

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS: B 3667 Charlottesville, VA 22903
DIVISION OF MINERAL RESOURCES
JAMES L. CALVER, COMMISSIONER
OFFICE ADDRESS: McCormick Road Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Ferrum Veneer Corporation, Well #3 Mailing Address: Ferrum, Virginia 24088

TENANT: Mailing Address:

DRILLER: Frank W. Martin Drilling Co., Inc. Mailing Address: 5163 Starkey Rd., S.W. Roanoke, Virginia 24014

WELL LOCATION: County Franklin Approx. 300 feet rear (West) (direction) of plant in Ferrum 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: August 30, 1968 DATE COMPLETED: September 2, 1968

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 265 feet

WATER LEVEL: Stands 7 feet below surface OR has NATURAL flow of gallons per minute.

YIELD TEST: Method pump Drawdown 87 feet Rate 165 gal. per min. Duration 48 hrs., 0 min.

HOLE SIZE: 10 inches from 0 to 62 feet 6 inches from 62 to 265 feet

WATER ZONES: from 190 to 230 feet from to feet from to feet

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

WATER: Color Clear Taste Good Odor Temp. °F

CASE SIZE: 6 inches from 0 to 62 feet inches from to feet inches from to feet

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

GROUTING: Method poured Material cement Depth 62 feet

WATER ANALYSIS AVAILABLE: Yes No X

PUMP: Type line shaft turbine Capacity 165 gal. per min Depth of intake 210 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:

COMMONWEALTH OF VIRGINIA

FURNISHED BY: Frank W. Martin Drilling Co., Inc. DATE: September 12, 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	40	Dirt	
40	60	Rock - soft and broken	
60	265	Rock	

(Use additional forms if necessary)

INTERVAL SHEET

Page 1 of 1

WWCR: 114
VDMR Well No: 2319

Date rec'd: 11/20/68

Sample Interval: from 0 to: 260'

PROP: Ferrum Veneer Corp., Well #3

Number of samples: 26

COMP: F. Martin Drilling Co.

Total Depth: 265'

COUNTY: Franklin (Ferrum)

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	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-
250 - 260	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples.

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DRILLER: Frank W. Martin Drilling Co., Inc.
COUNTY: Franklin (Ferrum)

VDMR: 2319
WWCR: 114
TOTAL DEPTH: 265'

GEOLOGIC LOG

Depth
in feet

0-10	Saprolite — tan to red-brown, weathered and iron-oxide stained, fine-grained, micaceous sandy loam; a few pebbles of vein quartz, angular, poorly sorted; quartz, mica feldspar and clay
10-20	"
20-30	"
30-40	Biotite-muscovite gneiss — gray, fine-grained, foliated; very micaceous, schistose; quartz, feldspar, biotite and muscovite; trace of pyrite and a few fragments of mica schist
40-50	"
50-60	"
60-70	"
70-80	"
80-90	"
90-100	"
100-110	" with a few sheared, slickensided fragments
110-120	" "
120-130	"
130-140	" with a minor amount of amphiboles
140-150	Biotite-amphibole gneiss — light greenish-gray, fine-grained, foliated; very micaceous, schistose; quartz feldspar, amphiboles, and biotite, with minor amount of muscovite; a few fragments of mica-amphibole schist

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#2319

150-160	Biotite-amphibole gneiss — light greenish-gray, fine-grained, foliated; very micaceous, schistose; quartz feldspar, amphiboles, and biotite, with minor amount of muscovite; a few fragments of mica-amphibole schist
160-170	"
170-180	" decrease in amount of amphibole, increase in muscovite
180-190	"
190-200	Mica schist — light greenish-gray, very fine-grained, foliated, micaceous; a few slickensided fragments; muscovite, quartz, biotite, feldspar and amphiboles; 30 to 40 percent of sample is black, calcareous quartzite
200-210	Quartzite — very dark-gray to black, aphanitic; quartz, with minor amounts of calcite, plagioclase and epidote (?); traces of pyrite and vein quartz; minor amount of light greenish-gray mica schist
210-220	" trace of schist
220-230	Mica schist — light greenish-gray, very fine-grained, foliated, micaceous; muscovite, quartz, biotite, feldspar, and amphiboles, with trace of biotite schist
230-240	Biotite schist — black, very fine-grained, foliated, micaceous; biotite and quartz, with minor amounts of feldspar, calcite and muscovite; minor amount of light-gray mica schist
240-250	"
250-260	"
260-265	No sample

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#2319

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-30'	Saprolite	—
30-260'	Lynchburg Formation	Precambrian
260-265'	No sample	—

Virginia Division of Mineral Resources
Robert G. Willson, Geologist
November 22, 1968