

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-3569
C-215

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 Virginia Properties Mailing Address: P.O. Box 1725
Warwick Station, Newport News, VA

TENANT: Carisbrooke Sub-Division #2 Mailing Address: P.O. Box 27186

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: Richmond, VA 23261

WELL LOCATION: County Isle of Wight Approx. 1 ~~xxxx~~ miles Southwest (direction) of
James River and 1 ~~xxxx~~ miles Southeast (direction) of Rt. 17-32

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

DATE STARTED: 1/20/72 DATE COMPLETED: 3/9/72

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 608 feet

WATER LEVEL: Stands 59'7" feet below surface OR
has NATURAL flow of gallons per minute.

YIELD TEST: Method Turbine
Drawdown 76'5" feet
Rate 402 gal. per min.
Duration 24 hrs., min.

HOLE SIZE: 21 inches from 0 to 60 feet

17-1/4 inches from 60 to 600 feet

9-7/8 inches from 600 to 608 feet

SCREEN SIZE: 6 inches from 542 to 582 feet

WATER ZONES: from 542 to 582 feet

from to feet

from to feet

CASE SIZE: 18 inches from 0 to 60 feet

8 +2 300

WATER: Color Clear Taste

6 inches from 300 to 542 feet

Odor Temp. °F

6 inches from 582 to 588 feet

WELL TO SUPPLY: (check one) Home

GROUTING: Method Pressure

Farm Town School

Material Cement & Water Depth 60 feet

Industry Other Subdivision

WATER ANALYSIS AVAILABLE: Yes XX No

Capacity gal. per min

DRILL CUTTINGS SAVED: (60)
Yes XX No

Depth of intake feet

(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: Electric Log Ran

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	Top Soil - Yellow Clay	
10	40	Mixed Gray - Blue Clay	
40	60	Gray Clay Sand Shells	
60	68	Coarse Sand - Streaks of Shells	
68	150	Blue Clay, Shells	
150	180	Green Clay - Some Shells	
180	210	Gray Clay, Streaks of Shell	
210	270	Gray Clay	
270	350	Green Clay, Fine Sand, Shells	
350	360	Green Clay	
360	377	Green Clay, Trace of Shells	
377	380	Gray Sand, Clay, Shells	
380	395	Gray, Black Sand Clay, Streaks of Shell	
395	400	Sand Clay Shells	
400	410	Gray Sand Clay, Shells	
410	420	Gray, Yellow Clay, Black Sand, Shells	
420	430	Gray, Yellow, Red, Green Clay and Shells	
430	442	Red, White Clay, Fine Sand	
442	450	White Sand Clay	
450	460	Sand - Some Clay	
460	470	Medium Gray Sand	
470	480	Sand - Clay Mixed	
480	490	Gray Sand	
490	510	Coarse to medium gray sand	
510	515	Coarse Sand	
515	530	Hard Gray Clay, Trace of Shells	
530	545	Hard Green Brown Gray Clay	
545	560	Coarse Gray Sand, Trace of Clay	
560	595	Coarse Gray Sand	
595	608	Green-White Sand Clay	

(Use additional forms if necessary)

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

INTERVAL SHEET

Page 1 of 1

C-215
Well Repository No: W-3569

Date rec'd: 3/20/72 Date Processed: 7/25/72 Sample Interval: from:0 to: 608

PROPERTY: Tidewater Va. Prop.
(Carisbrooke Subdiv.)

Number of samples: 60

COMPANY: Sydnor Hydrodynamics

Total Depth: 608'

COUNTY: Isle of Wight

Oil or Gas: Water:XExploratory:

From-To	From-To	From-To	From-To
0-10	250-260	500-510	-
10-20	260-270	510-520	-
20-30	270-280	520-530	-
30-40	280-290	530-540	-
40-50	290-300	540-550	-
50-60	300-310	550-560	-
60-70	310-320	560-570	-
70-80	320-330	570-580	-
80-90	330-340	-	-
90-100	340-350	590-600	-
100-110	350-360	600-608	-
110-120	360-370	-	-
120-130	370-380	-	-
130-140	380-390	-	-
140-150	390-400	-	-
150-160	400-410	-	-
160-170	410-420	-	-
170-180	420-430	-	-
180-190	430-440	-	-
190-200	440-450	-	-
200-210	450-460	-	-
210-220	460-470	-	-
220-230	470-480	-	-
230-240	480-490	-	-
240-250	490-500	-	-

All intervals have both washed and unwashed samples

Owner: Tidewater Va. Prop.
(Carisbrooke Subdiv.)
Driller: Sydnor
County: Isle of Wight

W# 3569
C# 215
Total Depth: 608'
Quad: Benns Church
Elev: 23'

Depth
(feet)

WELL LOG

0-10 Sand - dark yellow orange (10YR 6/6); sparse clay; medium, subangular, well sorted.

10-20 Sand - light olive gray (5Y 6/2); abundant clay; fine to coarse, subangular, moderate sorting; 1% shell fragments.

20-40 Clay - light olive gray (5Y 5/2); abundant sand; fine, subangular, well sorted, light brown and gray clasts; diatom at 30-40; fuschite.

40-50 Gravel, Shell - light and dark gray; 60% large shell fragments (orange); abundant sand; sparse clay; fine to granule, subangular, poor sorting; few glauconite; shell fragments - "spat," barnacles, 3 small gastropods, oysters.

50-60 Sand - light olive gray (5Y 6/1); abundant clay; fine to coarse, subangular, moderate sorting; few glauconite; 3% shell fragments; mica.

60-70 Gravel - light and dark brown; very fine to pebble, subangular, poor sorting; rare shell fragments.

