

GEORGE BRYANT No. W-1 WELL.

By Quaker State Engineering Co., Marietta, Ohio.

Elk District, Kanawha County, W. Va.

Clendenin Quadrangle - W0.

Located .43 Mi. S. of 38° 25' Lat. and 2.55 Mi. W. of 81° 25' Long.

Permit Kan-1621.

Elevation 896.88'.

Drilling commenced December, 1953; completed April, 1954.

Shot 3-15-53 from 1898 and 1944 to 2027 with 270 Qbs.

Water Injebien well.

Casing 8-1/4", 415'; 6-5/8", 1615'; 5-3/16", 1898' Section cored
from 1897' to 2030'.

Section based on samples from 1400 to 2030 ; examined by Russell R. Flowers.

Top Bottom Thickness

POTTSVILLE FORMATION, 18, plus, FEET.

1400	1418	18	Sandstone, very light gray, coarse grains to granules, rounded with some dolomitic and sideritic fine grained sandstone in the upper part and many medium sand grains in the lower part
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HAUGH CHUNK FORMATION, 175 FEET.

1418	1421	3	Dolomite to siderite, dark yellowish brown; shale medium dark gray to dark greenish gray, some grayish brown to grayish red
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1421	1428	7	Shale, grayish brown, silty in part; shale and siltstone, medium to medium dark gray and dark greenish gray, dolomitic in part
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1428 - 1541 113

~~NOT DESCRIBED 1428 - 1541~~

1541	1555	14	Sandstone, white, very fine grained, quartzose, dolomitic in part
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1555	1564	9	Limestone, dark gray to brownish black, argillaceous, dolomitic; some shale, dark gray, grayish brown
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1564	1573	9	Limestone, dark gray to brownish and grayish black, highly argillaceous, fossiliferous (some crinoid fragments)
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1573	1593	20	Limestone to calcareous shale, dark gray to grayish black with less brownish black, fossiliferous (crinoidal); some dark gray, soft shale at the bottom
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GREENBRIER LIMESTONE, 186 FEET.

1593	1597	4	Limestone, dark gray to brownish black in the upper part to dark gray mottled with brownish gray in the lower part, fossiliferous, colitic?, argillaceous at the top
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1597	1610	13	Limestone, light olive gray, colitic, dolomitic, argillaceous in part with some calcareous and dolomitic dark greenish gray shale in the upper part; a large amount of olive gray to medium dark gray, highly calcareous shale at the bottom
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1610	1616	6	Limestone, pale yellowish brown to light olive gray, some olive gray, fossiliferous
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1616	1623	7	Limestone, light olive gray to olive gray, silty, somewhat argillaceous, contains fossil fragments
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1623	1630	7	Limestone, yellowish gray to light olive gray, scarce (feramifera); moderate amount of shale in the upper part, olive gray to medium dark gray and dark greenish gray, some grayish red to brownish gray
1630	1649	19	Limestone, light olive gray to light gray, somewhat argillaceous, fossiliferous (feramifera)
1649	1658	9	Limestone, olive gray to brownish black, highly oolitic in part, argillaceous in part
1658	1687	29	Limestone, yellowish gray to light olive gray, highly oolitic in part
1687	1697	10	Limestone-oolites, pale to dark yellowish brown, fine to medium grained, sandy in the upper part to very sandy in the lower part (very fine to fine grained, rounded, some medium grains)
1697	1725	28	Limestone-oolites, pale to dark yellowish brown, somewhat sandy (very fine to fine grained), the oolites are mostly fine grained; some very fine grains, sandy, limestone at the bottom
1725	1760	35	Dolomite, light olive gray, calcareous
1760	1772	12	Dolomite, light olive gray to pale yellowish brown, highly calcareous (dolomitized limestone-oolites), somewhat sandy (fine to medium grained)
1772	1779	7	Dolomite, very pale orange to pale yellowish brown, some grayish orange, highly calcareous, very sandy (very fine to coarse grains, rounded), very silty

POCONO FORMATION, 251. plus, FREE.

1779	1816	37	Shale, dark gray, silty and sandy in part to dark gray to dark greenish gray, very fine grained sandstone, (argillaceous)
1816	1840	24	Siltstone, medium dark gray and medium dark gray to dark gray interbedded with dark gray shale, somewhat dolomitic
1840	1847	7	Siltstone, to very fine grained sandstone, with fine to coarse quartz sand grains, light olive gray, dolomitic and sideritic; some dark gray shale and siltstone
1847	1869	22	Shale, dark gray, very small amount of dark yellowish brown (highly sideritic), sandy in part with some medium to medium dark gray, fine grained sandstone, silty
1869	1890	21	Sandstone, medium gray to light brownish gray, very fine grained; some shale, dark gray, a very small amount of dark yellowish brown (sideritic)
1890	1907	17	Sandstone, light olive gray to medium light gray, very fine grained, argillaceous, with some dark gray streaks of shale
1907	1952	45	Sandstone, light gray, very fine grained, argillaceous; some dark gray shale, large amount at 1933-39, slightly fluorescent at the bottom
1952	2006	54	Sandstone, very light to light gray, very fine to fine grained, argillaceous (much is due to weathered feldspar), somewhat fluorescent, moderately fluorescent at 1960-70, slightly fluorescent at the bottom; some dark gray shale at 1970-80 and 1990-2000

- 2006 2024 18 Sandstone, very light to light gray, fine grained, fine to medium grained, contains much weathered feldspar, moderately fluorescent in the upper part, somewhat to slightly fluorescent in the lower part; small amount of olive gray to brownish gray, fossiliferous limestone at the bottom; small amount of dark gray shale at 2008-10 and 2018-23
- 2024 2030 6 Sandstone, light gray, some very light gray, very fine grained, fine grained in part, contains some weathered feldspar, some dark gray streaks and interbeds of shale, slightly fluorescent