

County : Sussex

VDNR Well No. 2213

Well : NR (Nottoway River)
Property : State road right-of-way
Driller : Froehling and Robertson
Location : 0.15 mile NE of Nottoway River on abandoned
section of Pte. 631
Elevation : 35 feet
Total Depth : 45 feet
Started drilling : June 1968 Completed drilling : June 1968
Sample description by : R.H. Teiske, Virginia Division of
Mineral Resources, November 27, 1968

GEOLOGIC LOG

Depth in feet

0-3 No sample

COLUMBIA GROUP (0-19')

0-3 No sample

3-5 Sand - yellowish-brown, very slightly clayey;
fine to medium, fairly well-sorted, angular;
small amount of decomposed feldspar

5-8 No sample

8-10 Sand - yellowish-brown, trace of clay;
medium to very coarse, rather poorly sorted,
angular; small amount of decomposed
feldspar

10-13 No sample

13-15 Clay - ^{-brown} grayish, moderately silty and sandy; sand is medium to very coarse, moderately sorted, angular to subrounded; micaceous, slightly feldspathic; garnet common

15-18 No sample

18-19 Clay - brown, silty, micaceous, trace of sand

PATLIXENT FORMATION (19-45')

19-20 Sand and gravel - light-brown, slightly silty and clayey; ^(total 10%) 60% coarse to very coarse, fairly well-sorted, subangular to subrounded sand; 30% gravel and a few rounded pebbles up to 10 mm; both fractions feldspathic to very feldspathic; minor garnet

20-23 No sample

23-25 Sand - gray, very slightly clayey; ^(~3%) 2% feldspathic granule gravel; medium to very coarse, moderately sorted, angular to rounded; feldspathic

25-28 No sample

28-28.7 Sand - light-gray, slightly to moderately clayey; medium, well-sorted, subangular; feldspathic; muscovite common

28.7-30 Clay - interlaminated black and gray, silty and sandy; sand is very fine, well-sorted, micaceous, pyritic

30-33 No sample

33-35 Sand - brownish-gray, trace of clay, 5% feldspathic granule gravel; medium to very coarse, fairly well-sorted, angular to subangular; very feldspathic; garnet common

35-38 No sample

38-40 Sand and gravel - tan, slightly clayey; ^(~5%) 36% fine (2-15 mm) moderately sorted gravel; 65% fine to very coarse, moderately sorted (showed coarse) sand; both fractions are feldspathic; traces of garnet and pyrite

40-42 No sample

43-45 Sand - tan, slightly clayey; medium, well-sorted, angular to subangular; feldspathic; minor muscovite and garnet

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-3	No sample	
34-19	Columbia Group	Pliocene
19-45	Patuxent Formation	Early Cretaceous