

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-5917  
C-221

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: Tidewater Water Company - Capehart Mailing Address: P.O. Box 423

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

DRILLER: R. L. Magette Company Mailing Address: P.O. Box 149

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: \_\_\_\_\_ DATE COMPLETED: 12/27/78

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 420 feet

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

YIELD TEST: Method \_\_\_\_\_  
Drawdown \_\_\_\_\_ feet  
Rate 51 gal. per min.  
Duration \_\_\_\_\_ hrs., \_\_\_\_\_ min.

HOLE SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
SCREEN SIZE: 4 inches from 395 to 415 feet

WATER ZONES: from 390 to 420 feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
CASE SIZE: 4 inches from 0 to 400 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

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

GROUTING: Method \_\_\_\_\_  
Material \_\_\_\_\_ Depth 50 feet

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

PUMP: Type Submersible  
Capacity 51 gal per min  
Depth of intake 126 feet

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

DRILL CUTTINGS SAVED: Yes \_\_\_\_\_ 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: \_\_\_\_\_ 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	10	sand and clay	
10	20	shells and blue mud	
20	50	blue mud	
50	60	gray sand	
60	90	gray sand and shell	
90	120	shell and blue mud	
120	130	sand, shell and mud	
130	150	blue mud and shell	
150	270	blue mud	
270	320	blue mud and sand	
320	360	blue mud	
360	380	blue mud and sand	
380	390	blue mud and water sand	
390	420	water sand	

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

INTERVAL SHEET

Page 1 of 1 Well Repository No: C-221 W-5917  
Date rec'd: Date Processed: 5-5-80 Sample Interval: from 10 to: 42  
PROPERTY: Tidewater Water Co. Number of samples: 29  
COMPANY: Magette Total Depth: 420  
COUNTY: Isle of Wight (Carrollton) Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To
-	250-	-	-
10-	-	-	-
20-	270-	-	-
30-	-	-	-
40-	-	-	-
-	310-	-	-
60-	-	-	-
70-	330-	-	-
80-	-	-	-
90-	360-	-	-
-	370-	-	-
110-	380-	-	-
120-	390-	-	-
130-	400-	-	-
-	410-	-	-
-	420-	-	-
160-	-	-	-
170-	-	-	-
180-	-	-	-
190-	-	-	-
-	-	-	-
210-	-	-	-
220-	-	-	-
230-	-	-	-
-	-	-	-

Split-Wash

Owner: Tidewater Water Co.  
Driller: Magette  
County: Isle of Wight

W# 5917  
C# 221  
Total Depth: 420'  
Quad: Benns Church  
Elev: 22'

Depth  
(feet)

WELL LOG

0-10	No Sample.
10-20	Clay - yellowish brown (10YR 6/4); abundant sand; medium, subangular, well sorted.
20-40	Sand - light olive gray (5Y 5/2); abundant clay with brown stains on clay clasts; fine to coarse and very coarse at 30-40; subangular, well to moderately sorted; rare shell fragments.
40-50	Clay - light olive gray (5Y 5/2); abundant sand; fine to very coarse, subangular, moderate sorting; ochre stains; lignite; plant debris.
50-60	No Sample.
60-80	Sand - light olive gray (5Y 6/1); medium to granule, subangular, moderate sorting; moderate to sparse clay; 15% glauconite; 25-40% shell fragments (3 well defined but not identified pelecypods - Mytaloid, Cyrenaoid and one resembling "Parellelodon"); echinoderm spines.
80-100	Sand - light olive gray (5Y 6/1); sparse clay; medium to coarse; subangular, well sorted; 3% phosphate fragments; 10% shell fragments; bone fragments/teeth.
100-110	Sand, Shelly - light and dark gray; 50% shell fragments; moderate clay; medium to coarse with some very coarse, subangular, moderate sorting; rare phosphate fragments.
110-120	No Sample.
120-140	Sand, Shelly - light and dark gray; 50-60% shell fragments; moderate clay; fine to very coarse, subangular, moderate sorting; rare phosphate fragments.
140-160	No Samples.
160-170	Sand, Shelly - light and dark gray; 60% shell fragments; clam clasts; fine to coarse with some granules, subangular, moderate sorting.

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Depth  
(feet)

170-180 Sand - light olive gray (5Y 5/2); abundant clay; fine to coarse, subangular, moderate sorting; 40% shell fragments.

180-200 Sand, Shelly - light olive gray (5Y 5/2); 50% shell fragments; abundant clay; fine to coarse, subangular, moderate sorting.

200-210 No Sample.

210-220 Sand - light olive gray (5Y 4/2); abundant clay; fine to very coarse, subangular, moderate sorting; 3% phosphate fragments; 20% fine shell fragments.

220-240 Clay - light olive gray (5Y 6/1); abundant sand; fine to medium, subangular, well sorted; few phosphate fragments; 10% large shell fragments.

240-250 No Sample.

250-260 Clay, Shelly - light olive gray (5Y 6/1); 50% shell fragments; abundant sand; fine to medium with a few rounded pebbles, subangular, well sorted; few phosphate fragments; madreporite; manta-ray tooth; long bone fragments; foram - Textularia.

260-270 No Sample.

270-280 Clay - light olive gray (5Y 5/2); abundant sand; fine to medium, subangular, well sorted; few phosphate fragments; 10% shell fragments; forams - Robulus.

280-310 No Sample.

310-320 Clay - light olive gray (5Y 5/2); abundant sand; fine to medium, subangular, moderate sorting; 10%+ glauconite/phosphate fragments; 3% large shell fragments.

310-330 No Sample.

330-340 Sand - light olive gray (5Y 6/1); fine to very coarse, subangular, moderate sorting; 40% glauconite; 1% shell fragments; coral.

340-360 No Sample.

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Depth  
(feet)

- 360-370 Sand - light olive gray (5Y 6/1); fine to granule, subangular and rounded; poorly sorted; 40% glauconite; 1% shell fragments; foram - Robulus.
- 370-400 Sand, Glauconitic - light olive gray (5Y 5/1); 50% glauconite; very sparse clay at 370-380, sparse at 380-390; no clay at 390-400; medium to granule, subangular and rounded, poorly sorted; 1% shell fragments; tooth and fragments of teeth; feldspar and garnet at 380-390.
- 400-420 Sand - light olive gray (5Y 6/1); ~~medium to~~ medium to very coarse at 400-410 and fine to coarse at 410-420; subangular, moderate sorting; 20% glauconite to few grains; rare shell fragments; feldspar; garnet.

Logged by: J. K. Polzin  
October 22, 1980