

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: Evans Products Company, Well #5 Mailing Address: P.O. Box E
Corvallis, Oregon 97330

TENANT: _____ Mailing Address: _____

DRILLER: Hingley Well & Water Systems Mailing Address: Box 170-H
Glen Allen, VA 23060

WELL LOCATION: County Hanover Approx. 2 ^{feet} miles North (direction) of
Doswell, on North side of US. Hwy 1 beside ~~feet~~ miles the North (direction) of Anna River.

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

DATE STARTED: Feb 10, 1970 DATE COMPLETED: Feb. 16, 1970

TYPE OF DRILL RIG USED: Air TOTAL DEPTH 175 feet

WATER LEVEL: Stands 21 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Sumersible turbine
Drawdown 80 feet
Rate 165 gal. per min.
Duration 12 hrs., _____ min.

HOLE SIZE: 6 inches from 0 to 175 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER ZONES: from 40 to 60 feet
from 60 to 75 feet
from 80 to 85 feet

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

WATER: Color Clear 150 Taste 165
Odor _____ Temp. _____ °F

CASE SIZE: 6 inches from 0 to 20 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method None
Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____
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PUMP: Type Submersible
Capacity _____ gal per min
Depth of intake _____ feet

DRILL CUTTINGS SAVED: Yes XX 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: Main flow of water from fracture at 165 feet.

LOG

FURNISHED BY: Hingley Wells & Water Systems

DATE: February 26, 1970

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	20	Brown sandy soil	
20	40	Brown sandstone	
40	60	Blue grey sandstone (water from 55 to 60 feet approx 8 GPM)	
60	76	Brown sandstone (water approx 12 GPM)	
76	80	Blue grey sandstone	
80	86	Brown sandstone (water approx 30 GPM)	
86	97	Blue grey sandstone	
97	102	Brown sandstone	
102	165	Blue grey sandstone (fracture at 165 feet)	considerable water blew from hole when fracture encountered. Flowing considerable while drilling from this point. Several large pieces of sandstone blew from hole here. Samples in bags.)
165	175	Sandstone brownish.	

OWNER: Evans Products Co. #5
DRILLER: Hingley Well Co.
COUNTY: Hanover

W#: 2790
C#: 138
TOTAL DEPTH: 175'
QUAD: Ruther Glen

GEOLOGIC LOG

Depth
(feet)

- 0 - 10 Subgraywacke to subarkose (weathered) -- dark yellowish orange; slightly clayey; quartz; white potassic feldspar; some muscovite; some hornblende; garnet; few flakes of biotite; large kyanite grain.
- 10 - 20 Subgraywacke to subarkose (weathered) -- dusky yellow; slightly clayey; quartz; white potassic feldspar; some biotite; muscovite; few grains of garnet; apatite.
- 20 - 30 Subgraywacke to subarkose (weathered) -- light olive gray; moderate clay; quartz; white potassic feldspar; 5% weathered biotite; some apatite; muscovite; few grains of pink microcline; garnet; hornblende.
- 30 - 40 As above.
- 40 - 50 Subgraywacke to subarkose (slightly weathered) -- light olive gray; some stained grains; quartz; white potassic feldspar; biotite; muscovite; apatite; few grains of garnet.
- 50 - 60 As above except few grains of apatite; no garnet.
- 60 - 70 Subgraywacke to subarkose (slightly weathered) -- medium light gray; slightly clayey; quartz; white potassic feldspar; some apatite; few flakes of biotite; muscovite; garnet.
- 70 - 80 Subgraywacke to subarkose -- light brown; ferruginous cement; quartz; white potassic feldspar; pink microcline; few flakes of muscovite; biotite; apatite.
- 80 - 90 As above except moderate brown.
- 90 - 100 As above except light brown; few grains of garnet.
- 100 - 110 Subgraywacke to subarkose -- light brown; ferruginous cement; quartz; white potassic feldspar; some muscovite; biotite; few grains to apatite; hornblende.
- 110 - 120 As above except no hornblende.
- 120 - 130 Subgraywacke to subarkose -- light olive gray; quartz; white potassic feldspar; some muscovite; biotite; few grains of apatite.

OWNER: Evans Products Co. #5

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W#: 2790

Depth
(feet)

130 - 140 As above plus few grains of pink microcline; chlorite.

140 - 150 As above plus few grains of garnet; no chlorite.

150 - 175 No samples.

Logged by: Michael T. Currie
Jan. 16, 1979

OWNER: Evans Products Co. #5

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W#: 2790

GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0 - 150	150	Newark Group	Triassic
150 - 175	25	No sample	

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
February 1, 1979