

Allen and Fryor No. 30 (590) Well

Scott District, Boone County, W. Va.

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

Located 3.62 mi. S. of 38°10' and 0.49 mi. W. of 81°50' -C- Madison Quadrangle.

Elevation, 643.3' L.

Permit, 800-481.

Drilling commenced Dec. 27, 1940; completed Feb. 5, 1941.

Shot Jan. 31, 1941, depth 1796-1811'.

Volume, Big Line 63,000 cu. ft., Berea 99,000 cu. ft.

Rock pressure Big Line 308 lbs., Berea 400 lbs. in 63 hrs.

Fresh water at 90'; salt water at 808'.

Coal at 97-99' and 114-118'.

3 1/4" casing, 279'; 6-5/8", 1131'; 3" tubing, 1843'.

Samples from 1046 to 1398' with some gaps, examined by C. Apsouri. The top of the Greenbrier Limestone could not be located with any great certainty.

Top Bottom Thickness

Mauch Chunk Group, 25+ feet

1046	1062	16	Limestone, brown; with gray micaceous siltstone
1062	1071	9	Limestone, brown

Greenbrier Limestone, 238 feet

1071	1126	55	Limestone, very light brown, partly oolitic; some thinly laminated gray shale, 1106-1126'
1126	1131	5	No sample
1131	1147	16	Limestone, nearly white, oolitic
1147	1170	23	Limestone, nearly white; a little chert
1170	1178	8	Limestone, nearly white, oolitic; a little chert
1178	1205	27	Limestone, nearly white, sandy, oolitic
1205	1212	7	Limestone, nearly white, sandy
1212	1294	82	Limestone, light-brown to nearly white, partly oolitic
1294	1308	14	No samples

Maocrazy Formation, 35 feet

1308	1343	35	Siltstone, dark-red; very sandy from 1335 to 1343'
------	------	----	--

Top Bottom Thickness

Pocoms Formation, 469 feet

1343 1398 55 Siltstone, gray, micaceous; some light-gray, fine sandstone
near top

1781 1793 12 Shale, brown (Suntary Shale)

1793 1812 19 Sandstone, white, hard (Berea Sandstone)

Devonian Shales, 29+ feet

1812 1841 29 Shells, dark, hard

1841 Total depth