

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

Box 3667
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Chesser Bros. Nursery Mailing Address: _____

TENANT: State Water Control Board Mailing Address: Richmond, VA

DRILLER: Delmarva Drilling Co. Mailing Address: Bridgeville, Del.

WELL LOCATION: County Accomack Approx. 0.4 ^{miles} West (direction) of
Assawoman by creek and _____ feet _____ miles SW (direction) of 679-692 junction

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

DATE STARTED: 9/12/77 DATE COMPLETED: 9/13/77

TYPE OF DRILL RIG USED: _____ TOTAL DEPTH 390 feet

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

YIELD TEST: Method Air HOLE SIZE: 4 inches from 0 to 390 feet
Drawdown _____ feet _____ inches from _____ to _____ feet
Rate 10 gal. per min. _____ inches from _____ to _____ feet
Duration 7 hrs., _____ min. SCREEN SIZE: 4 inches from 300 to 310 feet

WATER ZONES: from _____ to _____ feet _____ inches from _____ to _____ feet
from _____ to _____ feet _____ inches from _____ to _____ feet
from _____ to _____ feet CASE SIZE: 4 inches from 0 to 300 feet

WATER: Color _____ Taste _____ inches from _____ to _____ feet
Odor _____ Temp. _____ °F _____ inches from _____ to _____ feet

WELL TO SUPPLY: (check one) Home _____ GROUTING: Method _____
Farm _____ Town _____ School _____ Material Cement Depth _____ feet
Industry _____ Other _____ PUMP: Type _____

WATER ANALYSIS AVAILABLE: Yes _____ No _____ Capacity _____ gal. per min.
DRILL CUTTINGS SAVED: Yes XX No _____ Depth of intake 180 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: _____

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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	1	Top soil	
1	11	Fine to med. tan sand	
11	41	Fine to coarse white sand w/1% clay	
41	62	Blue clay	
62	79	Fine to med. gray sand w/1% clay	
79	106	Blue clay w/1% fine sand	
106	124	Fine to med. gray sand	
124	145	Fine to med. gray sand w/shell 1% and clay layer	
145	146	Hard shell	
146	148	Fine to med. sand w/shell & 1% clay	
148	192	Fine to coarse gray sand w/shell	
192	245	Shell (50%) and fine to med. gray sand	
245	261	Fine to med. gray sand w/shell & clay layer	
261	313	Fine to med. gray sand w/shell	
313	326	Fine to coarse gray sand w/shell	
326	343	Fine to med. gray sand w/shell	
343	382	Fine gray sand w/shell and clay layer	
382	388	Clay and shell	
388	390	Hard shell	

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

INTERVAL SHEET

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Well Repository No.: C-363
 W- 5460

Date rec'd: 12/18/78 Date Processed: 5/17/79

Sample Interval: from 0 to: 390'

PROPERTY: State Water Control Board
 Pilot hole (77-107C)

Number of samples: 39

COMPANY: Delmarva Drilling Co.

Total Depth: 390'

COUNTY: Accomack (Assawoman)

Oil or Gas: Water:XX Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10	300-310	-	-	-
10-20	310-320	-	-	-
20-30	320-330	-	-	-
30-40	330-340	-	-	-
40-50	340-350	-	-	-
50-60	350-360	-	-	-
60-70	360-370	-	-	-
70-80	370-380	-	-	-
80-90	380-390	-	-	-
<u>90-100</u>	-	-	-	-
100-110	-	-	-	-
110-120	-	-	-	-
120-130	-	-	-	-
130-140	-	-	-	-
140-150	-	-	-	-
150-160	-	-	-	-
160-170	-	-	-	-
170-180	-	-	-	-
180-190	-	-	-	-
<u>190-200</u>	-	-	-	-
200-210	-	-	-	-
210-220	-	-	-	-
220-230	-	-	-	-
230-240	-	-	-	-
240-250	-	-	-	-
250-260	-	-	-	-
260-270	-	-	-	-
270-280	-	-	-	-
280-290	-	-	-	-
<u>290-300</u>	-	-	-	-

Both washed and unwashed samples.

Owner: State Water Control Board
Driller: Delmarva Drilling
County: Accomack

W# 5460
C# 363
Total Depth: 230

Depth
(feet)

WELL LOG

0-10	Sand - yellowish gray (5Y 7/2) medium to granule, sub-angular; moderately sorted; quartz; 5% fine black phosphatic fragments.
10-20	Sand - as above, except: sparse clay.
20-30	Sand - as above, except: medium and coarse.
30-40	Sand - as above, except: sparse clay in sand clasts; sparse phosphatic fragments.
40-50	Sand, Clayey - light olive gray (5Y 5/1); abundant clay; abundant sand; medium to granule.
50-60	Sand, Clayey - as above.
60-70	Sand - as above, except: sparse clay in sand clasts; medium to very coarse; 10% fine phosphatic fragments.
70-80	Sand - as above, except: moderate clay.
80-90	Sand - as above.
90-100	Sand - as above.
100-110	Sand - as above, except: abundant sand clast with moderate clay; 5% phosphatic fragments.
110-120	Sand - as above, except: sparse clay; 1% glauconite.
120-130	Sand, Clayey - as above, except: moderate amount clay clasts - brown, tan, gray; 2% glauconite; 3% shell fragments.
130-140	Sand - as above, except: sparse clay.
140-150	Sand - as above, except: 7% shell fragments.
150-160	Sand - as above, except: medium to granule.
160-170	Sand - as above, except: sparse clay; medium to granule; poor sorting; 5% shell fragments.
170-180	Sand - as above, except: sparse sand clasts; moderate clay; 2% shell fragments.

Owner: State Water Control Board

W# 5460

Depth
(feet)

180-190 Sand - as above, except: medium to very coarse; moderate sorting; 1% shell fragments.

190-200 Sand - as above, except: 40% shell fragments; poor sorting.

200-210 Sand - as above.

210-220 Shell Hash - as above, except: 50% shell fragments.

220-230 Shell Hash - as above.

230-240 Shell Hash - as above.

240-250 Shell Hash - "salt and pepper" - moderate clay; fine to granule; 10% glauconite; 40% shell fragments.

250-260 Shell Hash - as above.

260-270 Sand - light olive gray (5Y 5/1); moderate clay; fine to granule; poor sorting; quartz; 7% glauconite; 10% shell fragments; echinoderm spines; chalcopyrite on quartz fragment.

270-280 Sand - as above.

280-290 Sand - as above.

290-300 Sand - as above, except: 5% glauconite; 7% fine shell fragments.

300-310 Sand - as above, except: 10% shell fragments.

310-320 Sand - as above, except: sparse glauconite; 20% shell fragments.

320-330 Sand - light olive gray (5Y 6/1); sparse clay; very fine to granule, moderate sorting; quartz; 1% glauconite; 1% shell fragments.

330-340 Sand - as above.

340-350 Sand - as above, except: no shell fragments.

350-360 Sand - as above, except: 20% shell fragments - Mulina; Turritella; Nucula proxima; Dentalium; Pecten; Terebra Grayi; Phacoides; barnacle ostrea.

Owner: State Water Control Board

W# 5460

Depth
(feet)

- 360-370 Shell Hash - as above, except: 50% shells; 20% pebbles; Anachis Milleri; Epitonium Calvertense; Uzita Zeta; C.Eborea.
- 370-380 Shell Hash - as above, except: more Turretellas, Dentalia, and Nuculana Acuta; several small gastropods.
- 380-390 Shell Hash - as above, except: moderate clay; A. Milleri; Uzitaz; and Turritella.

Logged by: J. K. Polzin
July 23, 1980