

STATE OF MARYLAND
DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES

The Johns Hopkins University
BALTIMORE 18, MARYLAND

57226

AA-BD 98

AA-Bd 98

AA 057226

12/2/2

Relay

APPLICATION FOR PERMIT TO DRILL WELL

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

AA 00 Sanitary Comm

date

999

Owner Anne Arundel County Sanitary Commission
300 Balto. Annapolis Blvd.
Street or R. F. D. _____
P.O. Drawer 130
Post Office Glen Burnie, Md. 21061
Driller Henry A. Gropp
Street or R. F. D. P.O. Box 637
Post Office Glen Burnie, Md. 21061
Date April 22, 1964

Quantity of Water Needed (G.P.M.) 300
Use for Water Municipal
Approximate Depth of Well (feet) 300
Method of Drilling to be used Rotary

Location of Well
County Anne Arundel
Nearest Town Glen Burnie
Distance from Town 1 mile
Direction from Town S.W.

PERMIT TO DRILL WELL

(Permit to be returned to Driller)

NOT TO BE FILLED IN BY DRILLER

Permit No. 57226

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.

Kenneth M. Williams
Director

Date April 23, 1964

Special conditions that may apply:

12-12-69: Layne & Bowler turbine pump, Serial No. DO 8154.

12/2/2

Description of Location of Well

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

Near what road Jones Road

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

Distance from road 150

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 Sketch

WELL 17, DORSEY ROAD
WELL FIELD



(ORIGINAL)

STATE OF MARYLAND
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AA057216

WELL COMPLETION REPORT

12/2/64 This report must be submitted within 30 days after completion of the well

080364

WELL DESCRIPTION

625

Permit Number 57226

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)

Name of Owner

Anne Arundel County
Sanitary Commission

PUMPING TEST

Hours Pumped 8
Type of Pump Used ~~submersible~~
Pumping Rate
Gallons per Minute 907

WATER LEVEL

Distance from land surface to water:
Before Pumping 57.7 Ft.
When Pumping 205 Ft.

APPEARANCE OF WATER

Clear no
Cloudy no
Taste yes
Odor no

Height of Casing Above Land Surface 1 Ft.

PUMP INSTALLED

Type ~~not installed~~
Capacity
Gallons per Minute
Gallons per Hour
Pump Column Length Ft.

REMARKS

Well Was Completed

Date 8-3-64

Well Drilled Henry A. Gropp

Henry A. Gropp

See attached copy of formation log

F E E T
from.....to.....
0-625'

Steel Butt
Weld Casing

D I A M.
(inches)
20"

F E E T
from.....to.....
6" above
ground
level to
235'

Steel Butt
Weld Casing

10"

+1' to
552'

Stainless
Steel Screen

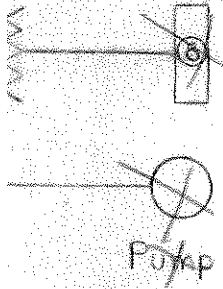
10"

552 -
591'

