

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2422
C- 310

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: Manassas Sanitary District Mailing Address: Manassas, Virginia

TENANT: Prince William County Mailing Address: _____

DRILLER: Leazer Pump & Well Co., Inc. Mailing Address: Box 275-Remington, VA 22734

WELL LOCATION: County Prince William Approx. 1 ~~xxxx~~ miles east (direction) of
Interstate 66 on Rt. 234 and _____ feet near (direction) of Sinclair School

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

DATE STARTED: 12/6/68 DATE COMPLETED: January 9, 1969

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 555 feet

WATER LEVEL: Stands 90 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method air lift
Drawdown 292 feet
Rate 300 gal. per min.
Duration 24 hrs., 0 min.

HOLE SIZE: 8 inches from 0 to 402 feet
6 3/4 inches from 402 to 555 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 150 to 160 feet
180 to 190
from 250 to 260 feet
340 to 350
from 387 to 397 feet

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

WATER: Color clear Taste good
Odor none Temp. ? °F

CASE SIZE: 8 inches from 0 to 100 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method Pumped from bottom up
14 yds. of cement
Material & water _____ Depth 100 feet

WATER ANALYSIS AVAILABLE: Yes * No _____

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

DRILL CUTTINGS SAVED: Yes 56 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: * Hardness 21 gpg (359 ppm)
pH 8.0
Iron 0.3

LOG

FURNISHED BY: Leazer Pump & Well Co., Inc. DATE: 1/9/69

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	3	Soil loam	
3	19	Red slate	
19	20	Blue rock	
20	52	Red slate	
52	60	Greenish-blue slate	
60	70	Gray slate	
70	100	Red sandstone	
100	110	Red and blue rock	
110	130	Gray and blue slate	
130	150	Red slate	
150	160	Gray and blue slate	20 gpm @ 150-160'
160	170	Gray slate	5 " " 180-190'
170	555	Red slate	80 " " 250-260'
			180 " " 340-350'
			45 " " 387-397'

(Use additional forms if necessary)

VIRGINIA DIVISION OF MINERAL RESOURCES
INTERVAL SHEET

Page 1 of 1

C- 310
Well Repository No: W-2422

Date rec'd: 1/28/69

Sample Interval: from 0 to: 555'

PROP: Manassas Sanitary Dist.

Number of samples: 56

COMP: Leazer Pump & Well Co.

Total Depth: 555'

COUNTY: Prince William (Manassas)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
0 - 10	300 - 310	-	-
10 - 20	310 - 320	-	-
20 - 30	320 - 330	-	-
30 - 40	330 - 340	-	-
40 - 50	340 - 350	-	-
50 - 60	350 - 360	-	-
60 - 70	360 - 370	-	-
70 - 80	370 - 380	-	-
80 - 90	380 - 390	-	-
90 - 100	390 - 400	-	-
100 - 110	400 - 410	-	-
110 - 120	410 - 420	-	-
120 - 130	420 - 430	-	-
130 - 140	430 - 440	-	-
140 - 150	440 - 450	-	-
150 - 160	450 - 460	-	-
160 - 170	460 - 470	-	-
170 - 180	470 - 480	-	-
180 - 190	480 - 490	-	-
190 - 200	490 - 500	-	-
200 - 210	500 - 510	-	-
210 - 220	510 - 520	-	-
220 - 230	520 - 530	-	-
230 - 240	530 - 540	-	-
240 - 250	540 - 550	-	-
250 - 260	550 - 555	-	-
260 - 270	-	-	-
270 - 280	-	-	-
280 - 290	-	-	-
290 - 300	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Manassas Sanitary District
DRILLER: Leazer Pump and Well Co., Inc.
COUNTY: Prince William (Manassas)

W-2422
C- 310
TOTAL DEPTH - 555'

GEOLOGIC LOG

Depth
in feet

0-10	Siltstone — red-brown; fine grained, slightly sandy, very iron-oxide stained; slightly calcareous, poorly fissile; (X-ray analysis: quartz and feldspar, with minor amounts of calcite, sericite and hematite; traces of illite and clay)
10-20	"
20-30	"
30-40	"
40-50	"
50-60	Shale — blue-gray; very fine grained, calcareous to very calcareous, fissile; slightly micaceous
60-70	"
70-80	Siltstone — red-brown to purple-brown; fine grained, slightly sandy, very iron-oxide stained, slightly calcareous, poorly fissile
80-90	"
90-100	"
100-110	" with minor amount of blue-gray shale
110-120	Shale — blue-gray, very fine grained, calcareous, fissile; slightly micaceous
120-130	Siltstone — dark red-brown; fine grained, slightly sandy, slightly calcareous, poorly fissile; very iron-oxide stained
130-140	"
140-150	Shale — blue-gray; very fine grained, calcareous, fissile; slightly micaceous

OWNER: Manassas Sanitary District

W-2422

150-160	Siltstone — red-brown to purple-brown; fine grained, slightly sandy, slightly calcareous, to calcareous, poorly fissile, very iron-oxide stained
160-170	"
170-180	"
180-190	"
190-200	"
200-210	"
210-220	"
220-230	" with minor amounts of very fine grained, well sorted, red-brown, arkosic sandstone
230-240	"
240-250	"
250-260	"
260-270	"
270-280	"
280-290	"
290-300	"
300-310	"
310-320	"
320-330	"
330-340	"
340-350	"
350-360	"

OWNER: Manassas Sanitary District

W-2422

360-370	Siltstone — red-brown to purple-brown; fine grained, slightly sandy, slightly calcareous to calcareous, poorly fissile; very iron-oxide stained
370-380	"
380-390	"
390-400	"
400-410	"
410-420	"
420-430	"
430-440	"
440-450	"
450-460	"
460-470	"
470-480	"
480-490	"
490-500	"
500-510	"
510-520	"
520-530	"
530-540	"
540-550	"
550-555	"

GEOLOGIC SUMMARY

Rock Unit

Age

Newark Group

Late Triassic