

(9)

SHAMROCK No. 1 Well (Drill Hole #8)

Cabin Creek District, Kanawha County, W. Va.

By Truax-Traer Coal Company, Kayford W. Va. (Near Kayford, W. Va.)

Montgomery Quadrangle - SW

Elevation - 1308'

Drilling commenced May 1, 1947 to December 11, 1951.

Some fresh water 220' - 240', some water at 960'

Section based of samples from 1305' to 1621'; Examined by Russell
R. Flowers

Top	Bottom	Thickness	
			<u>Pottsville Formation</u> 221 Feet, plus.
1305			Siltstone and shale, gray; highly contaminated with iron rust
1310			Siltstone and silty shale, light- to medium-gray; some very light gray; fine to medium-grained sandstone
1315	1330	15	Siltstone and silty shale, medium to medium dark gray
1335			Shale, medium dark to dark gray
1345	1348	3	Shale, medium dark gray, very silty
1351	1360	9	Shale, medium dark gray, some dark-gray; small amount of dusky yellowish brown, sideritic shale
1364	1370	6	Clay-shale, medium-gray to olive-gray and dark-gray
1373	1379	6	Shale, medium-gray, silty; some medium-gray to olive-gray and dark-gray shale
1381	1401	20	Siltstone, light- to medium-gray, coarse to sandstone, light-gray, fine; some medium-gray, silty shale
1406	1421	15	Sandstone, very light gray, fine- to medium-grained, some coarse grains
1426	1451	25	Sandstone, very light gray, mostly fine-grained
1455	1460	5	Shale and some siltstone, medium light to medium-gray; some very light gray to light brownish gray shale; a large amount of dark to dusky yellowish brown siderite and sideritic, sandy siltstone and shale
1470			Sandstone, light-gray, very fine contains some specks of siderite and a little mica
1475			Sandstone, very light to light gray, very fine to fine-grained, somewhat micaceous and sideritic

1486	1491	5	Sandstone, very light to light-gray, mostly very fine; small amounts of gray shale
1496	1501	5	Sandstone, light-gray, very fine; some medium- to dark-gray shale, a small amount of dark to dusky yellowish brown, sideritic shale
1506	1516	10	Sandstone, very light to light-gray, very fine to fine-grained
1521			Sandstone, very light to light gray, very fine to fine grained; some medium- to dark-gray shale
<u>Mauch Chunk 96 plus feet.</u>			
1526	1536	10	Limestone, medium-gray, to olive-gray and dark greenish gray, shaly
1541	1546	5	Limestone, medium- to dark-gray with light-gray, shaly limestone
1551	1556	5	Limestone, brownish-gray to medium-gray, shaly in part; shale, medium-gray to dark greenish gray, highly calcareous, fossiliferous
1561			Siltstone to very fine sandstone, light- to medium-gray, somewhat sideritic
1571			Same as above
1576			Sandstone, very light gray to yellowish-gray and light greenish gray, very fine to fine-grained
1581	1591	10	Siltstone and some shale, medium-gray to dark greenish gray; some grayish-red to reddish-gray shale
1591	1601	10	Shale, grayish brown to dusky-brown, some grayish-red
1606	1611	5	Shale, medium-gray to dark greenish gray, some dark-gray to grayish-black, some greenish-red to grayish-brown, contains calcareous spots
1616			Clay-shale, grayish-red to grayish- and dusky-brown; siltstone, medium-gray to dark greenish gray