

OWNER: Town of Round Hill, Well #2
DRILLER: Harry W. Lawson
COUNTY: Loudoun (Round Hill)

VDMR: 2008
WWCR: 604
TOTAL DEPTH: 240'

GEOLOGIC LOG

Depth in feet

CATOCTIN FORMATION (0-210')

10	Greenstone - tan, weathered and broken; aphanitic, microcrystalline and cryptocrystalline; feldspar, quartz, chlorite, biotite, epidote and sericite; iron-oxide staining and coating of grains; minor amounts of clay and silt
20	"
30	"
40	"
50	"
60	"
70	" less weathered; mottled gray and red-brown; no silt
80	" "
90	Greenstone - bluish-gray, aphanitic, microcrystalline and cryptocrystalline; feldspar, quartz, chlorite, biotite, epidote, sericite, amphiboles and vein quartz
100	"
110	" increased cryptocrystalline material, less epidote, chlorite, biotite and vein quartz
120	" "
130	Greenstone - gray, aphanitic, cryptocrystalline, very fine-grained; a few small quartz veins
140	"
150	"
160	"
170	" with trace of pyrite

OWNER: Town of Round Hill, Well #2

#2008

- 180 Greenstone - bluish-gray, aphanitic, microcrystalline and cryptocrystalline; quartz, feldspar, chlorite, biotite, epidote, sericite and trace of pyrite
- 190 " greenish-gray; much more epidote; vein quartz
- 200 "

SWIFT RUN FORMATION (210-240')

- 210 Phyllite - slightly purplish-pinkish-gray, aphanitic, cryptocrystalline, with a few microcrystalline fragments; slightly foliated, slickensides; mostly feldspar, sericite and quartz; minor epidote
- 220 "
- 230 "
- 240 "

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-210	Catoctin Formation	Cambrian (?)
210-240	Swift Run Formation (?)	Cambrian (?)

Virginia Division of Mineral Resources
 Robert G. Willson, Geologist
 November 28, 1967

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: Town of Round Hill Mailing Address: Round Hill, Va.

TENANT: Well #2 Mailing Address: _____

DRILLER: Harry W. Lawson Mailing Address: Route 4, Leesburg, Va.

WELL LOCATION: County Loudoun Approx. 800 ~~feet~~ miles west (direction) of _____
Round Hill reservoir and 5 ~~feet~~ miles northwest (direction) of /Round Hill

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

DATE STARTED: August 1967 DATE COMPLETED: August 1967

TYPE OF DRILL RIG USED: Air rotary TOTAL DEPTH 240 feet

WATER LEVEL: Stands _____ feet below surface OR
has NATURAL flow of 1 gallons per minute.

YIELD TEST: Method Air
Drawdown _____ feet
Rate 20 gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 10 inches from 0 to 17 feet
6 inches from 17 to 240 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 20 to 60 feet
*
from _____ to _____ feet
from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

CASE SIZE: 6 inches from 0 to 26 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method _____
Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No X

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

DRILL CUTTINGS SAVED: Yes X 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: No water past 60'; State Health Dept. asked for 100' of casing

