

3 cartons <sup>1 piece of each</sup> double spread

located at  
as first  
dilled mineral  
strat sum. col.

# Little Coal Land Co. No. 21 (566) Well

Boo-452

Washington District, Boone County, W. Va.  
By The Owens, Lubbey - Owens Gas Dept., Charleston, W. Va.  
Located 3.3 mi. S. of 38° 05' and 0.32 mi. W. of 81° 55' -  
SW - Madison Quadrangle

Copy given to R.C.T.  
copy to Lafferty Nov 1941.

Elevation 1384.3' L.  
Permit Boo - 452.  
Drilling commenced May 2, 1940; completed July 25, 1940.  
Acidized July 25, 1940 - depth 1844-1912'  
Volume 582,000 cu. ft.  
Rock pressure 422 lbs. in 30 hrs.

Fresh water at 590'; salt water at 1085'  
Coal at 567 - 571'  
8 1/4" casing, 655'; 6 5/8", 1804'; 3" tubing, 1912'  
Samples from 1517 to 2482' examined by C. Apsari

Top	Bottom	Thickness	Description
			<u>Pottsville Formation, 54+ feet</u>
1517	1551	34	Sandstone, white, medium-grained
1551	1571	20	No samples; reported as sand
			<u>Mauch Chunk Group, 167 feet</u>
1571	1581	10	Limestone, light-brown; also some green shale
1581	1593	12	Limestone, light-brown, 60%; red, green, and gray shale, 40%
1593	1627	34	Siltstone, gray, micaceous; and very fine greenish micaceous sandstone
1627	1635	8	Shale, red and green
1635	1643	8	Siltstone, red, 20%; sandstone, green, micaceous 80%
1643	1649	6	Shale, red

LITTLE COAL LAND CO. No. 21 (566) Boo-452

1738  
1571  
787

1964  
1738

Top Bottom Thickness

- 1649 1663 14 Sandstone, very light gray, fine; also some red and green shale and brownish siltstone
- 1663 1687 24 Siltstone brown to greenish; some gray shale in lower half
- 1687 1694 7 Shale, gray, thinly laminated
- 1694 1738 44 Limestone, brown, 80% ; shale, gray, thinly laminated, 20%

Greenbrier Limestone, 226 feet

- 1738 1750 12 Limestone, very light brown, oolitic
- 1750 1760 10 Limestone, brown, oolitic
- 1760 1765 5 Limestone, brown, 50% ; shale, dark-gray, thinly laminated, 50%
- 1765 1814 49 Limestone, nearly white, oolitic
- 1814 1832 18 Limestone, very light brown; a few oolites, 1820 - 1832' (gas, 1816', 60,000 cu. ft.)
- 1832 1915 83 Limestone, very light brown, very oolitic and slightly sandy (gas at 1863, 1880, and 1898')
- 1915 1923 8 Limestone, greenish
- 1923 1930 7 Limestone, yellow and reddish, sandy
- 1930 1942 12 Limestone, oolitic, slightly sandy
- 1942 1964 22 Limestone, sandy, dolomitic

Macedon Formation, 33 feet

- 1964 1997 33 Siltstone, dark-red, micaceous

Pocono Formation, 483 feet

- 1997 2018 21 Sandstone, white, fine, calcareous; and dark-gray micaceous siltstone
- 2018 2042 24 Siltstone, gray, micaceous
- 2042 2056 14 Siltstone, dark-gray, micaceous; also some dark-red siltstone

~~257~~  
~~148~~  
257

Top Bottom Thickness			
2056	2133	77	Siltstone, gray, micaceous; some very fine white sandstone, 2083 - 2133'
2133	2148	15	Sandstone, white, very fine, pyrite
2148	2437	289	Siltstone, gray, micaceous
2437	2456	19	Shale, very dark gray (Sumbury Shale)
2456	2480-344		Sandstone, white, fine; contains pyrite (Berea Sandstone; gas 2465', 13,000 cu. ft.) <u>Devonian Shales, etc., 33+ feet</u>
2480	2482	2	Siltstone, gray, micaceous
	2513		Total depth