

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B-3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

OWNER: Vulcan Materials Co. Mailing Address: Manassas, Va.

TENANT: _____ Mailing Address: _____

DRILLER: Leazer Pump & Well Co, Inc. Mailing Address: Remington, Va.

WELL LOCATION: County Prince William Approx. 1.2 miles west (direction) of

Intersection 661/674 and 750 feet north (direction) of St. Rd. 674

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

DATE STARTED: March 20, 1972 DATE COMPLETED: March 22, 1972

TYPE OF DRILL RIG USED: Rotary Air Drill TOTAL DEPTH 310 feet

WATER LEVEL: Stands 37 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Air pumped

Drawdown 273 feet

Rate 100-120 gal. per min.

Duration 4 hrs., 0 min.
81 83

WATER ZONES: from 147 to 148 feet

242 245

from 275 to 278 feet

from 296 to 298 feet

WATER: Color clear Taste none

Odor none Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry x Other _____

WATER ANALYSIS AVAILABLE: Yes _____ No x

DRILL CUTTINGS SAVED: Yes 31 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: 8 3/4 inches from 0 to 23 feet

6 inches from 23 to 310 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 23 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

GROUTING: Method Natural

Material _____ Depth _____ feet

PUMP: Type _____

Capacity _____ gal. per min

Depth of intake _____ feet

FURNISHED BY: Harold E. Leazer

DATE: 4/3/72

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	10	Overburden and shale	
10	50	Shale, mostly blue	
50	70	Shale, blue & red	
70	80	Shale (baked?, feldspar?)	
80	90	Baked shale?	
90	100	Vari-colored shale	
100	140	Shale, mostly red	
140	150	Shale, green; some rock (intrusive?)	
150	180	Hard baked shale - various colors	
180	250	Shale and siltstone (?) - mostly red	
250	310	Mostly red shale	
TOTAL DEPTH 310			

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

INTERVAL SHEET

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C 338
 Well Repository No: 3509

Date rec'd: 4-14-72 Date Processed: 4-14-72

Sample Interval: from 0 to: 310'

PROPERTY: Vulcan Materials Co.

Number of samples: 31

COMPANY: Leazer Pump & Well Co.

Total Depth: 310'

COUNTY: Prince William (Manassas)

Oil or Gas: Water:* Exploratory:

From-To	From-To	From-To	From-To
0 - 10	250 - 60	-	-
10 - 20	260 - 70	-	-
20 - 30	270 - 80	-	-
30 - 40	280 - 90	-	-
40 - 50	290 - 300	-	-
50 - 60	300 - 310	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 100	-	-	-
100 - 10	-	-	-
110 - 20	-	-	-
120 - 30	-	-	-
130 - 40	-	-	-
140 - 50	-	-	-
150 - 60	-	-	-
160 - 70	-	-	-
170 - 80	-	-	-
180 - 90	-	-	-
190 - 200	-	-	-
200 - 10	-	-	-
210 - 20	-	-	-
220 - 30	-	-	-
230 - 40	-	-	-
240 - 50	-	-	-

All intervals have both washed and unwashed samples

OWNER: Vulcan Materials Co.
DRILLER: Leazer Pump & Well Co., Inc.
COUNTY: Prince William (Manassas)

W# 3509
C# 338
T.D. 310'

GEOLOGIC LOG

Depth
(in feet)

0-10	Siltstone - maroon-red to greenish-gray; fine grained, massive, calcareous; some calcite veins and a few light-green and brown laminations
10-20	"
20-30	"
30-40	"
40-50	"
50-60	Siltstone - light tan, light-to dark-green and maroon-red; fine to medium grained, massive; with calcite, quartz grains, feldspars and traces of pyrite and magnetite
60-70	"
70-80	"
80-90	"
90-100	"
100-110	"
110-120	"
120-130	"
130-140	"
140-150	" increase in magnetite
150-160	"
160-170	"
170-180	" with some vuggs
180-190	"
190-200	Siltstone - maroon-red, with some dark-green fragments; fine grained, massive; minor amount of calcite

OWNER: Vulcan Materials Co. - 2 -

W# 3509

C# 338

200-210	Siltstone - maroon-red, with some dark-green fragments; fine grained, massive; minor amount of calcite
210-220	"
220-230	"
230-240	"
240-250	" with a few vuggy fragments
250-260	"
260-270	" with a few vuggy fragments
270-280	"
280-290	"
290-300	"
300-310	Siltstone - maroon-red, with some dark-green fragments; fine grained, massive; minor amount of calcite

GEOLOGIC SUMMARY

<u>Thickness (ft)</u>	<u>Rock Unit</u>	<u>Age</u>
0-310	Newark Group	Triassic

Virginia Division of Mineral Resources
E. B. Nuckols III, Geologist
June 7, 1972