

Graphic log plotted by Parsons reviewed by [unclear]
 sample description
 STREAT SUM [unclear]

Fred B. Chambers No. 4 (8506) Well

800-459

Scott District, Boone County, W. Va.

Fred B. Chambers No. 8506 Hope

By Hope Natural Gas Company, Clarkburg, W. Va.

Located 2.55 mi. W. of 81°45' and 5.7 mi. S. of 38°10' - EC
 Madison Quadrangle; 2 mi. N.E. of Madison

city to R.C.T.
 city to CC Reed Nov 1941.

Elevation, 1293'

Permit 800-459

Drilling commenced Oct, 10, 1940; completed, Dec, 13, 1940,
 gas well, volume 86,400 cu. ft; not shot

fresh water at 370'; salt water at 1120'

10" casing, 13'; 8 1/4", 406'; 6 5/8", 1781'

Samples from 350 to 2447' described by Frank [unclear] for which
 boundaries placed by J.H.C. Matthews

Pottsville formation, 1555+ feet

Top	Bottom	Thickness	
0	10	10	Soil
10	35	25	Slate
35	40	5	Coal
40	65	25	Sand
65	90	25	Slate
90	175	85	Sand
175	235	60	Slate
235	247	12	Sand
247	270	23	Slate
270	306	36	Sand
306	349	43	Slate
349	345	46	Sandstone, white (water at 370')

Top Bottom Thickness

~~0 555 Sandstone, coarse~~

~~35 990 10 Shale, gray~~

395 455 ~~60~~ 5 Shale, gray silty

455 485 30 Siltstone, gray; some shale and fine sandstone

485 545 60 Siltstone, gray, micaceous; some gray shale and some medium-grained sandstone

545 557 12 No sample

557 602 45 Siltstone, gray, micaceous; some clay and shale

602 610 8 Siltstone, gray, micaceous; white medium-grained sandstone

610 620 10 Sandstone, white, fine

620 630 10 Siltstone, gray

630 650 20 Sandstone

650 660 10 Shale, gray, silty

660 715 ~~55~~ 45 Siltstone, gray

715 745 30 Sandstone, white, medium-grained

745 765 20 Shale, gray, silty

765 865 100 Sandstone, white, medium-grained; a little gray silty shale with siderite

865 920 55 Siltstone or very fine sandstone

920 1025 105 Sandstone, white, fine

~~Dalton road goes all south from 920 to 1560~~

Top Bottom Thickness

1025	1040	15	Shale, gray, silty
1040	1115	65	Sandstone, white to gray, medium-grained
1115	1135	20	Sandstone, white, fine
1135	1145	10	Sandstone; also some coal and shale
1145	1155	10	Sandstone, brownish-white, medium-grained
1155	1190	35	Shale, gray, silty
1190	1220	30	Siltstone, gray
1220	1240	20	Sandstone, white, medium-grained
1240	1313	73	Siltstone, gray; some white fine to medium-grained sandstone

1313 1555 242 Sandstone, white, fine to coarse

Mauch Chunk Group, 185 feet

1555	1560	5	Shale, red, green, and gray
1560	1572	12	Limestone, white
1572	1620	48	Shale, red and green
1620	1625	5	Shale, red, green and gray, 50%; white limestone, 50%
1625	1630	5	Shale, red and green
1630	1655	25	Sandstone, white, medium-grained, 50%; gray shale, 50%
1655	1666	11	Shale, gray
1666	1676	10	Shale, gray and red
1676	1736	60	Limestone, dark-gray
1736	1740	4	Shale, gray ("Pencil Cave")

Greenbrier Limestone, 192 feet

1740 1920 180 Limestone, white, gray and light-brown; not described in detail

~~2394~~
~~1965~~
~~429~~

~~2394~~
~~1965~~
~~429~~

Top Bottom Thickness

1920 1932 12 Limestone, sandy, dolomitic; about 30% of anhydrite

Maccordy Formation, 33 feet

1932 1941 9 Siltstone, red, shaly

1941 1965 24 Sandstone, red, very fine, with a few coarse quartz grains

Pocono Formation, 476 feet

1965 2394 429 Shale and siltstone, gray

2394 2414 20 Shale, very dark gray (Sumbury Shale)

2414 2441 27 Sandstone, white (Berea Sandstone)

Devonian Shales, 6+ feet

2441 2447 6 Shale, gray

2447 Total depth