

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-3978  
C-358

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: Greenbriar Development Co., Inc. Mailing Address: Box 77, Horntown, VA

TENANT: Chincoteague Bay, "Trails End" #1 Mailing Address: \_\_\_\_\_

DRILLER: Delmar Drilling Co. Mailing Address: Bridgeville, Del. 19933

WELL LOCATION: County Accomack Approx. 5500 ~~feet~~ miles S.E. (direction) of  
Horntown, VA and 5000 ~~feet~~ miles S.W. (direction) of Horntown Landing

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

DATE STARTED: 7/13/73 DATE COMPLETED: 7/16/73 Well completed 8/6/73 Job completed

TYPE OF DRILL RIG USED: Failing 1500 TOTAL DEPTH 310' feet

WATER LEVEL: Stands 15' 6" feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method VTP Pump  
Drawdown 133' 10" feet  
Rate 30 gal. per min.  
Duration 22 hrs., \_\_\_\_\_ min.

HOLE SIZE: 8-3/4 inches from 0 to 310 feet  
10 inches from 0 to 170 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
SCREEN SIZE: 6 inches from 150 to 170 feet

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

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
CASE SIZE: 6 inches from 0 to 150 feet

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

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WELL TO SUPPLY: (check one) Home \_\_\_\_\_  
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_  
Test & Recreational \_\_\_\_\_  
Industry \_\_\_\_\_ Other Vehicle Dev.

GROUTING: Method Cement Pump  
Material Cement Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes XX No \_\_\_\_\_  
DRILL CUTTINGS SAVED: \* (58) Yes XX No \_\_\_\_\_

PUMP: Type None  
Capacity \_\_\_\_\_ gal per min  
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: Water analyses well forwarded by E. D'Appolonia, Consulting Engineers, Inc.  
10 Duff Road, Pittsburgh, Pennsylvania 15235

\* 4 others discarded (bags untied - empty)

Electric or gamma log.

(LOG OF WELL) OVER

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	1	Top Soil	
1	7	Fine to med. brown sand	
7	51	Fine-coarse tan sand w/10% gravel	
51	71	Fine-coarse sand w/50% gravel	
71	97	Blue clay w/fine sand	
97	109	Fine-med. gray sand w/29% clay	
109	127	Gray clay	
127	169	Fine-med. gray sand w/shell	
169	185	Fine-coarse gray sand w/shell	
185	201	Fine-med. gray sand w/clay	
201	216	Gray clay	
216	263	Fine-med. sand w/50% shell	
263	301	Fine-med. sand hard layers w/shell	
301	310	Fine sand w/clay and shell	

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

INTERVAL SHEET

C-358

Page 1 of 1

Well Repository No.: W-3978

Date rec'd: 9/27/73 Date Processed: 7/17/74

Sample Interval: from 0 to: 305'

PROPERTY: Greenbriar Dev. Co.

Number of samples: 57

COMPANY: Delmar Drilling Co.

Total Depth: 310'

COUNTY: Accomack (Horntown)

Oil or Gas: Water:XX Exploratory:

From-To	From-To	From-To	From-To	From-To
0-5	150-155	-	-	-
5-10	155-160	-	-	-
10-15	160-165	-	-	-
15-20	165-170	-	-	-
20-25	170-175	-	-	-
25-30	175-180	-	-	-
30-35	180-185	-	-	-
35-40	185-190	-	-	-
-	190-195	-	-	-
45-50	195-200	-	-	-
50-55	200-205	-	-	-
55-60	205-210	-	-	-
60-65	210-215	-	-	-
65-70	215-220	-	-	-
-	220-225	-	-	-
75-80	225-230	-	-	-
80-85	230-235	-	-	-
85-90	235-240	-	-	-
90-95	240-245	-	-	-
95-100	245-250	-	-	-
100-105	250-255	-	-	-
-	-	-	-	-
110-115	260-265	-	-	-
115-120	265-270	-	-	-
120-125	270-275	-	-	-
125-130	275-280	-	-	-
130-135	280-285	-	-	-
135-140	285-290	-	-	-
140-145	290-295	-	-	-
145-150	295-300	-	-	-
-	300-305	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Both washed and unwashed samples.

