

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W #2348
C #143

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: Fauquier County Public Schools Mailing Address: P. O. Box 301
Warrenton, Virginia 22186

TENANT: G. W. Coleman El. Sch., Well #4 Mailing Address: Marshall, Virginia
Valley Drilling Corp.

DRILLER: H. L. Singhas, President Mailing Address: Middleburg, VA 22117

WELL LOCATION: County Fauquier Approx. 900 ~~x miles~~ ^{feet} west (direction) of
St. Road 709 and 1/4 ~~x miles~~ ^{x feet} north (direction) of St. Rt. 55

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

DATE STARTED: Sept. 17, 1968 DATE COMPLETED: Sept. 27, 1968

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 247 feet

WATER LEVEL: Stands 65 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method air-lift
Drawdown 165 feet
Rate 60 gal. per min.
Duration 25 hrs., 0 min.

HOLE SIZE: 14 inches from 0 to 53 feet
6 inches from 53 to 247 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 200 to 201 feet
from 210 to 211 feet
from 230 to 231 feet

SCREEN SIZE: _____ inches from _____ to _____ feet
None used:
_____ inches from _____ to _____ feet

WATER: Color Clear Taste Good
Odor None Temp. 56 °F

CASE SIZE: 6" inside diameter galvanized
_____ inches from +1 to 54 feet
weighing 19 1/4 lb. per ft.
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method pressure
Material cement Depth 53 feet

WATER ANALYSIS AVAILABLE: Yes No _____

PUMP: Type _____
Capacity _____ gal. per min
Depth of intake 230 feet

DRILL CUTTINGS SAVED: Yes 25 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: _____

LOG

Valley Drilling Corp.

FURNISHED BY: H. L. Singhas, Pres.

DATE: Nov. 4, 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	20	Topsoil, clay	
20	200	Solid rock - greenish blue	
200	230	Dark green granite	Water bearing. Crevices encountered @ 200' (3 gpm), 210' (17 gpm) and 230' (45 gpm).
230	247	Greenish blue-rock	

INTERVAL SHEET

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C #143

VDMR Well No: 2348

Date rec'd: 12/17/68

Sample Interval: from 0 to: 247'

PROP: Fauquier County Public Schools
G. W. Coleman El. Sch., Well #4

Number of samples: 25

COMP: Valley Drilling Corporation

Total Depth: 247'

COUNTY: Fauquier (Marshall)

Oil or Gas: Water: X 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 - 247	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Unwashed samples only, not enough to split.

OWNER: Fauquier County Public Schools
G. W. Coleman El. Sch., Well #4
DRILLER: Valley Drilling Corporation
COUNTY: Fauquier (Marshall)

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TOTAL DEPTH: 247'

GEOLOGIC LOG

Depth
in feet

SAPROLITE (0-20')

0-10	Saprolite — tan, weathered and iron-oxide stained; fragments of quartz, mica, feldspar and clay
10-20	"

MARSHALL FORMATION (20-247')

20-30	Granite gneiss — gray to light gray; fine to medium grained, crystalline, granular, foliated and sheared; feldspar and quartz, with minor amount of biotite and traces of garnet and magnetite
30-40	"
40-50	"
50-60	"
60-70	"
70-80	"
80-90	"
90-100	"
100-110	"
110-120	"
120-130	"
130-140	"
140-150	"

OWNER: Fauquier County Public Schools
G. W. Coleman El. Sch., Well #4

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150-160	Granite gneiss — gray to light gray; fine to medium grained, crystalline, granular, foliated and sheared; feldspar and quartz, with minor amount of biotite and traces of garnet and magnetite
160-170	"
170-180	"
180-190	"
190-200	"
200-210	"
210-220	"
220-230	" with increase in amount of biotite; traces of amphiboles, epidote and pyrite
230-240	"
240-247	"

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-20'	Saprolite	—
20-247'	Marshall Formation	Precambrian

Virginia Division of Mineral Resources
Robert G. Willson, Geologist
December 20, 1968