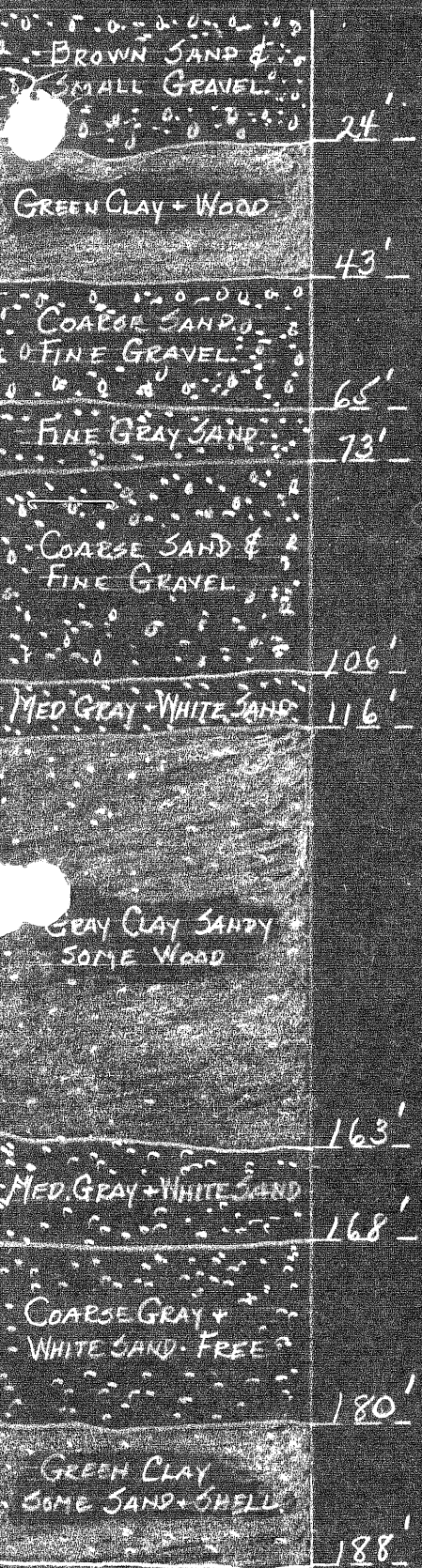
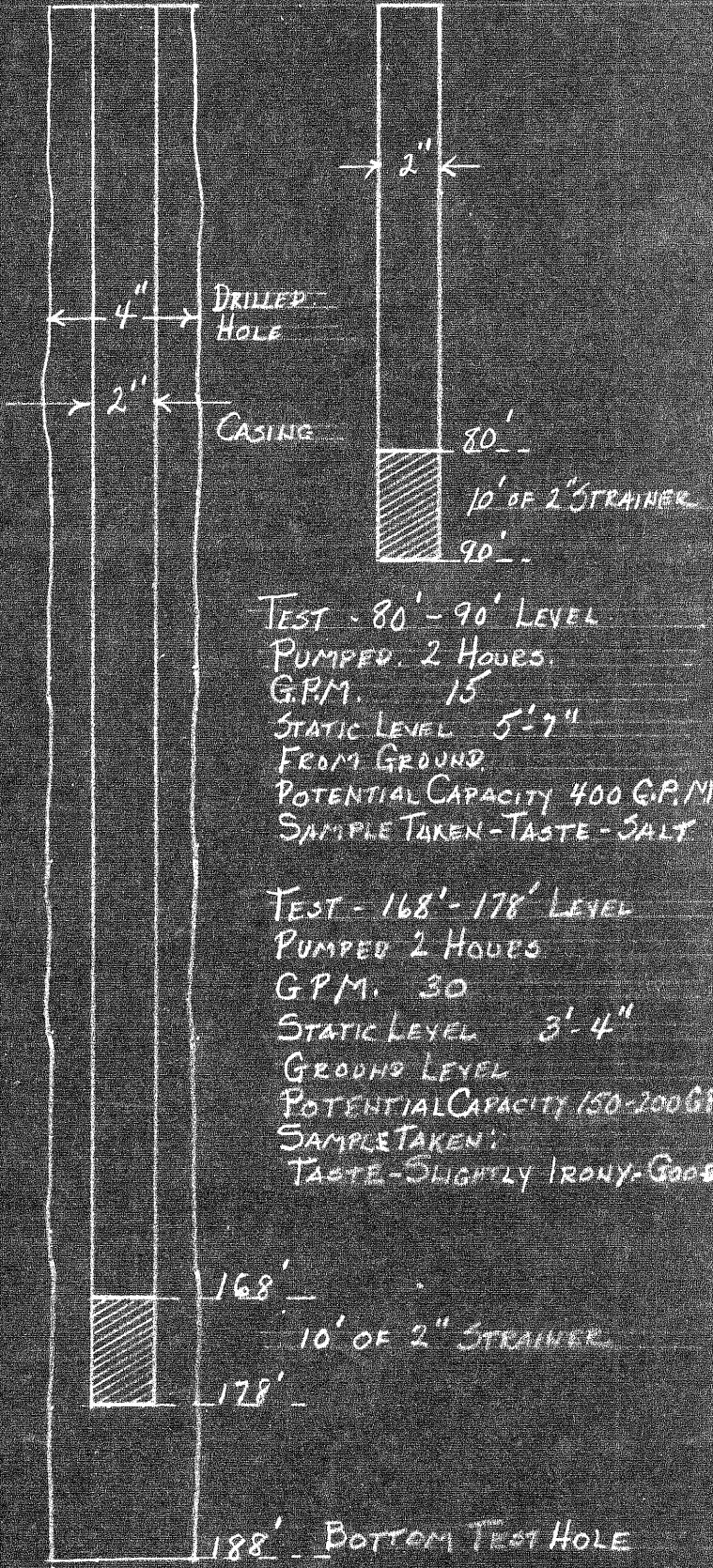


