

Ella Hammet et. al. No. 1 (GW-416)

Grant District, Pleasants County, W. Va.

By Columbian Carbon Company, Charleston, W. Va.

Located 1.11 mi. W. of 81°18' and 3.43 mi. S. of 39°25' -EC- Marietta Quadrangle; 1 mi. S.W. of Belmont.

Elevation, 966.5' L.

Permit, Pleas-124

Drilling commenced June 5, 1938; completed, Oct. 18, 1939.

Shot Jan. 4, 1940, depth 2920-2932'.

Oil, 1 1/2 bbls. first 24 hrs.

Coal at 736', 24".

Samples were examined for the interval 4113 to 5301'.

Top Bottom Thickness

1145	1190	45	Big Lime
1190	1263	73	Big Injun
1675	1690	15	Brown Shale
1690	1713	23	Berea Grit

Devonian Shales, 3294 feet

1713	4113	2400	No samples
4113	4190	77	Shale, medium- to dark-gray, lightly calcareous; contains a few fossil shells; many slickensided shale fragments 4119-4130' and a few below that
4190	4278	88	Shale, gray; mostly medium-gray but includes some dark-gray and grayish-green; also some micaceous siltstone
4278	4292	14	Shale, dark-gray
4292	4353	61	Shale, medium-gray, partly silty
4353	4485	132	Shale, medium-gray to dark-gray, partly silty
4485	4500	15	Shale, very dark gray to black
4500	4587	87	Shale, dark-gray
4587	4689	102	Shale, very dark gray to black
4689	4835	146	No samples
4835	4909	74	Shale, dark-gray, slightly calcareous

Top	Bottom	Thickness	
4909	5007	98	Shale, black, slightly calcareous (SLM at 5006½')
<u>Huntersville Chert, 223 feet</u>			
5007	5016	9	Limestone, light-brown, very cherty; contains much light-gray translucent chert; a little biotite-rich siltstone at contact with overlying shale
5016	5049	33	Limestone, light-brown, very cherty; contains much light-gray translucent chert
5049	5083	34	Limestone, brown, very cherty; mostly a little darker than interval above; contains a little dolomite
5083	5168	75	Limestone, brown, very cherty, slightly dolomitic, mostly contains small amounts of silt or very fine sand; slight traces of glauconite in a few samples
5168	5182	4	Limestone, brown, cherty and sandy; contains a little glauconite
5162	5175	13	Limestone, brown, cherty; contains very small amounts of silt and dolomite
5175	5182	7	Limestone, brown, cherty, silty, and glauconitic; contains a little dolomite
5182	5230	48	Limestone, light-brown and gray, very cherty, contains a little dolomite and slight traces of silt and glauconite; at the bottom is a very thin sandy streak with large amount of glauconite
<u>Oriskany Sandstone, 81 feet</u>			
5230	5252	22	Sandstone, white to light-gray, fine, slightly calcareous (SLM at 5230')
5252	5301	49	Sandstone, white to light-gray, fine, slightly to moderately calcareous; samples mostly contain some shale cavings and much rusty steel (SLM at 5301')
5301	5311	10	No sample; reported as sand
	5311		Total depth

5007
 967

 4040