

Way-258

Flem Booth No. 1 (623) Well

Union District, Wayne County, W. Va.

By The Owens, Libbey-Owens Gas Dept., Charleston, West Virginia.

Located 4.72 mi. S. of 38°20' and 0.06 mi. W. of 82°20' -SW- Guyandot Quadrangle.

Elevation, 707.3' L.

Permit, Way-258.

Drilling commenced Oct. 22, 1941; completed Dec. 5, 1941.

Shot Dec. 4, 1941, depth 2652-3354'.

Volume, 71,000 cu. ft.

Rock pressure 590 lbs. in 40 hrs.

Fresh water, 500', 1 bailer per hour; salt water, 1040', hole full.

8 1/4" casing, 475'; 6-5/8", 1966'; 3" tubing, 3323'.

Section based on samples from 1382 to 3041' (with some gaps) examined by C. H. Apsouri.

Top Bottom Thickness

Greenbrier Limestone, 167 feet

1375			Top "Big Lime" from driller's record
1382	1410	28	Limestone, very light brown to white
1410	1423	13	Limestone, very light brown, oolitic and slightly dolomitic
1423	1428	5	No sample
1428	1436	8	Limestone, white
1436	1442	6	Limestone, very light brown, slightly sandy
1442	1454	12	Limestone, light-brown to brown, with a few oolites
1454	1487	33	Limestone, white, dolomitic
1487	1501	14	Limestone, white, partly oolitic
1501	1517	16	Limestone, nearly white, oolitic
1517	1530	13	Limestone, nearly white to brown, highly dolomitic
1530	1535	5	No sample
1535	1542	7	Limestone, gray to white, highly dolomitic

Pecoco Formation, 684 feet

1542	1554	12	Sandstone, nearly white, very fine
1554	1588	34	Siltstone, light-gray, very sandy; most of it has a texture about on the border between siltstone and sandstone
1588	1595	7	Shale, gray
1595	1622	27	Sandstone, light-gray, very fine, with 10 to 20% of coarse rounded sand grains

Top	Bottom	Thickness	
1622	1641	19	Sandstone, light-gray, very fine, grading into siltstone
1641	1650	9	Sandstone, light-gray, very fine, 50%; dark-gray shale, 50%
1650	1681	31	Sandstone, light-gray, very fine, calcareous; also some shale and siltstone
1681	1713	32	Siltstone, gray, shaly
1713	1731	18	No sample; recorded as dark shells
1731	1756	25	Siltstone and shale, gray
1756	1761	5	Shale, gray, silty, 50%; brown, silty, calcareous shale, 50%
1761	1934	174	Shale, gray, partly silty
1934	2201	265	No sample; recorded as slate and shells
2201	2226	25	Recorded as Berea Sand; samples consist mostly of shale and siltstone, with small amount of very fine white sandstone near top of interval (show of oil, 2201')

Devonian Shales, 1128 feet

2226	3354	1128	Shales and siltstones, gray, dark-gray and brown (samples to 3041')
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"Corniferous Lime", 4+ feet

3354	3358	4	Limestone, dark, hard (from driller's record)
	3358		Total depth