

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 3542  
C#: 147

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: Totopotomy, Inc. Well #3 Mailing Address: P.O. Box 26847  
Richmond, VA

TENANT: \_\_\_\_\_ Mailing Address: \_\_\_\_\_

DRILLER: Harvey J. Harper Mailing Address: Rt. 1, Box 189  
Ruther Glen, VA

WELL LOCATION: County Hanover Approx. 15 <sup>feet</sup> miles North (direction) of  
Richmond and 10 <sup>feet</sup> miles South (direction) of Ashland

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

DATE STARTED: April 17, 1972 DATE COMPLETED: April 28, 1972

TYPE OF DRILL RIG USED: Air Rotary TOTAL DEPTH 290 feet

WATER LEVEL: Stands 80 feet below surface OR

has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Submersible turbine

Drawdown 170 feet

Rate 30 gal. per min.

Duration 8 hrs., \_\_\_\_\_ min.

WATER ZONES: from \_\_\_\_\_ to \_\_\_\_\_ feet

from \_\_\_\_\_ to \_\_\_\_\_ feet

from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color Clear Taste \_\_\_\_\_

Odor None Temp. \_\_\_\_\_ °F

WELL TO SUPPLY: (check one) Home \_\_\_\_\_

Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_

Industry \_\_\_\_\_ Other Subdivision

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No \_\_\_\_\_

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: \_\_\_\_\_

HOLE SIZE: 12 inches from 0 to 50 feet

6 inches from 50 to 290 feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

CASE SIZE: 6 inches from +1 to 190 feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

GROUTING: Method Pressure

Material cement Depth 50 feet

PUMP: Type Submersible

Capacity 30 gal per min

Depth of intake 250 feet

# LOG

FURNISHED BY: Harvey J. Harper

DATE: May 4, 1972

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED ( gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
1	22	Brown clay	
22	125	Blue clay	
125	160	Green clay	
160	175	Grey clay	
175	225	Grey rock	
225	275	Red granite	
275	290	Grey granite	

(Use additional forms if necessary)

R  
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W-354  
C-147

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DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:  
Box 3667  
Charlottesville, VA 22903

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

W-3542  
OFFICE ADDRESS: *RH*  
McCormick Road *Prohalla*  
Charlottesville, Virginia

OWNER: TOTOPOTOMOY, INC. Mailing Address: P.O. Box 26847, Richmond, Va.

TENANT: *well #3* Mailing Address: \_\_\_\_\_

DRILLER: Harvey J. Harper Mailing Address: Rt. 1 Box 189, Ruther Glen, Va.

WELL LOCATION: County Hanover Approx. 15 miles North (direction) of  
Richmond and 10 miles South (direction) of Ashland

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

DATE STARTED: April 17, 1972 DATE COMPLETED: April 28, 1972

TYPE OF DRILL RIG USED: Air drill TOTAL DEPTH 290 feet

WATER LEVEL: Stands 80 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Submersible turbine  
Drawdown 170 feet  
Rate 30 gal. per min.  
Duration 8 hrs., 0 min.

HOLE SIZE: 12 inches from 10 to 50 feet  
6 inches from 50 to 290 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from \_\_\_\_\_ to \_\_\_\_\_ 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: 6 inches from 1 to 190 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WELL TO SUPPLY: (check one) Home   
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_  
Industry \_\_\_\_\_ Other Subdivision

GROUTING: Method pump the cement in  
Material cement Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No \_\_\_\_\_

PUMP: Type Submersible  
Capacity 30 gal per min  
Depth of intake 250 feet

DRILL CUTTINGS SAVED: Yes *29\** 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: ~~Samples was taken from surface to 290 ft. at 10 foot intervals.~~

YELLOW TAVERN QUADRANGLE

ELEV. : 795

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

INTERVAL SHEET

Page 1 of 1

Well Repository No: W#: 3542

Date rec'd: 5/15/72 Date Processed: 5/30/72

C#: 147  
 Sample Interval: from: 0 to: 290

PROPERTY: Topopotomy #3

Number of samples: 29

COMPANY: H.J. Harper

Total Depth: 290

COUNTY: Hanover  
 (Poindexter)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
0 - 10	250 - 60	-	-
10 - 20	260 - 70	-	-
20 - 30	270 - 80	-	-
30 - 40	280 - 90	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
110 - 120	-	-	-
120 - 130	-	-	-
130 - 140	-	-	-
140 - 150	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-

All intervals have both washed & unwashed samples.

