

Way-252

Mullins Gas Company No. 2

Lincoln District, Wayne County, W. Va.

By Mullins Gas Company, Charleston, W. Va.

Located 2.97 mi. W. of 82°25' and 0.41 mi. S. of 37°55' -WC- Naughtuck Quadrangle.

Elevation, 640' B.

Permit, Way-252.

Drilling commenced June 20, 1941; completed July 31, 1941.

Shot, July 31, 1941; depth 1969-2686'.

Gas well, volume 45,000 cu. ft.

Rock pressure 320 lbs. per sq. in.

10" casing 32'4"; 8 1/2", 186'11"; 7", 1142'9"; 2-3/8" tubing, 2681'3".

Section based on samples from 165 to 2677' examined by C. N. Apsouri.

The contact between the Mauch Chunk and Pottsville is not located with any great certainty. Possibly it is higher than indicated.

Top	Bottom	Thickness	
			<u>Pennsylvanian, 916+ feet</u>
165	195	30	Shale, gray
195	215	20	Siltstone, light-gray, sandy, with some carbonaceous material
215	255	40	Sandstone, light-gray, very fine
255	265	10	Shale, gray
265	275	10	Sandstone, light-gray, very fine, with siderite, 75%; gray shale, 25%
275	285	10	Siltstone, light-gray, sandy, sideritic
285	295	10	Coal, 80%; white, very fine sandstone, 20%
295	325	30	Sandstone, white, very fine
325	335	10	Shale, gray
335	345	10	Siltstone, light-gray, with carbonaceous material and siderite
345	355	10	Shale, gray, with a little coal
355	365	10	Siltstone, light-gray, shaly, sideritic
365	425	60	Shale, gray
425	435	10	Sandstone, white, very fine
435	445	10	Siltstone, nearly white, sideritic, 70%; gray shale, 30%
445	455	10	Shale, gray
455	475	20	Shale, gray to black, 90%; white, very fine sandstone, 10%

Top	Bottom	Thickness	
475	495	20	Shale, gray
495	545	50	Sandstone, white, fine- to medium-grained
545	555	10	Sandstone, very fine, sideritic, 75%; coal, 25%
555	565	10	Sandstone, white, very fine, sideritic, 60%; gray siltstone, 40%
565	665	100	Sandstone, white, medium-grained; a little coal, 655-665'
665	675	10	Siltstone, dark-gray, shaly
675	745	70	Sandstone, white, medium- to coarse-grained; some grains have crystal faces
745	755	10	Sandstone, white, medium-grained, 90%; gray siltstone, 10% (drillers record gives "break", 750-755')
755	785	30	Sandstone, white, fine- to medium-grained
785	795	10	Siltstone, dark-gray to brown, shaly
795	835	40	Siltstone, white to light-gray
835	855	20	Shale, dark-gray
855	865	10	Sandstone, white, fine
865	875	10	Shale, gray
875	885	10	Shale, gray to brown
885	905	20	Shale, dark-brown, silty
905	915	10	Shale, gray to light-gray
<u>Mauch Chunk Group, 200 feet</u>			
915	925	10	Shale, yellowish-green, 50%; red shale, 40%; gray shale, 10%; all of these shales are soft and disintegrate when placed in water
925	935	10	Shale, red
935	945	10	Shale, gray
945	955	10	Sandstone, white, very fine, 70%; soft gray, thinly laminated shale
955	965	10	Shale, greenish-gray, 50%; red shale, 50%
965	975	10	Siltstone, green, sandy
975	985	10	Shale, gray and red, 60%; green siltstone, 40%
985	1005	20	Shale, white, calcareous, 50%; red shale, 50%
1005	1015	10	Shale, red, 60%; white, very fine sandstone, 30%; yellowish-green shale, 10%

Top	Bottom	Thickness	
1015	1025	10	Sandstone, white, very fine
1025	1035	10	Shale, gray, thinly laminated
1035	1075	40	Shale, green, soft
1075	1100	25	Shale, gray, thinly laminated
1100	1115	15	Limestone, brownish-gray
<u>Greenbrier Limestone, 200 feet</u>			
1115	1135	20	Limestone, nearly white, oolitic
1135	1165	30	Limestone, nearly white, compact
1165	1195	30	Limestone, nearly white, with bodies resembling oolites
1195	1205	10	Limestone, light-brown, compact
1205	1235	30	Limestone, nearly white, oolitic, slightly sandy
1235	1245	10	Limestone, very light brown, dolomitic
1245	1275	30	Limestone, nearly white, oolitic
1275	1305	30	Limestone, light-brown to very light brown, dolomitic; partly oolitic
1305	1315	10	Limestone, brown to gray, dolomitic; contains a little anhydrite
<u>Maccrady Formation, 20 feet</u>			
1315	1335	20	Siltstone, red, with a little anhydrite
<u>Pocono Formation, 525 feet</u>			
1335	1395	60	Siltstone, gray
1395	1405	10	Siltstone, gray and light-brown
1405	1805	400	Shale, gray, silty
1805	1830	25	Shale, very dark gray (Sunbury Shale)
1830	1835	5	Sandstone, white, very fine (Berea Sandstone, 1830-1860')
1835	1840	5	Sandstone, white, very fine, 50%; very light gray shale, 50%
1840	1850	10	Shale, light-gray, pyritic, 70%; very fine white sandstone, 30%
1850	1860	10	Sandstone, white, very fine, 50%; light- and dark-gray shale, 50%
<u>Devonian Shales, 825+ feet</u>			
1860	1880	20	Shale, gray, 75%; white sandy siltstone, 25%
1880	1900	20	Siltstone, white, 50%; light-gray shale, 50%
1900	1910	10	Sandstone, very light brown, very fine, silty

Top	Bottom	Thickness	
1910	1940	30	Shale, light-gray
1940	2020	80	Shale, very dark gray
2020	2030	10	Shale, light-gray
2030	2040	10	Shale, very dark gray
2040	2090	50	Shale, light-gray
2090	2110	20	Shale, dark-gray
2110	2120	10	Shale, dark- and light-gray
2120	2190	70	Shale, light-gray
2190	2330	140	Shale, very dark gray
2330	2340	10	Shale, very dark gray, 50%; light-gray shale, 50%
2340	2390	50	Shale, light-gray
2390	2440	50	Shale, very dark gray
2440	2500	60	Shale, light-gray, 75%; very dark gray shale, 25%
2500	2670	170	Shale, very dark gray
2670	2677	7	Shale, light greenish gray
	2686		Total depth