

Cassingham Coal Land Co. No. 33(586) Well

Scott District, Boone County, W. Va.

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

Located, 4.68 mi. S. of 38°10' and 3.12 mi. W. of 81°50' -C- Madison Quadrangle.

Elevation, 881.8' L.

Permit, Boo-475.

Drilling commenced Nov. 19, 1940; completed, Jan. 14, 1941.

Gas well; volume 109,000 cu. ft.; rock pressure 278 lbs. in 34 hrs.

Shot at 2056-2076'.

Fresh water at 40 and 260'; salt water, 699-769'.

Coal at 260-264'.

10" casing, 200'; 8 1/4", 1372'; 3" tubing, 2116'.

Samples from 1307 to 1616' examined by C. Appouri.

Top Bottom Thickness

Mauch Chunk Group, 46+ feet

1307	1318	11	Shale, gray, thinly laminated; some brown limestone
1323	1350	22	Shale, gray, thinly laminated; and brown limestone
1350	1353	3	Shale, gray, thinly laminated (depth from driller's record)

Greenbrier Limestone, 220 feet

1353	1573	220	Limestone, light-brown; some parts sandy and some oolitic (show of gas at 1480')
------	------	-----	---

Maccrady Formation, 35+ feet

1573	1594	21	Siltstone, dark-red; some coarse quartz grains, 1588-1
1594	1608	14	Sandstone, dark-red

Pocono Formation, 476 feet

1608	1616	8	Siltstone, gray, micaceous
1616	2041	425	Shale and siltstone, gray (not sampled)
2041	2056	15	Shale, brown

2056 2084 28 Sandstone (Berea Sandstone)

Devonian Shales, 30+ feet

2084 2114 30 Shale and siltstone

2114 Total depth