OWNER: Topopotomy #3  
DRILLER: H.J. Harper  
COUNTY: Hanover  
(Poindexter)

W#: 3542  
C#: 147  
TOTAL DEPTH: 290'  
QUAD: Yellow Tavern

GEOLOGIC LOG

Depth  
(feet)

- 0 - 10 Sand -- dark yellowish orange; moderate clay; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; feldspar; few opaques.
- 10 - 20 Sand -- very dark yellowish orange; moderate clay - dark yellowish orange, very light gray; fine to coarse grained; subangular to subrounded; moderately sorted; quartz; feldspar; few flakes of biotite.
- 20 - 30 Clay -- light olive gray, light brown, light gray; abundant sand; fine to coarse grained, some pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; few shell fragments; few flakes of muscovite; biotite.
- 30 - 40 Sand -- pale yellowish orange; moderate clay; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; feldspar; some biotite; few flakes of muscovite.
- 40 - 50 Sand -- light olive gray; abundant clay; fine grained; subangular to subrounded; well sorted; quartz; 10% shell fragments; few flakes of biotite; few black phosphatic fragments.
- 50 - 60 Clay -- light olive gray; moderate sand; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; few flakes of muscovite; biotite.
- 60 - 70 Clay -- olive light gray; slightly sandy; fine to medium grained; subangular to subrounded; well sorted; quartz; some black phosphatic material; few flakes of muscovite.
- 70 - 80 As above except moderate sand; 7% black phosphatic material inc. shark's tooth.
- 80 - 90 Clay -- light olive gray; moderate sand; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; 10% dolomitic limestone fragments; 7% black phosphatic material; few shell fragments.
- 90 - 100 Clay -- light gray; few flakes of muscovite.
- 100 - 110 Clay -- light gray; 20% heavily weathered biotite; some muscovite.
- 110 - 120 Clay -- very light gray; few grains of quartz; few limestone fragments; biotite.

Depth  
(feet)

- 120 - 130 Clay -- light olive gray; moderate sand; fine to coarse grained, few granules; subangular to subrounded; moderately sorted; quartz; 2% black phosphatic material; 2% shell fragments; some biotite.
- 130 - 140 As above except 5% shell fragments; 3% biotite; some muscovite.
- 140 - 150 As above except 5% granules.
- 150 - 160 Granite (weathered) -- light olive gray; moderate clay; quartz; white potassic feldspar; 10% biotite; 2% muscovite; few grains of pink microcline.
- 160 - 170 Granite (slightly weathered) -- light gray; slightly clayey; quartz; white potassic feldspar; 20% biotite; pink microcline; some muscovite.
- 170 - 180 Granite -- white, black, medium light gray; quartz; white potassic feldspar; 10% biotite; some muscovite; garnet.
- 180 - 190 Granite -- light gray; equigranular; quartz; white potassic feldspar; 15% biotite; few flakes of muscovite; garnet.
- 190 - 200 Granite -- light gray, black, white; quartz; white potassic feldspar; 30% biotite; few flakes of muscovite; pink microcline.
- 200 - 210 As above.
- 210 - 220 As above.
- 220 - 230 Granite -- light gray, black, moderate orange pink; quartz; white potassic feldspar; 35% biotite; pink microcline.
- 230 - 240 As above except 20% biotite.
- 240 - 250 Granite -- medium gray, moderate orange pink; pink microcline; quartz; 25% biotite; white potassic feldspar.
- 250 - 260 As above plus few grains of greenish yellow apatite.
- 260 - 270 As above plus few grains of pyrite; no apatite.
- 270 - 280 As above except 15% biotite.
- 280 - 290 As above except 30% biotite.

Logged by: Michael T. Currie  
Jan. 23, 1979