

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#-2888
C#-133

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: Evans Products Company #4 Mailing Address: P. O. Box "E" Corvallis, Oregon 97330

TENANT: Evans Products Company Mailing Address: Doswell, Virginia

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: 1305 Brook Road, Richmond, Va.

WELL LOCATION: County Hanover Approx. 400 ^{feet} ~~miles~~ east (direction) of
U.S. Hwy. 1 and 1500 ^{feet} ~~miles~~ south (direction) of North 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: 10/8/69 DATE COMPLETED: 10/10/69

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 160 feet

WATER LEVEL: Stands 32 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method submersible pump
Drawdown 51 feet
Rate 30 gal. per min.
Duration 3 hrs., _____ min.

HOLE SIZE: 10 inches from 0 to 20 feet
6 1/2 inches from 20 to 160 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 55 to 60 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 none Temp. _____ °F

CASE SIZE: 7 inches ^{OD} from +2 to 20 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method gravity
Material Cement-water Depth 20 feet

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

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc.

DATE: 10/13/69

Well #4

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	5	Clay	
5	55	Sandstone	
55	60	Soft sandstone - water	
60	160	Sandstone	

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INTERVAL SHEET

Page 1 of 1
Date rec'd: 10/29/69 Date Processed: 7/21/70
PROPERTY: Evans Products Co. (Well #4)
COMPANY: Sydnor Hydrodynamics, Inc.
COUNTY: Hanover (Doswell)

Well Repository No: W#-2888 C#- 133
Sample Interval: from:0 to:160
Number of samples: 15
Total Depth: 160'
Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
0 - 10	-	-	-
10 - 20	-	-	-
-	-	-	-
30 - 40	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
110 - 120	-	-	-
120 - 130	-	-	-
130 - 140	-	-	-
140 - 150	-	-	-
150 - 160	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Evans Products Co. #4
DRILLER: Sydnor Hydrodynamics
COUNTY: Hanover

W#: 2888
C#: 133
TOTAL DEPTH: 160'
QUAD: Ruther Glen

GEOLOGIC LOG

Depth
(feet)

- 0-10 Subgraywacke to subarkose — moderate brown; ferruginous cement; slightly clayey — moderate brown, dark yellowish orange; quartz; white potassic feldspar; some muscovite; few flakes of biotite; few fragments of gneissoid granite.
- 10-20 As above except no granite.
- 20-30 No sample.
- 30-40 Subgraywacke to subarkose — pale brown; ferruginous cement; quartz; white potassic feldspar; pink microcline; some biotite; some apatite; few grains of garnet; muscovite; pyrite.
- 40-50 Subgraywacke to subarkose — moderate brown; ferruginous cement; quartz; white potassic feldspar; some biotite; few flakes of muscovite; few fragments of siltstone; apatite.
- 50-60 Subgraywacke to subarkose — pale brown; ferruginous cement; quartz; white potassic feldspar; pink microcline; some biotite; few flakes of muscovite; apatite; garnet.
- 60-70 Arkose — pinkish gray; quartz; pink microcline, white potassic feldspar; some biotite; few grains of apatite; muscovite; garnet.
- 70-80 Subgraywacke to subarkose — moderate brown; ferruginous cement; quartz; pink microcline; white potassic feldspar; some biotite; apatite; few flakes of muscovite; garnet; pyrite.
- 80-90 As above except no pyrite; few granite fragments.
- 90-100 As above except some pyrite.
- 100-110 Subgraywacke to subarkose — medium gray; quartz; white potassic feldspar; some biotite; muscovite; apatite; few grains of pyrite; garnet.
- 110-120 Subgraywacke to subarkose — moderate brown; ferruginous cement; quartz; pink microcline; white potassic feldspar; some biotite; muscovite; few grains of apatite; few siltstone fragments; garnet.
- 120-130 As above except no siltstone.
- 130-140 As above plus few grains of pyrite.

Depth
(feet)

140-150 As above except some apatite.

150-160 Subgraywacke to subarkose — pale brown; ferruginous cement; quartz;
white potassic feldspar; pink microcline; some biotite; muscovite;
some apatite; some pyrite; few grains of garnet.Logged by: Michael T. Currie
Jan. 10, 1979GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0-160	160	Newark Group	Triassic

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
January 12, 1979