

OWNER: Kembill Corporation
DRILLER: Frank W. Martin Drilling Co., Inc.
COUNTY: Franklin (Scruggs)

VDMR: 2081
WWCR: 98
TOTAL DEPTH: 285'

GEOLOGIC LOG

Depth in feet

0-10	Saprolite - dark-reddish-brown; weathered and iron-oxide-stained, micaceous fragments of mica gneiss, mica, clay and quartz
10-20	"
20-30	"
30-40	"
40-51	"
51-60	Biotite-gneiss - dark-gray; medium- to fine-grained, foliated, micaceous; feldspar, quartz and biotite; minor amount of muscovite, and traces of amphibole and garnet (pink and orange)
60-70	"
70-80	"
80-90	"
90-100	"
100-110	"
110-120	"
120-130	"
130-140	"
140-150	"
150-160	"
160-170	"
170-180	"
180-190	"

OWNER: Kembill Corporation

#2081

190-200 Biotite-gneiss - dark-gray; medium- to fine-grained, foliated, micaceous; feldspar, quartz and biotite; minor amount of muscovite, and traces of amphibole and garnet (pink and orange)

200-210 "

210-220 "

220-230 "

230-240 "

240-250 "

250-260 "

260-270 Amphibole gneiss - black and white; medium- to coarse-grained, foliated to lineated; feldspar, quartz, and amphiboles; trace of biotite

270-285 . "

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-3'	Saprolite	
3-285'	Lynchburg Formation	Precambrian

Virginia Division of Mineral Resources
 Robert G. Willson, Geologist
 January 11, 1968

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

P. 3667
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Kembill Corporation Mailing Address: Roanoke, Va.

TENANT: Frank W. Martin Mailing Address: Roanoke, Va.

DRILLER: Frank W. Martin Drilling Co., Inc. Mailing Address: 5163 Starkey Rd. SW, Roanoke, Va.

WELL LOCATION: County Franklin Approx. 5 ^{feet} miles southeast (direction) of

St. Rt. 122, on Smith Mt. Lake and _____ feet miles _____ (direction) of _____

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

DATE STARTED: September 2, 1967 DATE COMPLETED: September 5, 1967

TYPE OF DRILL RIG USED: Air Drill TOTAL DEPTH 285 feet

WATER LEVEL: Stands 60 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Air Test

Drawdown _____ feet

Rate 30 gal. per min.

Duration 8 hrs., 0 min.

WATER ZONES: from 165 to 170 feet

from 260 to 265 feet

from _____ to _____ feet

WATER: Color Clear 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: 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: _____

HOLE SIZE: 10 inches from 0 to 51 feet

6 inches from 51 to 285 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 6 1/4 inches from 0 to 51 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

GROUTING: Method Poured

Material cement Depth 51 feet

PUMP: Type _____

Capacity _____ gal. per min

Depth of intake _____ feet

FURNISHED BY: Frank W. Martin Drilling Co., Inc. DATE: January 2, 1968

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	30	Dirt and clay	
30	285	Hard to medium-hard granite	

INTERVAL SHEET

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VDMR Well No: 2081

Date rec'd: 1/5/68

Sample Interval: from 0 to: 285'

PROP: Kembill Corporation

Number of samples: 28

COMP: F. W. Martin Drilling Co.

Total Depth: 285'

COUNTY: Franklin (Scruggs)

Oil or Gas: WaterX Exploratory:

From-To	From-To	From-To	From-To
0 - 10	-	-	-
10 - 20	-	-	-
20 - 30	-	-	-
30 - 40	-	-	-
40 - 51	-	-	-
51 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
110 - 120	-	-	-
120 - 130	-	-	-
130 - 140	-	-	-
140 - 150	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-
250 - 260	-	-	-
260 - 270	-	-	-
270 - 285	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples.