

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 4017
C#: 167

MAILING ADDRESS:
B 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES
JAMES L. CALVER, COMMISSIONER
WATER WELL COMPLETION REPORT

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: Evans Products Company Well #6 Mailing Address: Doswell, VA.

TENANT: _____ Mailing Address: _____

DRILLER: Hingley Water Systems Mailing Address: Glen Allen, VA.

WELL LOCATION: County Hanover Approx. 70 ^{feet}/_{miles} South (direction) of
North Anna River and 70 ^{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: Oct 22, 1973 DATE COMPLETED: Oct 26, 1973

TYPE OF DRILL RIG USED: Ingersoll Rand Air TOTAL DEPTH 200 feet

WATER LEVEL: Stands 52 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Submersible turbine
Drawdown 116 feet
Rate 65 gal. per min.
Duration 10 hrs., _____ min.

HOLE SIZE: 8 inches from 0 to 200 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER ZONES: from 163 to 180 feet
from _____ to _____ feet
from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

CASE SIZE: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method _____
Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No XX
DRILL CUTTINGS SAVED: Yes 15 XX No _____

PUMP: Type _____
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: _____

OWNER: Evans Products Co. #6
DRILLER: Hingley Water Systems
COUNTY: Hanover
(Doswell)

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TOTAL DEPTH: 200'
QUAD: Ruther Glen

GEOLOGIC LOG

Depth
(feet)

0 - 15 Subgraywacke to subarkose (heavily weathered) -- pale brown; quartz; feldspar; some muscovite; biotite.

15 - 25 Subgraywacke to subarkose -- pale brown; ferruginous cement; quartz; white potassic feldspar; some apatite; few flakes of muscovite; biotite.

25 - 35 Subgraywacke to subarkose - very pale red; quartz; white potassic feldspar; pink microcline; some muscovite; few grains of apatite; biotite.

35 - 45 Subgraywacke to subarkose -- pale brown; slightly clayey; quartz; white potassic feldspar; few flakes of muscovite; biotite; apatite.

45 - 64 Subgraywacke to subarkose -- pale brown; ferruginous cement; quartz; white potassic feldspar; 2% biotite; few flakes of muscovite; apatite.

64 - 82 As above except few flakes of biotite.

82 - 100 Subgraywacke to subarkose -- pale brown; moderate clay; quartz; white potassic feldspar; few flakes of muscovite; biotite.

100 - 110 As above except slightly clayey.

110 - 120 Subgraywacke to subarkose -- pale brown; ferruginous cement; quartz; white potassic feldspar; some apatite; few flakes of muscovite; biotite.

120 - 130 As above.

130 - 132 No sample.

132 - 153 As (110 - 120).

153 - 163 As above plus few grains of garnet.

163 - 168 Subgraywacke to subarkose -- pale brown; slightly clayey; quartz; white potassic feldspar; few flakes of muscovite; biotite.

168 - 180 Subgraywacke to subarkose -- medium gray; quartz; feldspar; few flakes of biotite.

180 - 200 Subgraywacke to subarkose -- pale brown; ferruginous cement; quartz;

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Depth
(feet)

white potassic feldspar; some biotite; apatite; few flakes of muscovite.

NOTE: All samples are unwashed.

Logged by: Michael T. Currie
Deb. 15, 1979

OWNER: Evans Products Co. #6

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GEOLOGIC SUMMARY

| <u>Depth</u> <u>(feet)</u> | <u>Thickness</u> <u>(feet)</u> | <u>Rock Unit</u> | <u>Time Rock Unit</u> |
|-------------------------------|-----------------------------------|------------------|-----------------------|
| 0 - 200 | 200 | Newark Group | Triassic |

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
February 21, 1979