

W#: 3517
C#: 76

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B-3667
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Jerome Levinson Mailing Address: 904 Spotswood Ave., Norfolk, VA

TENANT: Lot #11, Wedgewood Subdivision Mailing Address: Same as above

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

WELL LOCATION: County New Kent Approx. feet
Barhamsville and miles (direction) of
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: 3-29-72 DATE COMPLETED: 4-10-72

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 195 feet
(pilot hole to 260')

WATER LEVEL: Stands 110 feet below surface OR

has NATURAL flow of gallons per minute.

YIELD TEST: Method Pump

Drawdown 35 feet

Rate 60 gal. per min.

Duration 24 hrs., min.

HOLE SIZE: 12 1/2 inches from 0 to 50 feet

9 1/4 inches from 50 to 195 feet

6 inches from 195 to 260 feet

SCREEN SIZE: 6 inches from 175 to 195 feet

 inches from to feet

 inches from to feet

CASE SIZE: 6 inches from 1 1/2 to 175 feet

 inches from to feet

 inches from to feet

WATER ZONES: from 175 to 195 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

GROUTING: Method

Material Cement Depth 50 feet

PUMP: Type Submersible

Capacity 50 gal per min

Depth of intake 168 feet

WATER ANALYSIS AVAILABLE: Yes X No

DRILL CUTTINGS SAVED: 26 Yes X 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:

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

INTERVAL SHEET

Page 1 of 1 Well Repository No: W#: 3517 C#: 76
 Date rec'd: 4/17/72 Date Processed: 4/25/72 Sample Interval: from: / to: /
 10 260
 PROPERTY: Jerry Sevinson (Wedgewood Sub.) Number of samples: 26
 COMPANY: R. L. Magette Total Depth: 260'
 COUNTY: New Kent (Barhamsville) Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
- 10	250 - 60	-	-
- 20	-	-	-
- 30	-	-	-
- 40	-	-	-
- 50	-	-	-
- 60	-	-	-
- 70	-	-	-
- 80	-	-	-
- 90	-	-	-
- 100	-	-	-
- 110	-	-	-
- 120	-	-	-
- 130	-	-	-
- 140	-	-	-
- 150	-	-	-
- 160	-	-	-
- 170	-	-	-
- 180	-	-	-
- 190	-	-	-
- 200	-	-	-
200 - 10	-	-	-
210 - 20	-	-	-
220 - 30	-	-	-
230 - 40	-	-	-
240 - 50	-	-	-

All intervals have both washed and unwashed samples.

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Preliminary Test

Date Tested 4/11 19 72 Static Level 110'

Production 50 GPM Pumping Level

Permanent Test

Date Tested 4/11 19 72 Static Level 110'

Production 50 GPM Active St. Level 130'

Draw Down 20 Pumping Level 130'

Remarks:

PUMP DATA:

Shop No. Type Lumber

Type Head Size Suction

Depth Setting 168' (BP to MB)

Size Column 2" Length Suction

Type Bowl Bronze Length Air Line

No. Stages 17 Discharge- 2"

Cap'y. and Head 50 GPM Pressure 50 psi

MOTOR DATA:

Horse Power 5 Voltage 230

RPM 3450 Phase 1

Type Submersible Cycles 60

Make Aerometer Frame No.

6" casing

Back fill
Drill cuttings

Hard lining Stone
Water production
STRATA

(Handwritten initials)

OWNER: Jerry Sevinson
DRILLER: R. L. Magette
COUNTY: New Kent (Barhamsville)

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TOTAL DEPTH: 260'
QUAD.: Toano

GEOLOGIC LOG

Depth
(feet)

