

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-4029
C-87

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: Maurice Motley (Tri-State Water Company) Mailing Address: Abingdon, Hayes P. O., Virginia

TENANT: Brays Estates Mailing Address: _____

DRILLER: Douglas Drilling Company, Incorporated Mailing Address: Box 498, Warsaw, Virginia 22572

WELL LOCATION: County Gloucester Approx. 0.2 ^{feet}/_{miles} west (direction) of
intersection of Routes 17 and 1216 and 300 ^{feet}/_{miles} south (direction) of Route 1216

(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: August 22, 1972

TYPE OF DRILL RIG USED: rotary TOTAL DEPTH 122 feet

WATER LEVEL: Stands 38 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method test pump

Drawdown 52 feet

Rate 8 gal. per min.

Duration 4 hrs., _____ min.

HOLE SIZE: 11 inches from 0 to 70 feet

7 7/8 inches from 70 to 95 feet

7 7/8 inches from 116 to 122 feet

SCREEN SIZE: 2 1/2 inches from 95 to 116 feet

_____ inches from 116 to 122 feet

_____ inches from _____ to _____ feet

CASE SIZE: 8 inches from 0 to 71 feet

4 inches from 0 to 95 feet

_____ inches from _____ to _____ feet

WATER ZONES: from 95 to 116 feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other Subdivision but

WATER ANALYSIS AVAILABLE: Yes _____ No x sample taken and available

DRILL CUTTINGS SAVED: Yes 28* 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: * These samples discarded because set of 10 samples sent in by owner are already in repository.

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	approx.	10	Fine sand with some clay binder	
10	approx.	20	Fine sand with sand, gravel, and some clay binder	
20	approx.	36	Fine sand with coarse sand, gravel, and some clay binder	
36	approx.	45	Fine sand with shell and some clay binder	
45	approx.	60	Fine sand with shell and clay binder increasing	
60	approx.	67	Fine sand with clay binder and decreasing shell	
67	approx.	72	Fine sand with clay binder	
72	approx.	78	Fine sand with clay binder and increasing shell	
78	approx.	104	Fine sand with shell and clay binder	
104	approx.	114	Fine sand with fused shell and rock (shellbed)	Screen. Water.
114	approx.	122	Fine sand with clay binder	

(Use additional forms if necessary)

(Brays Estates)
OWNER : Tri-State Water Company
DRILLER: Douglas and Dickenson
COUNTY : Gloucester (Wicomico)

W# : 4029
C# : 87
TOTAL DEPTH: 122'
QUAD : Clay Bank

GEOLOGIC LOG

Depth
(feet)

- 0-10 Sand- yellowish-gray; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; feldspar; some opaques; some shell fragments; some glauconite; few grains of garnet.
- 10-20 As above.
- 20-30 As above except coarse to very coarse grained, some medium grains; moderately sorted.
- 30-40 Sand- yellowish-gray; medium to very coarse grained, some granules; subangular to subrounded; moderately sorted; quartz; feldspar; 3% shell fragments; some opaques; few grains of glauconite.
- 40-50 As above except coarse to very coarse grained, some medium grains; some shell fragments.
- 50-60 As above plus ostracode.
- 60-70 Sand- yellowish-gray; medium to coarse grained, some very coarse grains; subangular to subrounded; moderately sorted; quartz; feldspar; some shell fragments; some glauconite; few opaques; few echinoid spines.
- 70-80 As above except 2% shell fragments.
- 80-90 Shell fragments and gravel- medium gray, white; 5% granules; subrounded; well sorted; 65% shell fragments; quartz; feldspar.
- 90-105 Shell fragments- off-white; slightly silty; slightly sandy; medium grained; subangular to subrounded; well sorted; 95% shell fragments; quartz.
- 105-122 No sample.

Note: All samples are unwashed.

Logged by: Michael T. Currie
July 23, 1979