

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2678  
C-210

MAILING ADDRESS:  
Box 3667  
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES  
JAMES L. CALVER, COMMISSIONER  
WATER WELL COMPLETION REPORT

OFFICE ADDRESS:  
McCormick Road  
Charlottesville, Virginia

OWNER: Zuni Presbyterian School Mailing Address: Zuni, Virginia

TENANT: \_\_\_\_\_ Mailing Address: \_\_\_\_\_

DRILLER: R. L. Magette Company Mailing Address: Smithfield, Virginia

WELL LOCATION: County Isle of Wight Approx. \_\_\_\_\_ feet \_\_\_\_\_ miles \_\_\_\_\_ (direction) of \_\_\_\_\_  
\_\_\_\_\_ 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: July 19, 1969 DATE COMPLETED: August 12, 1969

TYPE OF DRILL RIG USED: \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_ feet

WATER LEVEL: Stands 120 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method \_\_\_\_\_  
Drawdown 31 feet  
Rate 150 gal. per min.  
Duration \_\_\_\_\_ hrs., \_\_\_\_\_ min.

HOLE SIZE: 24 inches from 0 to 50 feet  
18 inches from 50 to 418 feet  
30 inches from 418 to 500 feet  
SCREEN SIZE: 8 inches from 418 to 434 feet

WATER ZONES: from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
CASE SIZE: 8 inches from 434 to 500 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_  
Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

GROUTING: Method \_\_\_\_\_  
Material \_\_\_\_\_ Depth \_\_\_\_\_ feet

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

PUMP: Type \_\_\_\_\_  
Capacity \_\_\_\_\_ gal per min  
Depth of intake 151 feet

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No \_\_\_\_\_

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

FURNISHED BY: R. L. Magette

DATE: \_\_\_\_\_

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	25	Gray and yellow sand with gravel	
25	68	Blue clay and shell	
68	140	Coarse shell and blue clay	
140	160	Blue gray clay	
160	180	Coarse shell and blue clay	
180	240	Black sand	
240	270	Black sand with stringers of clay	
270	500	Coarse sand with stringers of clay	

(Use additional forms if necessary)

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

INTERVAL SHEET

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C-210  
Well Repository No.: W-2678

Date rec'd: 10/01/69 Date Processed:

Sample Interval: from 20 to: 500

PROPERTY: Zuni Presbyterian School

Number of samples: 25

COMPANY: R. L. Magette Drilling Company

Total Depth: 500'

COUNTY: Isle of Wight

Oil or Gas: Water: x Exploratory:

From-To	From-To	From-To	From-To	From-To
-	-	-	-	-
20-	-	-	-	-
40-	-	-	-	-
60-	-	-	-	-
80-	-	-	-	-
100-	-	-	-	-
20-	-	-	-	-
40-	-	-	-	-
60-	-	-	-	-
80-	-	-	-	-
200-	-	-	-	-
20-	-	-	-	-
40-	-	-	-	-
60-	-	-	-	-
80-	-	-	-	-
300-	-	-	-	-
20-	-	-	-	-
40-	-	-	-	-
60-	-	-	-	-
80-	-	-	-	-
400-	-	-	-	-
20-	-	-	-	-
40-	-	-	-	-
60-	-	-	-	-
80-	-	-	-	-
500-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

All intervals have both washed and unwashed samples

Owner: Zuni Presbyterian School  
Driller: R. L. Magette Co.  
County: Isle of Wight

W# 2678  
C# 210  
Total depth: 500'  
Quad:

GEOLOGIC LOG

<u>Depth</u> <u>(feet)</u>	
0-20	No Sample.
20-40	Sand - grayish orange (10YR 7/4); sparse clay in white, orange clasts; medium to coarse grained; subangular; moderately sorted; quartz few wood bits.
40-60	Clay - greenish gray (5GY 6/1); moderate sand; medium to coarse; sub-angular, moderate sorting; quartz; abundant <u>Mulina Congesta</u> (Pelecypod); 5% shell fragments ( <u>Nuculana</u> ).
60-80	Sand - as above, with abundant clay.
80-100	Sand - as above except 20% shell fragments, larger than above; gastropod (Volutae (?)).
100-120	Sand - as above with 15-18 mm specimens - <u>Mulina</u> and <u>Cardita</u> .
120-140	Sand - as above with 15% shell fragments; smaller.
140-160	Sand - light olive gray (5Y 6/1) abundant clay in clasts orange brown and gray - sand as above; 5% shell fragments, muscovite mica.
160-180	Clay - light olive gray (5Y 6/1); abundant sand, medium to coarse, moderate sorting, subangular.
180-200	Sand - as 40-60 above; moderate clay, some in clasts; some sand clasts; few glauconite; some granules.
200-220	Sand - dark greenish gray (5GY 4/2); sparse clay, some in green to gray clasts; sparse silt, few sand clasts, medium to coarse, some very coarse; subangular; poor sorting; quartz; 10% glauconite; some shell fragments, forams ( <u>Nonion</u> ), shark tooth.
220-240	Sand - dark greenish gray (5GY 4/1) sparse clay in clasts - green and gray; sparse silt, sand 80%+ glauconite, quartz-medium to very coarse, poorly sorted; some shell fragments.

Depth  
(feet)

240-260 Sand - as above, except; 60% glauconite; some granules, both of glauconite and quartz.

260-280 Sand - as above.

280-300 Sand - light olive gray (5Y 6/1); as above, plus - moderate clay in clasts, and grains; 30% glauconite.

300-320 Sand - as above, except medium to very coarse; subangular; poor sorting; quartz; few glauconite.

320-340 Sand - as above with some granules; garnet chips; feldspar; 10% very fine glauconite.

340-360 Sand - as above with 35% granules.

360-380 Sand - as above with some pebbles; few pellets clay.

380-400 Sand - as above <sup>except</sup> ~~with~~ medium to very coarse.

400-420 Sand - as above with garnet chips; shell fragments.

420-440 \*Sand - as above with sparse amount clay in small clasts, Mulina and shell fragments.

440-460 Sand - as above except medium to coarse; moderately well sorted; garnet chips, well-worn mica fragments.

460-480 Sand as above.

480-500 Sand - as above with few clay pellets; some very coarse grains of sand, few shell fragments.

500 Sand - as above except medium to very coarse; some granules.

\*Note on bag states: Sample out of place ? phos-argillic of miocene shells.

Logged by: Joan K. Polzin  
April, 1980