

OWNER: Bevins-Mulling Land Co. (Shawnee Subdivision)
DRILLER: Fred Jones Well Co.
COUNTY: Powhatan (Flat Rock)

VDMR: 2148
WWCR: 31
TOTAL DEPTH: 685'

GEOLOGIC LOG

Depth in
feet

0-10	Saprolite — reddish-brown; coarse-grained quartz, sericite, muscovite, and biotite fragments; minor amount of clay
10-20	"
20-30	No sample
30-40	Weathered granite — light-brown, fine-grained; quartz, feldspar, biotite and sericite; minor amounts of kaolinitic clay and limonite
40-50	"
50-60	"
60-70	"
70-80	" partially weathered
80-90	No sample
90-100	Granite — very light-gray, coarse-grained; quartz, feldspar, and biotite; partially weathered
100-110	Garnetiferous hornblende-biotite gneiss — dark-gray, fine-grained; quartz, feldspar hornblende, biotite, and trace of graphite
110-120	No sample
120-130	Garnetiferous biotite gneiss — medium-gray, equigranular
130-140	"
140-150	" schistose; trace of graphite (?)
150-160	"
160-170	" minor serpentine and pyrite
170-180	" minor chloritoid
180-190	"

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190-200	Garnetiferous biotite gneiss -- medium-gray, equagranular, minor epidote
200-210	" trace of pyrite
210-220	" minor epidote
220-230	"
230-240	"
240-250	" minor diabase
250-260	"
260-270	Garnetiferous biotite gneiss -- light-gray, equagranular; quartz, feldspar, brown-red biotite, pink garnet; minor pyrite, graphite, and muscovite
270-280	"
280-290	"
290-300	"
300-310	"
310-320	"
320-330	"
330-340	"
340-350	"
350-360	"
360-370	"
370-380	"
380-390	"
390-400	"
400-410	"
410-420	"
420-430	"

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430-440	Garnetiferous biotite gneiss -- light-gray, equagranular; quartz, feldspar, brown-red biotite, pink garnet; minor pyrite, graphite, and muscovite
440-450	"
450-460	"
460-685	No samples

GEOLOGIC SUMMARY

ROCK UNIT

AGE

Granite Gneiss

Early Paleozoic (?)

Virginia Division of Mineral Resources
Thomas M. Gathright, Geologist
February 29, 1968

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

Box 3667
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Bevins-Mulling Land Co. Mailing Address: P. O. Box 44, Powhatan, Va. 23139

TENANT: Shawnee Sub. (Lake Shawnee) Mailing Address: _____

DRILLER: Fred Jones Well Co. Mailing Address: RFD #1, Appomattox, Va.

WELL LOCATION: County Powhatan Approx. 2 ^{feet}~~feet~~ miles north (direction) of
Flat Rock and _____ ^{feet} miles at end (direction) of St. Rd. 723

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

DATE STARTED: Aug. 1967 DATE COMPLETED: Aug. 1967

TYPE OF DRILL RIG USED: Air Rotary TOTAL DEPTH 685 feet

WATER LEVEL: Stands 40 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Air

Drawdown _____ feet

Rate 25 gal. per min.

Duration _____ hrs., _____ min.

HOLE SIZE: 10 inches from 0 to 60 feet

8 inches from 60 to 110 feet

6 1/8 inches from 110 to 685 feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 6 1/4 inches from 0 to 110 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

WATER ZONES: from 150 to 175 feet

from 348 to 400 feet

from 608 to 625 feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

GROUTING: Method _____

Material _____ Depth _____ feet

PUMP: Type _____

Capacity 25 gal. per min

Depth of intake _____ feet

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: _____

INTERVAL SHEET

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VDMR Well No: 2148

Date rec'd: 2/27/68

Sample Interval: from 0 to: 460'

PROP: Bevins-Mulling Land Co.
(Shawnee Subdivision)

Number of samples: 43

COMP: F. Jones Well Co.

Total Depth: 685'

COUNTY: Powhatan (Flat Rock)

Oil or Gas: Water: XExploratory:

From-To	From-To	From-To	From-To
0 - 10	300 - 310	-	-
10 - 20	310 - 320	-	-
-	320 - 330	-	-
30 - 40	330 - 340	-	-
40 - 50	340 - 350	-	-
50 - 60	350 - 360	-	-
60 - 70	360 - 370	-	-
70 - 80	370 - 380	-	-
-	380 - 390	-	-
90 - 100	390 - 400	-	-
100 - 110	400 - 410	-	-
-	410 - 420	-	-
120 - 130	420 - 430	-	-
130 - 140	430 - 440	-	-
140 - 150	440 - 450	-	-
150 - 160	450 - 460	-	-
160 - 170	No sample	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-
250 - 260	-	-	-
260 - 270	-	-	-
270 - 280	-	-	-
280 - 290	-	-	-
290 - 300	-	-	-