

ERNEST PAULEY NO. 1 (865) WELL.

By Owens, Libbey-Owens, Box 4158, Charleston 4, W. Va.
 Washington District - St. Albans Quadrangle - NE
 Located 4.12 Mi. S of 38° 20' and 1.77 Mi. W. of 81° 45' Longitude.
 Permit - Kan-1595.
 Elevation 817.96' L.
 Drilling commenced 1/6/54; completed 5/19/54.
 Shot 3/24/54 from 2503-3984 with 14,300# Detonite.
 Fresh water 207' filled up to 115', 451-460'; Salt water 720'.
 Gas Well; Volume 100M Cu. Ft. Rock Pressure 220#^{CG}, 335#^{tbg} in 7 days.
 Casing 8 5/8", 378' 8"; 7", 1653' 4"; 3 1/2", 1963' 5".
 Section based on samples from 1561 to 2277; examined by Russell R. Flowers.

Top	Bottom	Thickness	
<u>MAUCH CRUNK SERIES, 23, plus, Feet.</u>			
1561	1581	20	Limestone to shale, brownish black to dark gray and grayish black, highly fossiliferous (crinoidal)
1581	1584	3	Shale, dark gray, soft
<u>GREENEBLER LIMESTONE, 181 FEET.</u>			
1584	1601	17	Limestone, white to light olive gray, highly oolitic, fossiliferous (forams)
1601	1614	13	Limestone, light olive gray to dark yellowish brown, argillaceous in part, mostly light olive gray to olive gray in the lower part
1614	1626	12	Limestone, Light olive gray, ^{to olive gray,} somewhat argillaceous
1626	1642	16	Limestone, light olive gray to dark yellowish brown, highly oolitic, small amount is argillaceous
1642	1647	5	Limestone-oolites, white to yellowish gray, very fine to fine grained, some medium grains, compact
1647	1654	7	No sample
1654	1659	5	Limestone, yellowish gray, oolitic
1659	1662	3	No sample
1662	1669	7	Limestone, light olive gray to olive gray
1669	1675	6	Limestone, light olive gray to olive gray and dark yellowish brown
1675	1698	23	Limestone, pale yellowish brown to olive gray, somewhat sandy (very fine grained) in the upper part, oolitic in part, dolomitic in the lower part
1698	1706	8	Limestone, yellowish gray to light olive gray, very highly oolitic (fine to medium grained in part)
1706	1727	21	Dolomite, yellowish gray to light olive gray, high calcareous; some light olive gray to greenish gray (somewhat argillaceous)
1727	1755	28	Limestone, pale yellowish brown to light olive gray, highly oolitic in part (medium grained); dolomite, olive gray to dark greenish gray, highly calcareous, argillaceous, highly argillaceous in part

1755 1766 10

Limestone, pale to dark yellowish brown, dolomitic in part at the top, somewhat pyritic; some pale to dark yellowish brown dolomite in the lower part

MACGRADY, 14, plus, FEEX.

1765 1779 14

Siltstone, dusky brown to brownish gray, small amount of grayish red to very dusky red in the middle part, argillaceous