W#: 2500
C#: 124

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:
Box 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

WATER WELL COMPLETION REPORT

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: Mr. Clyde Goff — Mailing Address: P. O. Box 9512-Richmond, VA

TENANT: Beechwood Farms #2 — Mailing Address:

DRILLER: Sydnor Hydrodynamics, Inc. — Mailing Address: 1305 Brook Rd.-Richmond, VA

WELL LOCATION: County Hanover — Approx. 1100 ~~feet~~ ~~miles~~ west (direction) of Intersection of Ponderosa Lane & Beechwood Dr. 1500 ~~feet~~ ~~miles~~ and South (direction) of Route #637

(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC. - ON COUNTY HIGHWAY OR OTHER MAP.)

DATE STARTED: 3/20/69 — DATE COMPLETED: 4/18/69

TYPE OF DRILL RIG USED: Rotary — TOTAL DEPTH 653 feet

WATER LEVEL: Stands _____ feet below surface OR has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Air lift
Drawdown 490 feet
Rate 3 gal. per min.
Duration _____ hrs., _____ min.

WATER ZONES: from 167 to 187 feet
from 303 to _____ feet
from 491 to _____ feet

WATER: Color _____ Taste _____
Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____
Farm _____ Town _____ School _____
Industry _____ Other Subdivision

WATER ANALYSIS AVAILABLE: Yes _____ No X

DRILL CUTTINGS SAVED: 65 Yes X No _____

HOLE SIZE: 12 inches from 0 to 192 feet
6 inches from 192 to 653 feet
_____ inches from _____ to _____ feet

SCREEN SIZE: 6 inches from 167 to 187 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

CASE SIZE: 6 inches from +1 to 167 feet
6 inches from 187 to 192 feet
_____ inches from _____ to _____ feet

GROUTING: Method Pressure
Material Cement Water Depth 50 feet

PUMP: Type _____
Capacity _____ gal. per min
Depth of intake _____ feet

(DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHED FREE OF CHARGE UPON REQUEST.)

REMARKS:

(LOG OF WELL) OVER

LOG

FURNISHED BY: Sydnor Hydrodynamics DATE: 4/22/69

DEPTH (feet) FROM	TO	TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
0	2	Top soil	
2	16	Red clay	
16	32	Brown sand & clay	
32	44	Blue clay	
44	70	Blue clay & shells	
70	87	Hard blue clay	
87	113	Hard sand & clay	
113	122	Hard clay	
122	148	Sand clay	
148	165	Tough gray clay	
165	174	Soft rotten rock	
174	192	Rock and gray granite	
192	236	Black and gray granite	
236	301	Gray granite with red streaks	
301	303	Soft streak rock and gray granite with chalk material	
303	431	Gray granite with red streaks	
431	476	Gray granite	
476	498	Gray granite (Water C 49' - 2gpm)	
498	653	Red granite	

(Use additional forms if necessary)

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

INTERVAL SHEET

Page 1 of 1

W#: 2500
Well Repository No: C#: 124

Date rec'd: 6/4/69 Date Processed:

Sample Interval: from: 0 to: 650

PROPERTY: C. Goff (Beechwood Farms #2)

Number of samples: 65'

COMPANY: Sydnor Hydrodynamics, Inc.

Total Depth: 653'

COUNTY: Hanover (Poindexter)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
0 - 10	250-260	500-510	-
10 - 20	260-270	510-520	-
20 - 30	270-280	520-530	-
30 - 40	280-290	530-540	-
40 - 50	290-300	540-550	-
50 - 60	300-310	550-560	-
60 - 70	310-320	560-570	-
70 - 80	320-330	570-580	-
80 - 90	330-340	580-590	-
90 - 100	340-350	590-600	-
100 - 110	350-360	600-610	-
110 - 120	360-370	610-620	-
120 - 130	370-380	620-630	-
130 - 140	380-390	630-640	-
140 - 150	390-400	640-650	-
150 - 160	400-410	-	-
160 - 170	410-420	-	-
170 - 180	420-430	-	-
180 - 190	430-440	-	-
190 - 200	440-450	-	-
200 - 210	450-460	-	-
210 - 220	460-470	-	-
220 - 230	470-480	-	-
230 - 240	480-490	-	-
240 - 250	490-500	-	-

All intervals have both washed & unwashed samples

OWNER:	C. Goff (Beechwood Farms #2)	W#:	2500
		C#:	124
DRILLER:	Sydnor Hydrodynamics	TOTAL DEPTH:	653'
COUNTY:	Hanover (Poindexter)	QUAD.:	Yellow Tavern

GEOLOGIC LOG

Depth (feet)	
0-10	Sand — grayish orange; abundant clay; fine to medium grained, some coarse grains, some granules, few pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; few opaques; few grains of glauconite.
10-20	Sand — dark yellowish orange; some stained grains; moderate clay; fine to coarse grained, some granules, few pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; few opaques.
20-30	Sand — grayish orange; slightly clayey; medium grained to granular, 5% pebbles; angular to subrounded; poorly sorted; quartz (dull black or dark gray incrustations on some grains); feldspar; some opaques; muscovite.
30-40	As above.
40-50	Sand — olive light gray; moderate clay; fine grained, some medium grains; subangular; well sorted; quartz; 20% shell fragments; 2% black phosphatic material; few flakes of muscovite;few echinoid spines.
50-60	As above plus few bone fragments.
60-70	As above plus few grains of glauconite; shark's tooth.
70-80	Sand — olive light gray; moderate clay; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; 30% shell fragments; 2% black phosphatic fragments; few grains of glauconite; muscovite.
80-90	Clay — olive light gray; moderate sand; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; 3% shell fragments; 3% black phosphatic material; few flakes of muscovite; ostracode.
90-100	As above except 7% shell fragmetns; 5% black phosphatic material; few grains of glauconite.
100-110	Sand and coquina — olive light gray; moderate clay; fine to medium grained, some granules; subangular to subrounded; moderately well sorted; quartz; 50% limestone and shell fragments; 2% black phosphatic material; few grains of glauconite; bone fragment.