- 0-10 Sand - dark yellowish orange; moderately stained; slightly clayey; medium to very coarse grained, some granules, some pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; few opaques; few grains of glauconite.
- 10-20 Sand - grayish orange; moderate clay-grayish orange, light olive gray; medium to coarse grained, some granules; subangular to subrounded; moderately sorted; quartz; feldspar; few grains of glauconite; few opaques.
- 20-30 Sand - very dark yellowish orange; heavily stained; moderate clay-very dark yellowish orange, light reddish brown; medium to very coarse grained, some granules; subangular to subrounded; moderately sorted; quartz; feldspar; few grains of glauconite.
- 30-40 Sand - grayish orange; moderate clay; fine to coarse grained, some granules; subangular to subrounded; poorly sorted; quartz; 20% shell fragments; feldspar; some glauconite; some spines; some opaques.
- 40-50 Sand - light grayish yellow; slightly clayey; fine to medium grained, some coarse grains, few granules; subangular to subrounded; moderately sorted; quartz; 2% black phosphatic material; some shell fragments; some glauconite; some bone fragments; few spines.
- 50-60 As above except 7% shell fragments.
- 60-70 Sand - grayish orange; slightly clayey; fine to coarse grained, some granules; subangular to subrounded; moderately sorted; quartz; 15% shell fragments; 3% glauconite; some feldspar; some black phosphatic material; some bone fragments; few spines; muscovite.
- 70-80 As above except 5% shell fragments; 2% glauconite.
- 80-90 Sand - light olive gray; slight staining on coarse grains; moderate clay; very fine to coarse grained, some granules; subangular to subrounded; poorly sorted; quartz; 3% black phosphatic material; some feldspar; some shell fragments; few grains of glauconite.
- 90-100 As above except 3% shell fragments.

<u>Depth</u> <u>(feet)</u>	
100-110	Sand - light olive gray; moderate clay-light olive gray, dark yellowish orange, moderate orange pink; fine to coarse grained, some granules, few pebbles; subangular to subrounded; poorly sorted; quartz; 5% shell fragments; 2% black phosphatic material; some sandy limestone fragments; some glauconite; few flakes of muscovite.
110-120	Sand - olive light gray; moderate clay; very fine to medium grained, some coarse grains, some granules; subangular to subrounded; moderately sorted; quartz; 3% black phosphatic material; 2% shell fragments; few sandy limestone fragments; few grains of glauconite; few spines.
120-130	Sand - olive light gray; moderate clay-olive light gray, dark yellowish orange; very fine to medium grained, few granules; subangular to subrounded; moderately sorted; quartz; 5% shell fragments; 2% black phosphatic material; few grains of glauconite; few flakes of muscovite.
130-140	As above except no granules; 7% shell fragments.
140-150	As above except some black phosphatic material.
150-160	Clay - olive light gray; abundant sand; fine to coarse grained, few granules; subangular to subrounded; moderately sorted; quartz; 2% shell fragments; some glauconite; bone fragment.
160-170	Sand and clay - olive light gray; moderate clay; abundant sand; fine to coarse grained; subangular to subrounded; moderately sorted; quartz; 10% shell fragments; some black phosphatic material; some glauconite; forams scarce (inc. <u>Nonion</u>); bone fragment .
170-180	Sand - olive light gray; abundant clay; fine to coarse grained, few granules; subangular to subrounded; moderately sorted; quartz; 30% shell fragments; some black phosphatic material; few grains of glauconite; few spines; forams rare (inc. <u>Quinqueloculina</u>); ostracode; bone fragment .
180-190	As above except no foram.
190-200	Sand - olive light gray; moderate clay; medium to coarse grained, some fine grains, few granules; subangular to subrounded; moderately sorted; quartz; 35% shell fragments; some black phosphatic material; some spines; some gypsum crystals; few grains of glauconite.

OWNER: Jerry Sevinson

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Depth
(feet)

- 200-210 Sand - olive light gray; slightly clayey; medium to coarse grained; subrounded; moderately well sorted; quartz; 35% sandy limestone and shell fragments; 2% black phosphatic material; few grains of glauconite.
- 210-220 Coquina - olive light gray; slightly clayey; abundant sand; coarse to very coarse grained; subrounded; moderately well sorted; 75% sandy limestone and shell fragments; quartz; some glauconite; some pyrite; few black phosphatic fragments; muscovite.
- 220-230 As above except 60% sandy limestone and shell fragments; 5% glauconite; few spines.
- 230-240 As above plus forams (inc. Robulus).
- 240-250 Sand and coquina - light olive gray; slightly clayey; medium to very coarse grained; subangular to rounded; moderately sorted; quartz; 40% shell fragments; 20% glauconite (black, brown, green); ostracodes abundant; forams common (inc. Robulus, Discorbis, Buccella, and Pyrulina); some spines; few black phosphatic fragments.
- 250-260 Sandy limestone and shell fragments - light olive gray; slightly clayey; some glauconite; some quartz; pyrite.

Logged by: Michael Currie