

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W# 2694
C# 211

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

Box 3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

OWNER: James A. Owens & Ronald M. Gilchrist Mailing Address: _____

TENANT: _____ Mailing Address: _____

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

WELL LOCATION: County Isle of Wight Approx. _____ feet miles _____ (direction) of
Rt. 679 and Tr. 10 _____ and _____ 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: November 3, 1969 DATE COMPLETED: November 7, 1969

TYPE OF DRILL RIG USED: _____ TOTAL DEPTH _____ feet

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

YIELD TEST: Method _____
Drawdown _____ feet
Rate 230 gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 10 inches from 0 to 50 feet
6 inches from 50 to 465 feet
_____ inches from _____ to _____ feet

SCREEN SIZE: 6 inches from 455 to 465 feet
_____ inches from _____ to _____ feet

WATER ZONES: from _____ to _____ feet
from _____ to _____ feet
from _____ to _____ feet

CASE SIZE: 6 inches from 0 to 455 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER: Color _____ Taste _____
Odor _____ Temp. _____ °F

GROUTING: Method _____
Material Cement Depth 50 feet

WELL TO SUPPLY: (check one) Home _____
Farm _____ Town _____ School _____
Industry _____ Other _____

PUMP: Type submersible-Jacuzzi
Capacity _____ gal. per min.
Depth of intake _____ feet

WATER ANALYSIS AVAILABLE: Yes 23 No _____

DRILL CUTTINGS SAVED: Yes _____ 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: _____

OWNER: J. A. Owens & R. M. Gilchrist
DRILLER: Magette
COUNTY: Isle of Wight

W# 2694
C# 211
Total Depth: 460'
Quad: Bacons Castle
Elev: 60'

Depth
(feet)

WELL LOG

- 0-20 Sand - very pale orange (10yr 8/2); sparse clay in clasts; medium to coarse, subangular, moderate sorting; 10% glauconite; fine phosphate fragments; feldspar.
- 20-40 Sand - very pale orange (10yr 8/2); sparse clay in clasts; medium to granule with few small, rounded, pebbles, sub-angular; 8% glauconite; feldspar; iron-oxide particles and staining.
- 40-60 Sand - light olive gray (5y 6/2); medium to coarse, subangular, well sorted; 10% fine phosphatic fragments; 8% fine shell fragments; Echinoderm spines.
- 60-80 Sand - light and dark brown; medium to coarse, subangular, moderate sorting; 20% dark green Glauconite/Phosphate fragments; 40% shell fragments - Ensis, Barnacles, Dentalium, Oyster; Iron Oxide fragments and staining.
- 80-160 Gravel, Shell - mixed colors; 80% shell fragments - Turritella, Pectens, Anomia; medium to granule, granules decreasing at 120-160', subangular and rounded (granules), poorly sorted; 10% iron oxide (Hematite) fragments and stains; Glauconite grains at 120-160'.
- 160-200 Sand - pale yellowish brown (10yr 6/2); fine to very coarse, angular and subangular, moderate sorting; 10% fine phosphate fragments; 40% shell fragments; 15% Hematite and oxidation products; shark tooth; bone fragment.
- 200-240 Sand - light and dark brown; fine to very coarse, angular and subangular, moderate sorting; few Glauconite; 20% fine shell fragments; 30% Hematite and oxidation products; Forams-Nonion, Textularia; very sparse gray clay in sand clasts; phosphate coated "critter" tubes.
- 240-320 Sand - light and dark gray; sparse clay at 280-320'; fine to very coarse, angular and subangular, moderate sorting; 8% fine black Phosphatic/Bone fragments at 240-280'; 10%+ Glauconite and some phosphatic matter 280-320'; 20% fine shell fragments; Forams-Marginulina, Robulus, Nodosaria, Planularia, Gutlulina (180-300'), Siphogenerina; Hematite and oxidation - 40% at 240-260', 10% at 260-80', 15% at 280-300' and 10% at 300-320'; much organic matter; Echinoderm plates, several

OWNER: J. A. Owens &
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Total Depth: 460'

Depth
(feet)

- kinds of teeth, jawbones ~~and~~^{with} teeth, bone fragments, vertebra, shark teeth; amethyst; quartz; Ostracod.
- 320-340 Gravel - mixed colors; abundant clay/coquina clasts; fine to granule, subangular and rounded, poorly sorted; 25% glauconite, with some in clasts; 20% shell fragments; Forams; Coral; 10% Hematite fragments.
- 340-360 Sand - mixed colors; fine to granule, angular to subangular, moderate sorting; 40% glauconite; 10% shell fragments; Forams; 10% hematite fragments; rose quartz; smokey quartz; garnet.
- 360-380 Sand, Glauconitic - Light and dark green; 80% glauconite; sparse clay in clasts; medium to very coarse, subangular, moderate sorting; Forams; Ostracod; 1% hematite; rose quartz.
- 380-400 Sand, Glauconitic - olive black (5y 2/1); 90% glauconite - medium, dark green; very sparse clay; medium to very coarse, angular and subangular, poor sorting; garnet.
- 400-420 Sand - light and dark gray; sparse clay; medium to very coarse, angular and subangular, moderate sorting; 40% glauconite; garnet; iron oxide.
- 420-460 Sand - light and dark gray; very sparse clay in sand clasts at 420-440; medium to coarse, angular with some subangular, well sorted; iron oxides; garnet; mica at 440-460; 20% glauconite.

Logged by: J. K. Polzin
Oct. 16, 1980