SUSSEX SHORES WATER CO. 4" DIA. DRILLED HOLE SEPT. 30-57
 BETHANY BEACH, DEL. GRAVEL PIT TEST WELL - 2" DIA. CASING

RJ 22-1



Salt
Miss?
Manokin aquifer



TEST - 80' - 90' LEVEL
 PUMPED 2 HOURS
 G.P.M. 15
 STATIC LEVEL 5'-7"
 FROM GROUND
 POTENTIAL CAPACITY 400 G.P.M.
 SAMPLE TAKEN - TASTE - SALT

TEST - 168' - 178' LEVEL
 PUMPED 2 HOURS
 G.P.M. 30
 STATIC LEVEL 3'-4"
 GROUND LEVEL
 POTENTIAL CAPACITY 150-200 G.P.M.
 SAMPLE TAKEN:
 TASTE - SLIGHTLY IRONY. GOOD

SHANNAHAN ARTESIAN WELL CO., INC.
 P O BOX 217 ST. MICHAELS, MD

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

*New
Delaware*

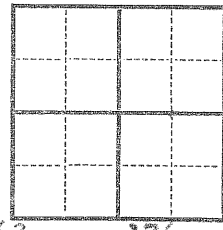
WELL SCHEDULE

Date February 9, 1959 Field No. _____
Record by R. R. Jordan Office No. Qj 22-1
Source of data Norman Shannahan (Qj 10)

1. Location: State Delaware County Sussex
Map Bethany Beach

1/4 1/4 sec. T SR E
2. Owner: Sussex Shores Water Address Sussex Shores, Del.
Co. Co.
Tenant _____ Address _____
Driller Shannahan Art. Well Address St. Michaels, Md.
Co. Co.

3. Topography C. P.
4. Elevation 5-10 ft. above S. L.
below
5. Type: Dug, drilled, driven, bored, jetted 9/30 1957
6. Depth: Rept. _____ ft. Meas. 188 ft.
7. Casing: Diam. 4 in., to _____ in., Type _____
Depth _____ ft., Finish _____



8. Chief Aquifer _____ From 163 ft. to 176 ft.
Others _____

9. Water level _____ ft. rept. _____ above
meas. _____ below
_____ which is _____ ft. above
below surface

10. Pump: Type _____ Capacity _____ G. M.
Power: Kind _____ Horsepower _____

11. Yield: Flow _____ G. M., Pump _____ G. M., Meas., Rept. Est. _____
Drawdown _____ ft. after 2.5 hours pumping _____ G. M.

12. Use: Dom., Stock, PS., RR., Ind., Irr., Obs. Test well
Adequacy, permanence _____

13. Quality _____ Temp _____ °F.
Taste, odor, color _____ Sample Yes
No
Unfit for _____

14. Remarks: (Log, Analyses, etc.) 4" hole, to be developed.
Salt in upper part at 80'
Abandoned, casing gullied

Qj 22-1
Pumped - depth
30 gpm -- 80-90'
150-200 gpm -- 168-176'

- 0-24 Brown sand and small gravel
- 24-3 Green clay and wood
- 43-65 Coarse sand and fine gravel
- 65-73 Fine gray sand
- 73-106 Coarse sand and fine gravel
- 106-116 Medium gray and white sand
- 116-163 Gray sandy clay
- 163-168 Med. gray-white sand
- 168-180 Coarse gray and white sand free
- 180-188 Green clay, some sand and shell

Qj 22-1

DELAWARE GEOLOGICAL SURVEY
UNIVERSITY OF DELAWARE
NEWARK, DELAWARE

WELL COMPLETION REPORT

PLEASE SUBMIT THIS REPORT WITHIN 30 DAYS AFTER COMPLETION OF THE WELL

WELL LOG		CASING AND SCREEN RECORD		
State the kind of formations penetrated, their depth, their thickness, and if water-bearing		State the kind and size of casing, liner, shoe, screen and other accessories (if no casing used, give diameter of well)		
	Feet From----- To-----	Diam. ins.	Feet From----- To-----	
Green sand + Small Gravel	0' - 24'	14" test hole	Tested water: at 80' — salty. at 188' — seemed to be good quality	
Green Clay + Wood	24' - 43'			
Coarse Sand + Fine Gravel	43' - 65'			
Fine Gray sand	65' - 73'			
Coarse Sand + Fine Gravel	73' - 106'			
Med gray + White sand	106' - 116'			
Gray sandy clay	116' - 163'			
med gray white sand	163' - 168'			
coarse Gray + White sand + fine	168' - 180'			
Green clay some sand + shell	180' - 188'			
Owner <u>Swiss Shore Water Co</u> Address <u>Bethany Beach</u> <u>Delaware</u> Tenant ----- Address ----- ----- (Please draw location of well and road sketch on reverse side)				
PUMPING TEST				
Hours Pumped -----				
Pumping rate ----- GPM				
WATER LEVEL				
Distance from land surface to water:				
Before Pumping ----- ft.				
After Pumping ----- ft.				
APPEARANCE OF WATER				
Clear -----				
Cloudy -----				
Taste -----				
Odor -----				
Height of casing above land surface ----- ft.				
PUMP				
Type -----				
Capacity—GPM -----				
GPHr -----				
Pump column length ----- ft.				
REMARKS				
<div style="text-align: right; padding-right: 50px;"> SHANNAHAN ARTESIAN WELL CO., INC. P. O. BOX 217 ST. MICHAELS, MARYLAND </div>				
Date well completed <u>9-30-57</u>				
Well Driller <u>Norman M. Shannahan, Jr.</u>				
Signature				