

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: Thomas Mains Mailing Address: Sleepy Hollow, Richmond, Va.

TENANT: Fairway Oaks Subdivision Mailing Address:

DRILLER: Falwell Well Corporation Mailing Address: Lynchburg, Virginia

WELL LOCATION: County Bedford Approx. 5 <sup>miles</sup> west (direction) of

Big Island and 2000 <sup>feet</sup> ~~miles~~ NE (direction) of subdivision

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

DATE STARTED: 1/1/69 DATE COMPLETED: 1/9/69

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 320 feet

WATER LEVEL: Stands 60 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method air lift  
Drawdown 230 feet  
Rate 30 gal. per min.  
Duration 36 hrs., 0 min.

HOLE SIZE: 10 inches from 0 to 63 feet  
6 inches from 63 to 320 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from 160 to 180 feet  
from 220 to 246 feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

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

WATER: Color clear Taste good  
Odor none Temp. ? °F

CASE SIZE: 6 inches from 0 to 63 feet  
(19.45#) \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

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

GROUTING: Method poured  
cement &  
Material water Depth 63 feet

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

PUMP: Type \_\_\_\_\_  
Capacity \_\_\_\_\_ gal. per min  
Depth of intake \_\_\_\_\_ feet

DRILL CUTTINGS SAVED: Yes 31 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: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

LOG

FURNISHED BY:

Falwell Well Corporation

DATE: 1/20/69

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	63	Mixed overburden	
63	300	Mixed granite	

(Use additional forms if necessary)

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INTERVAL SHEET

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Well Repository No: W-2426

Date rec'd: 1/28/69

Sample Interval: from 0 to: 320'

PROP: T. Mains (Fairway Oaks Sub.)

Number of samples: 32

COMP: Falwell Well Corp.

Total Depth: 320'

COUNTY: Bedford (Big Island)

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To
0 - 10	300 - 310	-	-
10 - 20	310 - 320	-	-
20 - 30	-	-	-
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	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-
250 - 260	-	-	-
260 - 270	-	-	-
270 - 280	-	-	-
280 - 290	-	-	-
290 - 300	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Thomas Mains (Fairway Oaks Sub.)  
DRILLER: Falwell Well Corporation  
COUNTY: Bedford (Big Island)

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TOTAL DEPTH- 320'

GEOLOGIC LOG

Depth  
in feet

0-10	Biotite gneiss — brownish-gray, slightly weathered; quartz, feldspar, biotite, zoisite or epidote, and sericite
10-20	" with small amount of red clay
20-30	Weathered gneiss — light brown, weathered sericite, quartz and biotite; a few fragments of biotite gneiss
30-40	"
40-50	Biotite gneiss — medium brownish-gray, slightly weathered; quartz, feldspar, biotite, zoisite and sericite; small amount of red clay
50-60	" no red clay
60-70	Biotite gneiss — black and white, coarse crystalline texture; quartz, feldspar, biotite, zoisite and sericite; trace of pyrite
70-80	"
80-90	"
90-100	"
100-110	"
110-120	"
120-130	"
130-140	"
140-150	" with small amount of pink garnet
150-160	" with large amount of biotite schist, and trace of pink garnet

OWNER: Thomas Mains ( Fairway Oaks Sub. )

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160-170	Biotite gneiss — black and white, coarse crystalline texture, well foliated; quartz, biotite, and feldspar; small amounts of zoisite, sericite, and pink garnet
170-180	" very large amount of weathered vein quartz and hydro-mica
180-190	"
190-200	"
200-210	"
210-220	"
220-230	"
230-240	"
240-250	"
250-260	"
260-270	"
270-280	"
280-290	"
290-300	"
300-310	"
310-320	"

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-60'	Partially weathered gneiss (Marshall Formation ?)	—
60-320'	Marshall Formation	Precambrian

Virginia Division of Mineral Resources  
T. M. Gathright, Geologist  
January 28, 1969