

Well: V-66-1
Property Owner: J. Ralph Johnson
Driller: Froehling and Robertson
Location: Farm road 300 feet northwest of State Route 634,
0.35 mile northeast of U. S. Route 460
Altitude Top of Hole: 74.6 feet
Total Depth: 55.0 feet
Started Drilling: June 9, 1966
Completed Drilling: June 9, 1966
Sample Description by: N. K. Coch
Reference: Coch, Report in preparation

GEOLOGIC SUMMARY

Depth (in feet)	Thickness (in feet)	Formation	Age
0-35'	35'	Elberon <i>WINDSOR</i>	Middle Pleistocene
35-50'	15'	Sedley	Pliocene
50-55	5'	Yorktown	Late Miocene

GEOLOGIC LOG

Formation	Depth in feet	Thickness in feet	Description
Elberon	0.0-3.5	3.5	Flush Interval
	3.5-5.5	2	Sand -- gray with red splotches, medium- to coarse; clayey (40 percent) fairly compact. Some vertical streaks of slightly clayey tan sand with white specks, possibly gray clay plates 3.5 ^t -4.5 ^t - 14 blows per foot. 4.5 ^t -5.5 ^t - 18 blows per foot.
	5.5-8.5	3	Flush Interval
	8.5-10.5	2	Sand -- gray with 10 percent linear streaks of red and orange, medium, definite dark gray clay plates (maximum 1.5 mm), parallel stratification ? 8.5 ^t -9.5 ^t - 16 blows per foot 9.5 ^t -10.5 ^t - 20 blows per foot.
	10.5-13.5	3	Flush Interval. (Becomes more sandy and less oxidized near base of interval).
	13.5-15.5	2	Sand -- orange-tan, medium- to coarse, semi-horizontal streaks of gray clay, noticeable opaque minerals, 20 percent clay 13.5 ^t -14.5 ^t - 8 blows per foot 14.5 ^t -15.5 ^t - 9 blows per foot.
	15.5-18.5	3.0	Flush Interval. (Definite change at 18.0; becomes less compact and more water laden. Base of Elberon Formation ?).

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Formation	Depth in feet	Thickness in feet	Description
g [Sedley]	18.5-21	2	Sand — grayish-white, becomes orange-tan at base of interval; coarse, angular, noticeable opaque minerals 19.0 ^t -20.0 ^t - 4 blows per foot 20.0 ^t -21.0 ^t - 4 blows per foot.
	21 - 24	3	Sand — dark-orange, medium, opaque minerals; slightly clayey. This interval is definitely more oxidized than unit above (Bacon's Castle Formation ?) clay platelets at base of upper unit (Elberon Formation ?) 22.0 ^t -23.0 ^t - 20 blows per foot 23.0 ^t -24.0 ^t - 25 blows per foot.
	24 - 28	4	Flush Interval
	28 - 30	2	Sand — tan and orange, medium-coarse, with laminae, rich in opaque minerals and some lenses of gray silt (Cross Creek facies ?) 28.0 ^t -29.0 - 24 blows per foot 29.0 ^t -30.0 ^t - 65 blows per foot.
	30 - 33	3	Flush Interval
	33 - 35	2	Sand — tan with white specks, very-coarse, slightly clayey, plus a fragment of kyanite schist (1.5 mm), sharp contact with underlying unit. Silt, clayey, very finely laminated with very fine, slightly clayey sand, Top 0.4 foot is deeply weathered with ferricrete crusts and good outlining of textures in laminae by weathering 33.0 ^t -34.0 ^t - 8 blows per foot 34.0 ^t -35.0 ^t - 11 blows per foot.

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Formation	Depth in feet	Thickness in feet	Description
Sedley	35 - 38	3	Flush Interval
	38 - 40	2	Sand -- bluish-gray, well-washed (0.5 mm thick laminae), and clay, grayish-blue, silty, (2.5 cm thick laminae) 38.0 ^t -39.0 ^t - 4 blows per foot 39.0 ^t -40.0 ^t - 8 blows per foot.
	40 - 43	3	Flush Interval
	43 - 45	2	Sand -- tan, gray, and orange, medium, laminated, some vertical orange streaks (oxidized layer) 43.0 ^t -44.0 ^t - 9 blows per foot 44.0 ^t -45.0 ^t - 39 blows per foot.
	45 - 48	3	Flush Interval
	48 - 50	2	Sand -- bluish-gray, medium- to coarse, somewhat clayey, some small clay blebs (base of Sedley Formation ?) 48.0 ^t -49.0 ^t - 10 blows per foot 49.0 ^t -50.0 ^t - 10 blows per foot.
Yorktown	50 - 53	3	Flush Interval (First shells in wash at 51.0)
	53.5 - 55.5	2	Silt -- blue, sandy, highly fossiliferous, mostly small forms (1 cm maximum), and fragments (about 50%). 53.0 ^t -54.0 ^t - 16 blows per foot 54.0 ^t -55.0 ^t - 26 blows per foot.

