

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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: William H. Edwards Mailing Address: Reids Ferry, Virginia

TENANT: _____ Mailing Address: _____

DRILLER: R. L. Magette Co. Mailing Address: Smithfield, VA

WELL LOCATION: County Nansemond Approx. _____ feet miles _____ (direction) of _____
at Reids Ferry 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: Nov. 7, 1969 DATE COMPLETED: Nov. 14, 1969

TYPE OF DRILL RIG USED: _____ TOTAL DEPTH 535 feet

WATER LEVEL: Stands 55 feet below surface OR
has NATURAL flow of _____ gallons per minute

YIELD TEST: Method _____
Drawdown 10 feet
Rate 50 gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 6 inches from 0 to 50 feet
4 inches from 50 to 535 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 525 to 535 feet
from _____ to _____ feet
from _____ to _____ feet

SCREEN SIZE: 4 inches from 525 to 535 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER: Color _____ Taste _____
Odor _____ Temp. _____ °F

CASE SIZE: 4 inches from 0 to 525 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method _____
Material cement Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____

PUMP: Type Submersible-Jacuzzi
Capacity _____ gal. per min.
Depth of intake 105 feet

DRILL CUTTINGS SAVED: Yes 27 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: _____

W-2893
C-178

LOG

FURNISHED BY: R. L. Magette Co. DATE: Nov. 20, 1969

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	Top soil and sandy clay	
20	40	Clay and shell	
40	60	Fine sand	
60	80	Shell and sand	
80	100	Shell and sand	
100	120	Shell and sand	
120	140	Clay, shell and fine sand	
140	160	Clay, shell and fine sand	
160	180	Clay, shell and fine sand	
180	200	Clay and sand	
200	220	Clay, sand and some shell	
220	240	Clay, sand and some shell	
240	260	Clay, sand and some shell	
260	280	Sand and shell	
280	300	Sand and shell	
300	320	Sand and shell	
320	340	Sand, shell and clay	
340	360	Shell and sand	
360	380	Shell and fine sand	
380	400	Shell and fine sand	
400	420	Black sand, some shell and some clay	
420	440	Black sand, shell and some clay	
440	460	Black sand	
460	480	Fine sand	
480	500	Fine sand and clay	
500	520	Clay and sand	
520	535	Water sands	

(Use additional forms if necessary)

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

INTERVAL SHEET

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Well Repository No.: C-178
 W-2693

Date rec'd: 11-20-69 Date Processed:

Sample Interval: from 0 to: 535

PROPERTY: William H. Edwards

Number of samples: 27

COMPANY: R. L. Magette Co.

Total Depth: 535'

COUNTY: Nansemond

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To	From-To
0-20	-	-	-	-
20-40	-	-	-	-
40-60	-	-	-	-
60-80	-	-	-	-
80-100	-	-	-	-
100-120	-	-	-	-
120-140	-	-	-	-
140-160	-	-	-	-
160-180	-	-	-	-
180-200	-	-	-	-
200-220	-	-	-	-
220-240	-	-	-	-
240-260	-	-	-	-
260-280	-	-	-	-
280-300	-	-	-	-
300-320	-	-	-	-
320-340	-	-	-	-
340-360	-	-	-	-
360-380	-	-	-	-
380-400	-	-	-	-
400-420	-	-	-	-
420-440	-	-	-	-
440-460	-	-	-	-
460-480	-	-	-	-
480-500	-	-	-	-
500-520	-	-	-	-
520-535	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Unwashed only, not enough to split

OWNER: Wm. H. Edwards
DRILLER: Magette
COUNTY: Nansemond

W # 2693
C # 178
TOTAL DEPTH - 535'
QUAD - Chuckatuck
ELEV - 23'

DEPTH
(FEET)

WELL LOG

0-40	Clay	- very pale orange (10YR 8/2); abundant sand; fine to very coarse, subrounded, poorly sorted; few glauconite at 20-40'.
40-60	Sand	- dusky yellow (5Y 6/4); fine to coarse, mostly medium, subrounded, moderately well sorted; 10% glauconite; 5% echinoderm spines; 3% fine shell fragments.
60-100	Sand	- dusky yellow (5Y 6/4); very sparse clay at 60-80'; fine to very coarse, subrounded, moderate to poorly sorted; 10% glauconite; 30% shell fragments; forams - <u>Textularia</u> ; tooth at 80-100'.
100-180	Sand	- light olive gray (5Y 5/2); abundant clay; fine to coarse, subrounded, poorly sorted; some glauconite; 10% shell fragments with 5% at 160-180'.
180-240	Sand	- dusky yellow (5Y 6/4); abundant clay; fine to coarse, subrounded, poorly sorted; sparse glauconite; 5% shell fragments.
240-300	Sand	- moderate yellow brown (10YR 5/4); sparse clay with moderate at 280-300'; fine to coarse with some very coarse, subangular, moderate sorting; very rare glauconite at 240-260', very fine at 260-280' and 3%+ very fine at 280-300'; rare shell fragments.
300-360	Sand	- light olive gray (5Y 5/2); moderate clay with sparse clay at 320-340'; fine to very coarse, subangular, moderate sorting; 3%+ very fine glauconite at 300-320' and 10% glauconite from 320 to 360'; 3% fine shell fragments; ochre; wood fragments; forams - <u>Nonion</u> , <u>Siphogenerina</u> , <u>Robulus</u> , <u>Textularia</u> ; tooth.

DEPTH
(FEET)

WELL LOG

- | | | |
|---------|----------------------|---|
| 360-420 | Sand | - light olive gray (5Y 5/2). |
| 420-460 | Sand,
Glaucanitic | - grayish green (10Y 4/2); 75-80% glauconite; sparse clay; fine to granule, subangular, poorly sorted; rare shell fragments. |
| 460-520 | Sand | - light olive brown (5Y 6/6); sparse clay; fine to very coarse, subangular, moderate sorting; 35% glauconite at 460-480' and 15% from 480-520'; feldspar; mica. |
| 520-540 | Sand | - light olive gray (5Y 6/1); very sparse clay; fine to very coarse, angular and subangular, moderately poor sorting; 5% glauconite; garnet; mica; feldspar. |

Logged by: J. K. Polzin
Feb., 1981