

STATE OF MARYLAND
DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES

The Johns Hopkins University
BALTIMORE 18, MARYLAND

PG - Ec 41

Anacostia

APPLICATION FOR PERMIT TO DRILL WELL

An application must be submitted and permit received before drilling a well

Owner Washington Suburban Sanitary Com.
Street or R. F. D. 4017 Hamilton Street
Post Office Hyattsville, Md.

Driller Henry A. Gropp
Street or R. F. D. P. O. Box 185
Post Office Glen Burnie, Md.
Date April 11, 1960

Quantity of Water Needed (G. P. M.) _____
Use for Water Test Well Only
Approximate Depth of Well (feet) 900'
Method of Drilling to be used Rotary

Location of Well TEST WELL ONLY
County Prince George's
Nearest Town Southlawn
Distance from Town in Southlawn
Direction from Town _____

PERMIT TO DRILL WELL

(Permit to be returned to Driller)

NOT TO BE FILLED IN BY DRILLER

Permit No. 38527

Samples of Cuttings Required by Department Yes No

Owner Requires Permit to Appropriate Water Yes No

Owner Has Permit to Appropriate Water Yes No

The applicant is herewith granted a permit to drill this well subject to the conditions stipulated.

Joseph T. Dingewald, Jr.
Director

Date April 13, 1960

Special conditions that may apply:

Description of Location of Well

(This information should be definite enough to permit locating well on a county map)

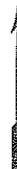
Near what road Carson Avenue

On which side of road West
(North, East, South, West)

Distance from road 45'

Draw a sketch below showing location of well in relation to nearby towns, roads and streams with north in the direction of the arrow, and give distance from well to nearest road junction or stream crossing shown on the sketch.

NORTH



SEE ATTACHED MAP

Cuttings samples desired from every 10-foot depth interval. Sample sacks being sent under separate cover.

(ORIGINAL)

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WELL COMPLETION REPORT

This report must be submitted within 30 days after completion of the well

WELL DESCRIPTION

WELL LOG

State the kind of formations penetrated, their depth, their thickness, and if water-bearing

CASING AND SCREEN RECORD

State the kind and size of casing, liner, shoe, screen, and other accessories (if no casing used, give diameter of well)

Permit Number 38527

Name of Owner
Washington Suburban
Sanitary Commission

PUMPING TEST

Hours Pumped See attached
copy of 2 pump tests
Type of Pump Used

Pumping Rate
Gallons per Minute

WATER LEVEL

Distance from land surface to
water: See attached
Before Pumping Ft.
When Pumping Ft.

APPEARANCE OF WATER

Clear X
Cloudy
Taste
Odor

Height of Casing Above Land
Surface 1 Ft.

PUMP INSTALLED

Type None
Capacity
Gallons per Minute
Gallons per Hour
Pump Column Length Ft.

REMARKS

Well Was Completed
Date May 27, 1960
Well Driller H. A. Gropp

H. A. Gropp
Signature

WELL LOG	FEET		CASING AND SCREEN RECORD	DIAM. (inches)	FEET	
	from	to			from	to
Brown clay	0	4	Upper Strata: Patapsco			
Brown sand & large gravel	4	20				
Black muddy clay	20	40	Black plain end			
Black muddy clay	40	54	steel pipe	6	0-241	
Gray & white clay	54	69	Bronze shutter			
Streak of rock	69	69'4"	screen	6	241-261	
Red & white clay	69'4"	91	Lower Strata: Patuxent			
Hard red clay	91	111				
Hard red clay	111	118	Black plain end			
Red, gray & white clay	118	138	steel pipe	6	0-630	
Dark brown sand	138	160	Bronze Shutter			
Med. coarse brown sand	160	183	screen	6	630-650	
Gray clay	183	194				
Streak of rock	194	194'6"				
Coarse brown sand and small gravel	194'6"	200				
Brown & gray clay	200	218				
Green & gray clay, soft	218	228				
Coarse white sand, w. b.	228	238				
Coarse white sand, w. b.	238	259				
Streak of clay	259	260				
Coarse white sand, w. b.	260	266				
Hard brown & gray clay	266	287				
Med. coarse white sand	287	290				
Light gray clay	290	301				
Hard red clay	301	321				
Very hard red clay	321	332				
Soft red & gray clay	332	342				
Soft sandy gray clay	342	362				
Med. hard sandy gray clay	362	383				
Soft gray clay	383	406				
Light green sandy clay	406	422				
Med. hard brown clay	422	438				
Very hard light brown and white clay	438	446				
Hard red, brown & white clay	446	455				

NOTE: Casing removed from test well and hole filled with clay and cement to surface.

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Permit Number 38527

Name of Owner
Washington Suburban
Sanitary Commission

WELL LOG	FEET		DIAM. (inches)	FEET		PUMPING TEST
	from.....to.....			from.....to.....		
Red, brown, and white clay and layers of fine sand	455	464			Hours Pumped	
Brown, red & white clay	464	484			Type of Pump Used	
Brown, red & white clay	484	506			Pumping Rate Gallons per Minute	
Hard dark brown & gray clay	506	517			WATER LEVEL	
Brown & gray clay and fine sand	517	539			Distance from land surface to water:	
Sandy pink, brown, and gray clay	539	555			Before Pumping.....Ft.	
Brown & light gray clay	555	577			When Pumping.....Ft.	
Brown & light green clay & thin layers of sand	577	620			APPEARANCE OF WATER	
Med. coarse gray sand, water-bearing	620	630			Clear	
Med. coarse gray sand, water-bearing	630	642			Cloudy	
Streak of clay	642	643			Taste	
Med. coarse gray sand, water-bearing	643	655			Odor	
Dark brown & light green clay	655	675			Height of Casing Above Land Surface	
Dark brown & light green clay	675	719			PUMP INSTALLED	
Brown & white mixed clay	719	739			Type	
Soft brown, white & light green clay	739	760			Capacity	
No sample	760	762			Gallons per Minute	
Brown, pink, & light green clay	762	783			Gallons per Hour	
Brown, red & light green clay	783	802			Pump Column Length.....Ft.	
Light green clay & thin layers of sand	802	822			REMARKS	
Brown & light green clay & thin layers of sand	822	842			
Hard brown & dark green clay	842	871			
Rock	871	875			

Well Was Completed
Date May 27, 1960

Well Driller H. A. Gropp
H. A. Gropp
Signature

Permit No. 38527 - Washington Suburban Sanitary Commission:

	Kps Upper Strata 241-261 (iron) 228-266 (setting)	Kpx Lower Strata 630-650 6620-655 (Screen setting)
PUMPING TEST:		
Hours Pumped	6	6
Type of Pump Used	Turbine	Turbine
Pumping Rate -GPM	320	275
WATER LEVEL:		
Before Pumping	150'	147'
When Pumping	225'	200'
Spec. Capacity	4.2 g/ft. + H	5.2 g/ft. + H
Pump setting	245	230
total depth	261	650
casing (inches)	6	6
size of screen	6" shutter	6" shutter
QW appearance	clear	clear
Fe	0.8	0.3
pH	7.8	7.8

} data from driller

CONTRACT No. 1610 L-W
TEST WELL
"SOUTHLAWN"

Date: 3-24-1960 Job No. 60 BH4004

WASHINGTON SUBURBAN SANITARY COMMISSION