Owner: Greenbriar Dev.  
Driller: Delmar  
County: Accomack

W# 3978  
C# 358  
Total Depth: 305  
Quad:  
Elev:

Depth  
(feet)

WELL LOG

0-5	Sand - yellow brown (10YR 6/4); medium to granule, sub-rounded; moderate sorting; quartz; few fine black phosphatic nodules.
5-10	Sand - pale orange (10YR 7/2); medium to very coarse; rest as above.
10-15	Sand - yellow brown (10YR 6/4); rest as above.
15-20	Sand - pale orange (10YR 7/2); as above, except: medium to granule.
20-25	Sand - very pale orange (10YR 8/2); as above, except: 1% feldspar (microcline).
25-30	Sand - as above, except: sparse clay; fine to pebble; poor sorting; feldspar.
30-35	Sand - pinkish gray (5YR 8/1); as above, except: medium to granule; moderate sorting; feldspar; phosphatic chips.
35-40	Sand - as above.
40-45	No sample.
45-50	Sand - as above, except: fine to granule; 30% granules.
50-55	Sand - as above, except: 50% large granules.
55-60	Sand - as above, except: fine to granule; feldspar.
60-65	Sand - as above.
65-70	Sand - as above, except: medium to pebble; iron staining.
70-75	No sample.
75-80	Sand - moderate yellow brown (5Y 5/4); sparse clay clasts of gray; red-brown; medium to granule; few glauconite; poor sorting.
80-85	Sand - light olive gray (5Y 6/1); as above, except: moderate clay; medium to very coarse.

Depth  
(feet)

85-90 Sand - as above.

90-95 Sand - as above, except: some pebbles.

95-100 Sand - as above, except: abundant clay.

100-105 Sand - as above, except: very sparse clay; medium and coarse, sub-angular; well sorted.

105-110 No sample.

110-115 Sand - as above, except: sparse clay; medium to granule.

115-120 Clay - light olive gray (5Y 5/2); abundant clay; sparse sand as above.

120-125 Clay - as above, except: abundant clay clasts; moderate sand.

125-130 Sand - light olive gray (5Y 6/1); abundant clay, some in clasts; sand; medium and coarse; some very coarse; 7% shell fragment; mollusks; Nucula Proxima.

130-135 Sand - as above, except: moderate clay; 45% shell fragments - Ensis, Nucula Proxima, Balanus, Venicardia Altiasta; Chione; 5% glauconite.

135-140 Sand - as above.

140-145 Sand - as above, except: abundant clay; sand; fine to granule; 2% shell fragments.

145-150 Sand - as above, except: 35% shell fragments.

150-155 Sand - as above.

155-160 Sand - as above.

160-165 Sand - as above, except: 10% shell fragments.

165-170 Sand - as above.

170-175 Sand - as above, except: very fine to granule; 20% granules; poor sorting; 5% large iron-stained shell fragments.

175-180 Sand - as above, except: fine to granule; 7% shell bits.

180-185 Sand - as above, except: (5Y 5/1); sparse clay; medium to very coarse; some pebbles; 5% shell bits.

Depth  
(feet)

185-190	Sand - as above, except: rare shell fragments; pebbles.
190-195	Sand - as above, except: sparse glauconite.
195-200	Sand - as above.
200-205	Clay - as above, except: sparse sand.
205-210	Clay - as above.
210-215	Sand - as above, except: moderate clay; fine to medium; well sorted; some larger grains; some glauconite; 1% shell fragments.
215-220	Sand - as above, except: sparse clay; sparse sand; 90%+ fine shell fragments.
220-225	Sand - as above, except: 10% dark green glauconite; 50% fine shell fragments.
225-230	Sand - as above.
230-235	Sand - as above; 25% glauconite.
235-240	Sand - as above.
240-245	Sand - as above, except: coarse grained; very well sorted; 10% glauconite; 2% shell fragments.
245-250	Sand - as above.
250-255	Sand - as above.
255-260	No sample.
260-265	Sand - as above, except: coarse and very coarse sand; well sorted; 10% very fine shell fragments.
265-270	Sand - as above, except: 5% shell fragments.
270-275	Sand - as above, except: moderate clay; medium to very coarse; poor sorting; 10% shell fragments.
275-280	Shell hash - as above, except: 90% shell fragments - reworked.
280-285	Sand - as above, except: 10% shell fragments.

Owner: Greenbriar Dev.

-4-

W# 3978

Depth  
(feet)

285-290	Sand - as above, except: moderate clay; 5% glauconite; 20% shell fragments; echinoderm spines.
290-295	Sand - as above, except: mica - (muscovite).
295-300	Sand - as above, except: 50% shell fragments.
300-305	Sand - as above, except: medium to coarse; moderate sorting; 1% glauconite; 7% very fine shell fragments.

Logged by: J. K. Polzin  
May 21, 1980