale, gray to light-gray; some samples contain up to 25% of dark-gray shale
3105	3150	45	Shale, dark-gray, 60%; gray to light-gray shale, 40%
3150	3160	10	Shale, dark-gray
3160	3210	50	Shale, light-gray to brownish
3210	3230	20	Shale, very dark-gray

Top	Bottom	Thickness	
3230	3245	15	Shale, light-gray to brownish
3245	3346	101	Shale, very dark gray
3346	3355	11	Shale, light-gray
	3355		Total depth