

CLAY-409

E. L. Boggs No. 1 Well

Henry District, Clay County, W. Va.

By South Penn Natural Gas Company, Parkersburg, W. Va.

Located 1.52 mi. S. of 39° 35' and 1.52 mi. W. of 81° 05' - SC - Otter
Quadrangle.

Elevation, 931.81' (ground)

Permit Clay-409.

Completed as dry hole, Aug. 1944.

Section based on samples from 1169 to 2358' examined by J. H. C. Martens.

Survey also has samples from 2358 to 3000'.

Pottsville Formation, 506+ feet

Top.	Bottom.	Thick- ness.	Description
1169	1205	36	Sandstone, light-gray with black carbonaceous streaks, very fine
1205	1236	31	Sandstone, white, fine
1236	1252	16	Sandstone, white, fine, 80%; gray shaly siltstone, 20%
1252	1260	8	Sandstone, very light brown, fine
1260	1282	22	Shale, gray, silty
1282	1290	8	Siltstone, gray, shaly
1290	1300	10	Sandstone, white, very fine, 70%; gray shaly siltstone, 30%
1300	1398	98	Sandstone, white to light-gray, fine to very fine, with streaks of dark-gray, shaly siltstone
1398	1405	7	Sandstone, white, medium-grained
1405	1415	10	Sandstone, white, coarse
1415	1420	5	Shale, gray, with siderite concretions
1420	1430	10	Shale and siltstone, gray
1430	1465	35	Sandstone, white, coarse
1465	1495	30	Shale, dark-gray to black, with siderite concretions
1495	1504	9	Shale, dark-gray to brownish, silty, 95%; coal, 5%
1504	1510	6	Sandstone, light-gray, medium-grained, 50%; gray sandy shale, 45%; coal, 5%
1510	1524	14	Sandstone, nearly white, medium-grained, 60%; light brownish gray shale, 40%; many loose siderite spherulites

1524 1530 6 Siltstone, gray, silty

Top.	Bottom.	Thick- ness.	
1524	1530	6	Siltstone, light-gray with siderite spherulites
1530	1537	7	Sandstone, white, very fine, 50%; gray shale and siltstone, 50%
1537	1550	13	Sandstone, white, fine
1550	1675	125	Sandstone, white to brownish, medium- to coarse-grained

Mauch Chunk Group, 142 feet

1675	1681	6	Shale, gray, calcareous
1681	1696	15	Shale, red
1696	1710	14	Siltstone, light-gray
1710	1730	20	Shale, red, gray, and green
1730	1736	6	Shale, gray, soft, thinly laminated
1736	1739	2	Shale, gray, as above, 80%; brownish-gray limestone, 20%
1738	1775	37	Limestone, brown, fossiliferous, with some shale of various kinds, probably cavings
1775	1808	33	Sandstone, white, very fine, grading into siltstone in top part of interval
1808	1817	9	Shale, gray, soft; also some brown limestone

Greenbrier Limestone, 161 feet

1817	1822	5	Limestone, light-brown; also much gray shale, probably cavings
1822	1871	49	Limestone, light-brown
1871	1903	32	Limestone, light-brown, sandy, oolitic
1903	1907	4	Limestone, very light brown, oolitic
1907	1923	16	Limestone, light-brown; a few greenish silty fragments
1923	1937	14	Limestone, white and light-gray, dolomitic
1937	1955	18	Limestone, light-gray and light-brown with about 5% of brown and orange chert
1955	1978	23	Limestone, brown, with a few sand grains near bottom

Pocono Formation, 343 feet

Top.	Bottom.	Thick- ness.	
1978	2006	28	Shale, gray
2006	2057	51	Siltstone, gray, 60 to 70%; darker-gray shale, 40 to 30%

Thick-
Top.Bottom. ness.

2057	2282	225	Shale and siltstone, gray
2282	2313	31	Shale, black. (Sunbury Shale)
2313	2321	8	Shale, dark-gray to black, 60%; gray siltstone, 40%; a few pyrite-coated sand grains. (Berea Sandstone horizon)

Devonian Shales, 681+ feet

2321	2358	37	Siltstone, gray, with some silty shale
2002			Total depth.