

AUG 25 1955

CHARLES H. BARBOUR No. 1

By: W. L. Dial, et al, 2778 Elmwood Avenue, Rear, Huntington, W. Va.
McComas District, Cabell County, West Virginia.
Guyandot Quadrangle - SE.
Located 3.62 Mi. S. of 38° 25' and .55 Mi. W. of 82° 15' Long.
Permit, Cab-471.
Elevation 542'.

Drilling commenced April 26, 1954; completed July 24, 1954.

Shot July 23, 24, and 29th, Berea, with 2800# powder; shot from 2710' to 3296' with 4150# Gelatin 80% Nitro.

Gas well; 253,000 cu. ft.; open flow 36/10ths water in 2"; 600 lbs. rock pressure in hours.

Fresh water, 110', hole full; .480' 1/2 bbl. per hour; 868', 4 bbl. per hour; 1085', hole full.

Gas show at 1610', 1700', approximately 2870'.

10-3/4" casing, 80'; 8-5/8", 381'; 7" od; 7" left in well.

Section based on samples from 1377 to 2236'; examined by Russell R. Flowers.

Top Bottom Thickness

MAUCH CHUNK FORMATION, 33, plus, Feet.

1377 1380 3 Dolomite, dark gray to brownish black, shaly, cherty (milky); sandstone, white, fine grained, sub-rounded with secondary crystal facets

1580 1407 27 No sample

GREENBRIER LIMESTONE, 171? Feet.

Top of Greenbrier Limestone probably near 1400'.

1407 1445 38 Limestone-oolite, pale yellowish brown to light olive gray, dolomitic from 1417-33, less oolitic in the lower part

1445 1454 9 No sample

1454 1478 24 Limestone, light olive gray, highly oolitic in part, somewhat fossiliferous (forams - Climacamin sp. ~~...~~)

1478 1506 28 Limestone, pale yellowish brown to light olive gray, somewhat sandy (very fine to fine grained, rounded); some olive gray, very sandy (very fine grained), somewhat argillaceous limestone in the middle and lower part

1506 1533 27 Limestone-oolite (calcareous in part) to dolomite (calcareous), yellowish gray to light olive gray, somewhat sandy (very fine to fine grained), somewhat silty

1533 1559 26 Dolomite, light olive gray, some pale yellowish brown to light olive gray, highly calcareous, sandy at the top to somewhat sandy at the bottom, very fine grained, some fine grains, very silty (coarse) in the middle and lower part

1559 1571 12 Dolomite, light olive gray, some light olive gray to brownish black, saccharoidal texture, silty, somewhat sandy (fine grained, rounded)

POCONO FORMATION, 61/ 687 Feet.

1571 1592 21 Shale, dark gray to siltstone (coarse), medium to medium dark gray; some sandstone in the upper part, very light gray, fine grained with some medium to coarse grains (subrounded); contains small amount of pyrite

1592	1615	23	Siltstone, medium to medium dark gray, coarse, some medium to dark gray (shaly)
1615	1624	9	Shale, dark gray, silty
1624	1638	14	No sample
1638	1713	75	Sandstone, light gray, with medium to dark silty and shaly streak, very fine grained with many fine to coarse grains in the upper part, some fine to medium grains in the middle and lower part, very silty and argillaceous in the upper part and at the bottom; some dark gray, silty shale at the bottom
1713	1744	31	Sandstone, light gray to medium gray (very silty, argillaceous), very fine grained, contains specks and flakes of carbonaceous material and biotite; large amount of medium dark to dark gray shale
1744	1830	86	Shale, dark gray, silty, somewhat carbonaceous (carbonized plant fragments?), somewhat micaceous; small amount of light gray to yellowish brown, sideritic, very fine sandstone to a dark yellowish brown, argillaceous siderite
	1830		Depth corrected to 1805
1805	1835	30	Shale, dark gray, silty and sandy in part, contains mica flakes and carbonaceous specks; small amount of dark to dusky yellowish brown, argillaceous siderite; some light gray to medium gray, silty, argillaceous sandstone, very fine grained
1835	1879	42	No sample
1879	1895	14 ¹⁶	Shale, dark gray, very silty, sandy (very fine grained); some dusky yellowish brown, shaly siderite; some light to medium gray, silty, very fine grained sandstone
1895	1915	20	No sample
1915	1940	25	Shale, dark gray, very silty and sandy (very fine grained) in part, contains a little Mica and carbonaceous specks, contains some of dusky yellowish brown siderite and light to medium gray sandstone
1940	1959	15 ¹⁹	No sample
1959	1969	10	Same as interval from 1915 to 1940
1969	1983	14	No sample
1983	2050	67	Siltstone, light to medium gray, somewhat calcareous, some light brown (sideritic); some medium dark to dark gray shale and siltstone
2050	2100	50	No sample
2100	2110	10	Same as sample from 1983 to 2050
2110	2124	14	No sample
2124	2179	55	Siltstone and shale, medium dark gray to dark gray, kaolinitic, micaceous, small amount of pyrite
2179	2195	16	Shale, dark gray to grayish black, pyritic in part; moderate amount of shale and some siltstone, medium dark gray (SUNBURY SHALE)

BEREA SANDSTONE, 13 Feet

2195	2207	12	Sandstone, very light gray, very fine grained, pyritic, somewhat kaolinitic; some grayish black shale Bottom of Berea at 2208 -- from drillers' log
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DEVONIAN SHALES, 28, plus, FEET.

2207	2212	5	No sample
2212	2224	12	Siltstone, medium dark gray with some medium dark to dark gray shale
2224	2236	12	Siltstone and shale, medium to medium dark gray