

DEPTH (feet)		TYPE OF SOIL OR ROCK PENETRATED (gravel, clay, etc., hardness, color, etc)	REMARKS (water, caving, shot, screen, sample, etc)
FROM	TO		
0	15	Red clay	
15	43	Red and yellow sand	
43	90	Blue clay with streaks of shells	
90	180	Grey clay, black sand and shells	
180	225	Grey sand, gravel and shells	
225	238	Grey clay, sand and gravel	
238	258	Grey sand and gravel	
258	260	Grey clay	
260	315	Grey sand and gravel	
315	328	Grey clay and gravel	

VIRGINIA DIVISION OF MINERAL RESOURCES
 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

Page 1 of 1

Well Repository No: W# 493
 C# 11

Date rec'd: 8/2/61 Date Processed:

Sample Interval: from: to:
 15 315

PROPERTY: Spring Meadows Sub. #2

Number of samples: 7

COMPANY: Sydnor Pump & Well Co.

Total Depth: 328

COUNTY: Hanover
 (Mechanicsville)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
15- 43	-	-	-
43- 90	-	-	-
90- 180	-	-	-
180- 225	-	-	-
225- 238	-	-	-
238- 258	-	-	-
58- 315	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Washed and unwashed samples

OWNER: Spring Meadows #2
DRILLER: Sydnor
COUNTY: Hanover

W# 493
C# 11
TOTAL DEPTH: 315'
QUAD: Seven Pines

GEOLOGIC LOG

Depth
(feet)

- 0 - 15 No sample.
- 15 - 43 Sand and granules -- dark yellowish orange; 50% very heavily stained grains; slightly clayey; coarse to very coarse grained, 50% granules, 5% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; few grains of glauconite.
- 43 - 90 Sand - olive light gray; moderate clay; fine to medium grained, some coarse grains, 7% granules; subangular to rounded; moderately well sorted; quartz; 20% glauconite; 5% shell fragments; some muscovite; few black phosphatic fragments; few echinoid spines; forams rare (inc. Buccella); ostracode.
- 90 - 180 Sand -- olive light gray; slightly clayey; fine grained to granular, few pebbles; subangular to rounded; poorly sorted; quartz; 15% glauconite; 5% shell fragments; few black phosphatic fragments; few grains of garnet.
- 180 - 225 Gravel -- greenish gray; moderate coarse to very coarse grained sand, 10% granules; subangular to subrounded; moderately sorted; quartz (some grains stained green); 15% shell fragments; 2% glauconite; some black phosphatic material; some feldspar.
- 225 - 238 Sand -- off white; coarse grained to gravel; subrounded; moderately sorted; quartz; feldspar; 2% shell fragments; 2% glauconite; muscovite.
- 238 - 258 Gravel -- off white; slightly sandy; very coarse grained to granular; subrounded; moderately sorted; quartz; feldspar; some glauconite; some shell fragments.
- 258 - 315 Sand and gravel -- off white; coarse grained to granular; 40% pebbles; subrounded; poorly sorted; quartz; feldspar; 2% glauconite; few shell fragments.

Logged by: Michael T. Currie
December 27, 1978

GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0 - 15	15	No sample	
15 - 43	28	Columbia Group	Pleistocene
43 - 225	182	Nanjemoy Formation	Eocene
225 - 315	90	Patuxent Formation	Cretaceous

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
December 28, 1978