70-90 Sand - light olive gray (5Y 6/1); abundant clay; very fine to very coarse, subangular, moderate sorting; 5-10% very fine glauconite; shell fragments - 20% at 70-80 and 3% at 80-90 - pecten, Nucula.

90-100 Sand - light olive gray (5Y 6/1); abundant clay; very fine to coarse, subangular, moderate sorting; 10% fine shell fragments; red granite fragment.

100-110 Sand - light olive gray (5Y 5/2); abundant clay; fine to coarse with some very fine, subangular, moderate sorting; 40% glauconite; 8% fine shell fragments - Mulinia; forams - Robulus, Nonion, Uvigerina; ostracods; diatoms.

110-120 Sand, Glauconitic - light and dark gray; 50% medium to coarse, dark green glauconite; fine to coarse with some very coarse, subangular, moderate sorting; 10% shell fragments; forams - Discorbis, Dentalium; echinoderm spines; ostracods.

Owner: Tidewater Va. Prop. -2- W# 3569
(Carisbrooke Subdiv.) C# 215

Depth
(feet)

- 120-140 Sand, Shelly - light and dark grey; 50% shell fragments - Mulinia, largely; moderate clay; medium, subangular, well sorted; 10% fine shell fragments.
- 140-200 Sand - light olive gray (5Y 5/1 - at 60-70 to 5/2); abundant clay; medium, fine from 160-200, subangular, well sorted; 5% glauconite - at 160-190, 10% very fine glauconite ~~and questionable~~ at 190-200; shell fragments - 20% at 140-150, 30% at 150-180, 5% at 180-190, 3% at 190-200 - Turritella; mica at 190-200.
- 200-270 Clay - light olive gray (5Y 6/1); abundant sand; fine, subangular, well sorted; ~~very rare shell fragments, if any~~ mica.
- 270-290 Sand - light olive gray (5Y 6/1); sparse clay; fine to coarse, subangular and broken fragments, moderate sorting; 8% phosphate fragments; 1-3% shell fragments; forams (at 280-290) - Dentalina, Robulus, Pyrulina; garnet.
- 290-320 Sand - dark olive brown (5Y 3/4); moderate clay with abundant at 310-320; fine to coarse, angular and subangular, moderate sorting; 8% phosphate fragments; 5% shell fragments; forams - Robulus, Cibicides; pyrite fragments.
- 320-340 Sand - light olive gray (5Y 6/1); moderate clay; fine to very coarse, subangular, poorly sorted; 8% phosphate fragments; 10-5% shell fragments; forams - Robulus.
- 340-350 Sand, Glauconitic - olive gray (5Y 4/1); 50% glauconite; abundant clay; fine to very coarse, subangular, poorly sorted; rare shell fragments; foram - Nodosaria.
- 350-360 Clay - olive gray (5Y 4/1); abundant sand; fine to granule, subangular and rounded, poor sorting; 25% glauconite; 5% shell fragments - Cancellaria - gastropod; forams.
- 360-370 Sand, Glauconitic - olive gray (5Y 3/2); 80% glauconite; abundant clay; (moderate sand); fine to granule, subangular and rounded, poorly sorted; 25% shell fragments - Dentalium; forams - Nodosaria, Dentalina, Pyrulina, Robulus; bone fragment.
- 370-400 Sand, Glauconitic - light and dark gray; 50% glauconite; sparse clay with moderate at 390-400; medium to very coarse, subangular, moderate sorting; rare shell fragments; forams; feldspar; garnet.

Owner: Tidewater Va. Prop.
(Carisbrooke Subdiv.)

-3-

W# 3569
C# 215

Depth
(feet)

- 400-420 Sand, Glauconitic - light and dark gray; 50% glauconite; abundant clay in clasts; medium to granule, angular to sub-angular, poor sorting; rare shell fragments; feldspar; garnet.
- 420-430 Gravel - light and dark gray; 50% glauconite; abundant clay in large flattened oval clasts; fine to granule, angular to sub-angular, poorly sorted; rare shell fragments; bone fragment; foram - Nodosaria; feldspar; garnet.
- 430-440 Sand - very pale brown (10YR 6/2); abundant clay; fine to coarse with some very coarse, angular, moderately well sorted; rare glauconite; feldspar.
- 440-520 Sand - very pale orange (10YR 8/2); highly variable grain sizes - medium to coarse at 440-450; fine to very coarse, mostly coarse at 450-470; very fine to granule, mostly coarse at 470-480; very coarse with some larger at 480-490; medium to very coarse at 490-500, and fine to very coarse at 500-510; angular and subangular, moderately well sorted until 480-490, then well and moderately at 490-520; rare glauconite; feldspar; mica and garnet sparse.
- 520-530 Sand - olive gray (5Y 4/1); abundant clay; very fine to granule, angular to round, poorly sorted; very rare glauconite; very rare shell fragments; mica.
- 530-540 Sand - light olive gray (5Y 5/2); abundant clay; fine to medium and granule, angular and rounded, poor sorting; rare glauconite; very rare shell fragments; feldspar; mica.
- 540-550 Sand - light olive gray (5Y 7/1); very fine to very coarse, subangular, moderately well; rare glauconite; feldspar; garnet.
- 550-560 Sand - light olive gray (5Y 7/1); very sparse clay; medium to granule, subangular, moderate sorting; rare glauconite; feldspar; garnet.
- 560-580 Sand - light olive gray (5Y 8/1); very fine to very coarse, angular and subangular, poor sorting; feldspar; garnet.
- 580-590 No Sample.
- 590-608 Sand - light olive gray (5Y 8/1); very fine to very coarse, angular and subangular, moderate sorting; rare glauconite; feldspar; garnet.

Logged by: J. K. Polzin
October 6/7, 1980