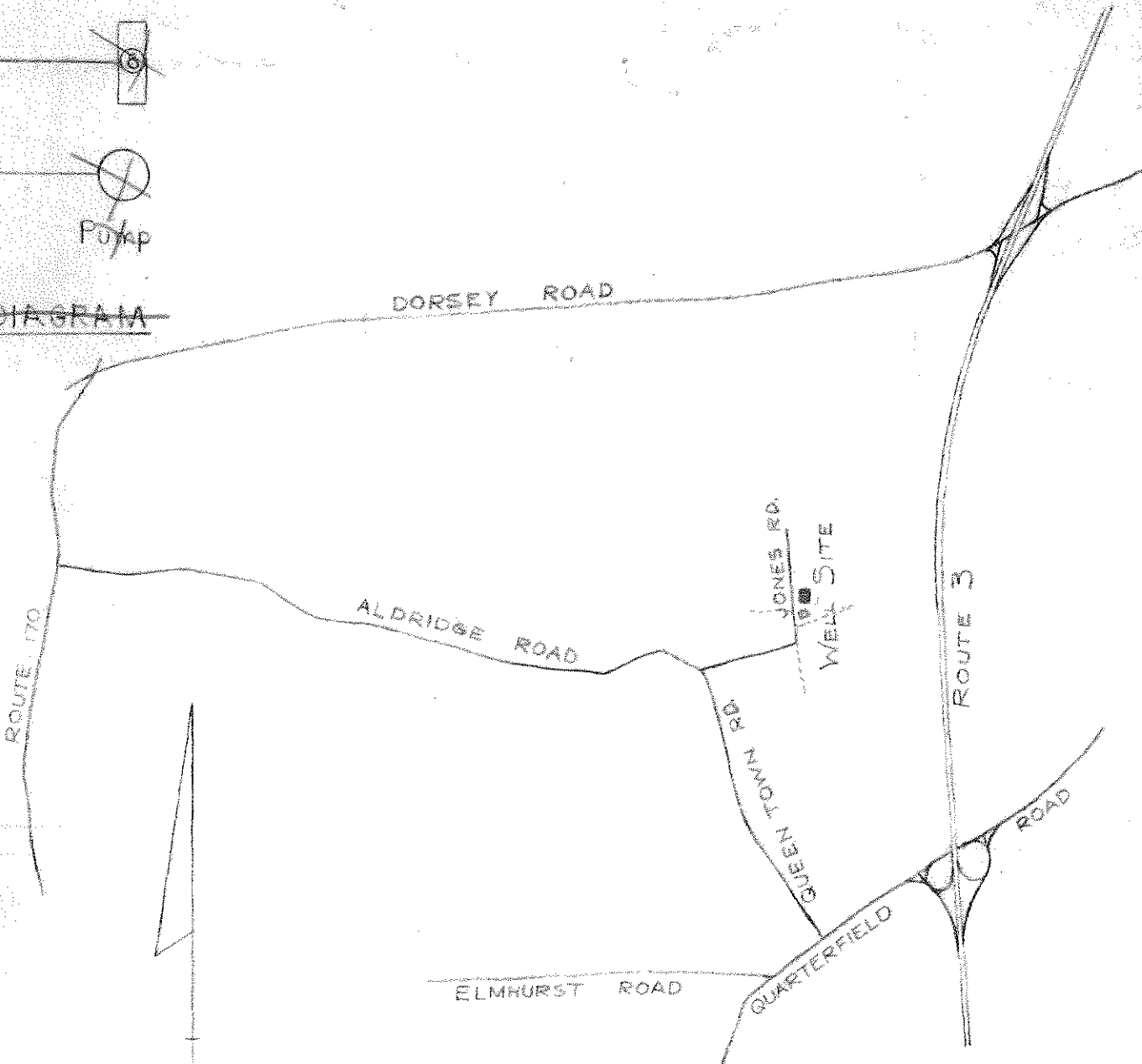
$$\frac{907}{147} = 6.1$$

$$\begin{array}{r} 205 \\ 147 \\ \hline 88 \\ 250 \\ 147 \\ \hline 103 \\ 102 \\ \hline 1 \end{array}$$

AA 057221



~~DIAGRAM~~



VICINITY MAP

DRILLER'S LOG

PERMIT 57226

AA-Bd 98

0	-	4	Topsoil, brown sand
4	-	12	White clay, sandy, medium soft
12	-	20	Medium coarse brown sand
20	-	33	Layers of white clay and medium coarse sand, small gravel
33	-	45	Layers of white clay and medium coarse sand, small gravel; took water
45	-	67	Fine to medium coarse sand and small gravel; thin layers of white clay (medium fast drilling)
67	-	75	Medium hard layer of white clay, 67 to 69; layers of white clay, sand, some gravel
75	-	85	Fine to medium sand; thin layers of white clay
85	-	92	Fine to medium sand, light brown
92	-	105	Hard white clay, few thin streaks sand (hardest clay)
105	-	115	Fine to medium light brown sand; thin layers of white clay, 105 to 110
115	-	125	Fine to coarse sand
125	-	137	Medium to coarse brown sand
137	-	151	Hard white clay; thin streaks of coarse sand in clay (1")
151	-	160	Hard rough drilling sand, brown medium coarse
160	-	171	Streaks of white clay and fine to medium brown sand
171	-	185	Hard red sandy clay, 10 min. to cut 1 ft, softer in bottom, traces of gray
185	-	200	Hard brown and red sandy clay, traces of gray (3"); streaks of rock at 195'8"
200	-	224	Fine to medium coarse light brown sand
224	-	241'4"	Hard red, brown, and gray clay; traces of sand
241'4"	-	245	Rough streak approx 2" thick at 241'4"; medium hard mixed colored clay, drills rough
245	-	265	Medium hard clay changing to blue, little softer in last 5 ft
265	-	285	Blue clay, hard and soft streaks
285	-	326	Medium hard mixed colored clay, red, gray, white, yellow
326	-	346	Medium hard mixed colored clay changing to blue clay with traces of wood in last 5 ft
346	-	364	Hard mixed colored clay; traces of wood
364	-	384	Medium soft clay; streaks of sand, gray and white
384	-	408	Hard red and gray clay, some white

408 - 428 Medium hard red, brown, and white clay; thin streaks
of sand

428 - 460 Medium hard brown, red, and gray clay; traces of sand

460 - 465 White sandy clay

465 - 480 White clay and medium fine sand in layers

480 - 490 Medium hard mixed colored clay, red, brown, white,
and gray

490 - 529 Hard mixed colored clay; few hard streaks

529 - 538 Thin streaks of rock; clay changed to medium soft gray
and white

538 - 545 Gray and white clay; trace of wood in gray clay; few
thin layers of sand at 538 to 540

545 - 550 Medium hard mixed colored clay, some small gravel; pos-
sibly out of streaks of rock above

550 - 565 Medium to coarse light gray sand; small gravel

565 - 567 Clay, white; no sample (medium hard sand ground clay up)

567 - 578 Medium to coarse sand and small gravel

578 - 588 Thin streak of clay at 578 (approx. 6"); medium coarse
sand and small gravel

588 - 596 Thin streaks of clay and sand; drills rough

596 - 601 Medium to coarse sand and small gravel

601 - 612 Streak of sand and clay; thin streak of rock at 603

612 - 625 Hard gray to green sandy clay

625 Rock, hard

Driller's Job #20-1314, Contract #51:

Wells, Dorsey Road System, Anne Arundel County Sanitary Commission