Depth (feet)	
110-120	As above except no bone fragments.
120-130	Sand and gravel — olive light gray; moderate clay; medium grained to granular, 40% pebbles; angular to subangular; poorly sorted; quartz; some feldspar; some glauconite; few black phosphatic fragments; few flakes of muscovite.
130-140	Gravel — olive light gray; slightly clayey; abundant coarse grained sand, 15% granules; angular to subangular; poorly sorted; quartz; feldspar; few grains of glauconite.
140-150	Sand — light olive gray; slightly clayey; coarse grained, 10% granules, some pebbles; subrounded; moderately well sorted; quartz; feldspar; few grains of glauconite; muscovite.
150-160	Granite (weathered) — olive light gray; moderate clay; quartz; feldspar; 3% biotite; few grains of garnet; muscovite.
160-170	Granite — moderate orange pink, black; quartz; feldspar; 25% biotite; few grains of pyrite; garnet; muscovite
170-180	Granite — medium dark gray; moderate orange pink, white; quartz; feldspar; 15% biotite; few flakes of muscovite (note: Sample seems to be contaminated with subrounded quartz and feldspar gravel).
180-192	Granite — medium dark gray, moderate orange pink, white; quartz; feldspar; 30% biotite; few grains of pyrite.
192-2001	Granite — dark gray, black, medium light gray; quartz; feldspar; 35% biotite (note: Sample seems to be contaminated with subrounded to rounded coarse quartz grains).
200-210	Granite — medium gray; quartz; feldspar; 40% biotite; few flakes of muscovite.
210-220	As above plus few grains of pyrite.
220-230	As above except 25% biotite.
230-240	Granite — medium gray; quartz; feldspar; 30% biotite; few flakes of muscovite.
240-250	As above except 35% biotite; few grains of pyrite.
250-260	As above except no pyrite.
260-270	As above except 30% biotite.
270-280	As above.
280-290	Granite — salt and pepper; quartz; feldspar; 35% biotite; few flakes of muscovite; few grains of garnet.

Depth (feet)	
290-300	Granite — dark gray, medium light gray, white; quartz; feldspar; 40% biotite; few grains of pyrite.
300-310	Granite — salt and pepper; quartz; feldspar; 30% biotite; few flakes of muscovite; few grains of garnet; pyrite.
310-320	Granite — dark gray, light gray, white; quartz; feldspar; 35% biotite; few flakes of muscovite.
320-330	As above plus few grains of pyrite.
330-340	Granite — light gray; quartz; feldspar; 30% biotite.
340-350	As above except 25% biotite.
350-360	Granite — light gray, medium dark gray, moderate orange pink; quartz; feldspar; 35% biotite; some muscovite.
360-370	Granite — light gray; quartz; feldspar; 25% biotite; some muscovite; few grains of garnet; pyrite.
370-380	As above except no garnet.
380-390	As above except 30% biotite.
390-400	As above except no pyrite.
400-410	As above except 25% biotite.
410-420	Granite — medium gray; quartz; feldspar; 25% biotite; few flakes of muscovite.
420-430	As above;
430-440	Granite — light gray; quartz; feldspar; 20% biotite; few flakes of muscovite.
440-450	As above except 25% biotite.
450-460	As above.
460-470	Granite — salt and pepper; quartz; feldspar; 30% biotite.
470-480	Granite — medium light gray, black, moderate orange pink; quartz; feldspar; 35% biotite; few grains of pyrite.
480-490	Granite — medium gray; quartz; feldspar; 45% biotite.
490-500	As above;
500-510	Granite — salt and pepper; quartz; feldspar; 25% biotite.

Depth (feet)	
510-520	Granite — salt and pepper; quartz; feldspar; 15% biotite; some muscovite.
520-530	Granite — grayish orange pink; quartz; feldspar; 5% biotite; 3% muscovite;
530-540	As above.
540-550	As above except 2% biotite.
550-560	As above.
560-570	Granite — light grayish orange; quartz; feldspar; 3% biotite; 3% muscovite.
570-580	As above.
580-590	As above except 5% biotite.
590-600	As above except some muscovite.
600-610	As above except 7% biotite; 3% muscovite.
610-620	Granite — dark yellowish orange; quartz; feldspar; 3% biotite; 2% muscovite.
620-630	Granite — grayish orange pink; quartz; feldspar; 5% biotite; 2% muscovite.
630-640	As above except 3% biotite; some muscovite.
640-650	As above except 5% biotite; 3% muscovite;
650-653	No sample.

Logged by: Michael T. Currie
January 2, 1979

OWNER: C. Goff
(Beechwood Farms #2)

W# 2500

GEOLOGIC SUMMARY

Depth (feet)	Thickness (feet)	Rock Unit	Time Rock Unit
0-40	40	Columbia Group	Pleistocene
40-80	40	Eastover Formation (Cobham Bay M.)	Miocene
80-120	40	Eastover Formation (Claremont M.)	Miocene
120-150	30	Patuxent Formation	Cretaceous
150-653	503	Petersburg Granite	Paleozoic (?)

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
January 3, 1979