

Cassingham Coal Land Co. No. 32 (579) Well

Scott District, Boone County, W. Va.

By the Owens, Libbey-Owens Gas Dept., Charleston, W. Va.

Located 5.0 mi. S. of 38°10' and 3.2 mi. W. of 81°50' -C- Madison Quadrangle.

Elevation, 892.8'L.

Permit Boo-468.

Drilling commenced Sept. 13, 1940; completed, Nov. 15, 1940.

Shot, Nov. 11, 1940 at 2058-2062'.

Volume 63,000 cu. ft.; rock pressure 288 lbs. in 38 hrs.

Fresh water, 25, 57, 409 and 797'.

Coal at 164-167'.

13" casing 17'; 1", 192'; 6-5/8", 1378'; 3" tubing 2118'.

Section based on samples from 1377 to 2044', examined by C. Apsouri, and on driller's record.

Top Bottom Thickness

Greenbrier Limestone, 230 feet

1351			Top of "Big Lime" from driller's record
1377	1385	8	Limestone, dark-brown, slightly dolomitic
1385	1392	7	Limestone, brown, with a few oolites
1392	1399	7	Limestone, brown, 75%; gray shale, 25%
1399	1413	14	Limestone, very light brown
1413	1421	7	Limestone, very light brown, partly oolitic
1421	1460	39	Limestone, very light brown; a few oolites, 1430-1445' and 1452-1460'
1460	1468	8	Limestone, very light brown, dolomitic
1468	1518	50	Limestone, nearly white, oolitic
1518	1530	12	Limestone, light-brown to greenish, dolomitic
1530	1537	7	No sample
1537	1543	6	Limestone, brown, finely crystalline, dolomitic
1543	1556	13	Limestone, nearly white, oolitic
1556	1563	7	Limestone, brown to reddish, sandy, dolomitic
1563	1569	6	Limestone, dolomitic, with white anhydrite
1569	1575	6	Dolomite and anhydrite white
1575	1881	6	Limestone, brown, very strongly dolomitic; a few quartz grains

Top Bottom Thickness

Macorddy Formation, 35 feet

1581 1601 20 Siltstone, red  
 1601 1616 15 Siltstone, red, very sandy

Pocono Formation, 470 feet

1616 1623 7 Sandstone, very light brown, fine, 50%; dark-gray siltstone, 50%  
 1623 1657 34 Siltstone, gray  
 1657 1707 50 Shale, gray, silty  
 1707 1754 47 Sandstone, light-gray, fine, 50%; very silty gray shale, 50%; the sandstone grades into siltstone toward the bottom  
 1754 1766 12 Siltstone, light-gray, sandy  
 1766 1991 225 Shale, gray to dark-gray, silty; also some siltstone and very fine sandstone  
 1991 2037 48 Siltstone and silty shale, gray  
 2037 2058 21 Shale, very dark gray to brownish (Sunbury Shale)  
 2058 2086 28 Sandstone, white, hard (Berea Sandstone; gas, 2062-2068')

Devonian Shales, 31+ feet

2086 2093 7 Slate and shells, white, hard  
 2093 2103 10 Shell, white, hard  
 2103 2117 14 Shell, dark, hard  
 2117 Total depth