

Bull Creek Coal Land Co. No. 14(557) Well

Peytona District, Boone County, W. Va.

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

Located 2.19 mi. S. of 38°15' and 0.69 mi. W. of 81°40' -NW- Peytona Quadrangle.

Elevation, 1039.2' L.

Permit, Boo-446.

Drilling commenced Feb. 6, 1940; completed May 10, 1940.

Gas well; Big Lime and Big Injun 217,000 cu. ft.; Oriskany 450,000 cu. ft.

Rock pressure, 1200 lbs. in Oriskany.

Fresh water at 70'; salt water at 815'.

Coal at 77 to 79'.

10" casing, 358'; 8 1/4", 1385'; 6-5/8", 1641'; 5-3/16", 4569'; 3" tubing, 4687'.

Section based on samples from 1362 to 4689', examined by C. Apsouri.

Top Bottom Thickness

Mauch Chunk Group, 6' feet

1362	1368	6	Shale, gray, thinly laminated ("Pencil Cave"; top of "Big Lime" is 1357' in driller's record)
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Greenbrier Limestone, 185 feet

1368	1373	5	Limestone, light-brown, fine-textured
1373	1410	37	Limestone, light-brown, containing imperfect oolites and some fossils
1410	1431	21	Limestone, light-brown, with about 10% of sand
1431	1470	39	Limestone, light-brown, very fine textured, dolomitic
1470	1542	72	Limestone, light-brown, oolitic; contains some frosted sand grains; somewhat dolomitic

1542	1547	5	No sample
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Maccrady Formation, 40 feet

1547	1557	10	Siltstone, dark-red
1557	1587	30	Sandstone, dark-red

Pocono Formation, 441 feet

1587	1617	30	Siltstone, gray
1617	1630	13	No samples
1630	1641	11	Siltstone, gray
1641	2014	373	No samples

Top	Bottom	Thickness	
2014	2021	7	Shale, brown (Sunbury Shale)
2021	2028	7	Sandstone, white, fine, pyritic (Berea Sandstone)
<u>Devonian Shales, 2522 feet</u>			
2028	4550	2522	Shales and siltstones, gray to black (mostly not sampled)
<u>Huntersville Chert, 97 feet</u>			
4550	4627	77	Limestone, brown, very cherty; some parts sandy; glauconitic toward bottom
4627	4632	5	Sandstone, light-gray, fine, calcareous
4633	4635	2	Limestone, dark-brown, cherty
4635	4641	6	Limestone, brown, cherty, sandy and glauconitic
4641	4647	6	Sandstone, gray, very fine, cherty, calcareous and glauconitic; darker and more highly glauconitic in last foot at bottom
<u>Oriskany Sandstone, 25 feet</u>			
4647	4670	23	Sandstone, nearly white with brown stain, medium-grained; (highly calcareous 4654-4670')
4670	4672	2	Sandstone, nearly white, fine, calcareous
<u>Helderberg Limestone, 17+ feet</u>			
4672	4689	17	Chert and cherty limestone, gray to brownish; some sand near top
	4687		Total depth from record