

J. C. Jordan No. 1 (GW-374) Well

Elk District, Kanawha County, W. Va.

By Columbian Carbon Company, Charleston, W. Va.

Located 4.07 mi. W. of 81°30' and 2.5 mi. S. of 38°30' -MS- Charleston Quadrangle,

Coppers Creek.

Elevation, 846.2' L.

Permit, Kan - 319 D
Commenced drilling, Jan. 18, 1937; completed April 19, 1937.

Dry hole; shot at 4878

Top Bottom Thickness

Mauch Chunk Group, 46+ feet

1480	1517	37	Limestone, dark-gray, somewhat brownish, with scattered spots (Little Line)
1517	1520	3	Shale, gray, soft (Pencil Cave)
1520	1526	6	No sample; reported as shale

Greenbrier Limestone, 144 feet

1536	1584	48	Limestone, light-gray, very fine textured
1584	1591	7	Limestone, very light gray, oolitic
1591	1628	37	Limestone, very light gray, oolitic, very sandy; larger sand grains are rounded and frosted
1628	1680	52	Limestone, white, finely but distinctly crystalline, oolitic

Pocono Formation, 465 feet

1680	1728	48	Sandstone, light-green, medium-grained, poorly sorted; contains a few large rounded grains and considerable pyrite (Big Injun Sand)
1728	1749	21	Siltstone, gray
1749	1776	27	Sandstone, light-gray, very fine, 60%; darker gray shale and siltstone, 40%
1776	1955	79	Shale and siltstone, gray; with 10 to 30% of very fine lighter gray sandstone
1955	2122	247	Shale and siltstone, gray; shale predominates but several samples contain nearly 50% of siltstone and very fine sandstone
2122	2138	16	Shale, gray; darker, finer and more distinctly laminated than the shale above (Sambury Shale)
2138	2143	5	Shale, gray, 80%; light-gray sandstone, 20%; most of the sandstone is very fine but there are a few scattered larger grains; some fragments contain considerable pyrite;

Top Bottom Thickness

probably represents the Berea Sandstone, which can hardly be more than a foot or two in thickness

Devonian Shales, 2686 feet

2143	2170	27	Shale, gray with streaks of siltstone
2170	4803	2633	Samples not examined
4803	4828	25	Shale, black

Huntersville Chert, 103 feet

4828	4931	103	Chert, cherty limestone and cherty, calcareous sandstone; samples not described in detail
------	------	-----	---

Oriskany Sandstone, 20 feet

4931	4951	20	Sandstone, light-gray, medium grained
------	------	----	---------------------------------------

Helderberg Limestone, 97+ feet

4951	5048	97	Gray cherty and sandy limestones, calcareous sandstone, etc; not described in detail
	5048		Total depth