

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:  
B-3667  
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES  
JAMES L. CALVER, COMMISSIONER  
WATER WELL COMPLETION REPORT

OFFICE ADDRESS:  
McCormick Road  
Charlottesville, Virginia

OWNER: Stewart Vest Mailing Address: 1523 Sergeant Court, Richmond, VA 23228

TENANT: \_\_\_\_\_ Mailing Address: \_\_\_\_\_

DRILLER: Sydnor Hydrodynamics Mailing Address: P. O. Box 27186, Richmond, VA 23261

WELL LOCATION: County Henrico Approx. 750 <sup>feet</sup> ~~xxxx~~ southeast (direction) of  
Chickahominy River and 100 <sup>feet</sup> ~~xxxx~~ northwest (direction) of Greenwood Road

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

DATE STARTED: 11-11-77 DATE COMPLETED: 11-22-77

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 160 feet

WATER LEVEL: Stands 24 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Airlift  
Drawdown 100 feet  
Rate 10 gal. per min.  
Duration 4 hrs., \_\_\_\_\_ min.

HOLE SIZE: 11 inches from 0 to 50 feet  
6 inches from 50 to 160 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: 2 inches from 110 to 150 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_  
Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

CASE SIZE: 6 inches from 0 to 110 feet  
4 inches from +1 to 110 feet  
2 inches from 150 to 155 feet

WELL TO SUPPLY: (check one) Home   
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_  
Industry \_\_\_\_\_ Other \_\_\_\_\_

GROUTING: Method \_\_\_\_\_  
Material \_\_\_\_\_ Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No

PUMP: Type \_\_\_\_\_  
Capacity \_\_\_\_\_ gal per min  
Depth of intake \_\_\_\_\_ feet

DRILL CUTTINGS SAVED: 16 Yes  No \_\_\_\_\_

(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

FURNISHED BY: Lonnie Cox

DATE: \_\_\_\_\_

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, casing, shot, screen, sample, etc.)
FROM	TO		
0	24	Red clay	
26	45	Decomposed rock and clay	
45	54	Soft rock and boulders	
54	160	Decomposed rock	

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

INTERVAL SHEET

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Well Repository No: W#: 5021  
C#: 222

Date rec'd: 1-31-78 Date Processed: 3-15-78

Sample Interval: from:0 to: 160'

PROPERTY: Stewart Vest

Number of samples: 16

COMPANY: Sydnor

Total Depth: 160'

COUNTY: Henrico (Hunton)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
0 - 10	-	-	-
10 - 20	-	-	-
20 - 30	-	-	-
30 - 40	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
110 - 120	-	-	-
120 - 130	-	-	-
130 - 140	-	-	-
140 - 150	-	-	-
150 - 160	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Unwashed only

OWNER: Stewart Vest  
DRILLER: Sydnor Hydrodynamics  
COUNTY: Henrico (Hunton)

W#: 5021  
C#: 222  
TOTAL DEPTH: 160'  
QUAD.: Glen Allen

GEOLOGIC LOG

Depth  
(feet)

- 0-10 Sand and gravel — pale orange; moderate clay; fine grained to granular, 60% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; few flakes of muscovite.
- 10-20 Granules and gravel — pale orange; moderate clay; some coarse grained sand; subangular to subrounded; moderately sorted; quartz; feldspar; few flakes of muscovite.
- 20-30 As above except moderate medium to coarse grained sand.
- 30-40 Gravel — pale orange; moderate clay; some granules; subangular to subrounded; moderately sorted; quartz; feldspar; few flakes of muscovite.
- 40-50 As above
- 50-60 Granite (rotten) — grayish orange; slightly clayey; equigranular; quartz; feldspar; few flakes of biotite; muscovite.
- 60-70 As above except some biotite.
- 70-80 As above.
- 80-90 As above except 2% biotite.
- 90-100 As above.
- 100-110 Granite (rotten) — dusky yellow; moderate clay; equigranular; quartz; feldspar; 2% biotite.
- 110-120 As above except 3% biotite.
- 120-130 As above except slightly clayey.
- 130-140 As above.
- 140-150 As above except 5% biotite.
- 150-160 As above.

Note: All samples are unwashed.

OWNER: Stewart Vest

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W#: 5021

Comment: Samples 0-50 appear to be very rotten granite, showing considerable decomposition of the feldspar fraction; therefore, grain size determinations may not be valid.

Logged by: Michael T. Currie

GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0-160	160	Petersburg Granite	Paleozoic (?)

VIRGINIA DIVISION OF MINERAL RESOURCES  
David A. Hubbard, Jr., Geologist  
November 30, 1978