



Analytical Results

08/23/00 09:11am

ED ENGLISH
HOPEWELL TOWNSHIP BOARD OF HEALTH
201 WASHINGTON CROSSING-PENNINGTON ROAD
TITUSVILLE, NJ 08560

Regarding:

HILLBILLY HALL, INC.
203 HOPEWELL-WERTSVILLE ROAD
HOPEWELL, NJ 08525

AUG 28 2000
Hopewell Township Health Dept.

Account No: W00303, HILLBILLY HALL INC
Project No: W00303, HILLBILLY HALL INC

P.O. No:
PWSID No: 1106369

Inv. No: 302951

Sample Number L669945-1
Sample Description DEP DRINKING WATER - KITCHEN SINK
Received Temp: 41°F Iced (Y/N): Y

Samp. Date/Time/Temp 08/17/00 12:20pm 000°F
Sampled by Ronald C. Wilhelm, QC Inc.

Parameter	Method	Result	RLs	Test Date
COLIFORM-MF	STD Methods 18th Ed. 9222	POS col/100ml	1. col/100ml	08/17/00
CHLORINE RESIDUAL LOW LEVEL-FIELD	Std Methods 18th Ed. DPD	ND mg/L		08/17/00
FECAL COLIFORM-EC	STD Methods 18th Ed. 9222	NEG col/100ml	1. col/100ml	08/17/00

L669945-1:

1. A water supply is considered bacteriologically "SAFE" if no Coliform bacteria are detected. To be considered "SAFE" your report should indicate "NEG" for the Coliform Test. If your report indicates a positive result "POS" or a value of one (1) or greater then your supply is "UNSAFE FOR DRINKING" contact your local Health Dept. or QC for advice.

cc: HILLBILLY HALL, INC.
ED ENGLISH, HOPEWELL TOWNSHIP BOARD OF HEALTH

Charlie

466-9856

8/24/00 - 2nd Pos Sample

RE Went to site. Posted Safe Drinking Water Sign
Well head - OK / no new plumbing
Well Chlorinated by owner. → waiting for re-sample.

A result of "ND" indicates the concentration of the analyte tested was either not detected or below the RLs.
QC INC's laboratory certification numbers are; PADER 09-131; NJDEP 77166/77001(WindGap), additional states upon request.
Definitions: ND=not detected; NEG=negative; POS=positive; COL=colonies; RLs=laboratory reporting limits; L/A=laboratory accident;
TNTC=too numerous to count

A result marked with "DRY" indicates that the result was calculated and reported on a dry weight basis.

Page 1

Serial Number: 23966

[Signature]
Schroeder, President

PUBLIC NOTICE**HILLBILLY HALL****VIOLATION OF MICROBIOLOGICAL STANDARD**

The Hillbilly Hall, as required by law, provides the following notification that it is in violation of the Total Coliform Rule by exceeding the maximum contaminant level (MCL) for Total Coliform bacteria during the third calendar quarter of 2000.

The United States Environmental Protection Agency (USEPA) sets drinking water standards and has determined that the presence of total coliform bacteria is a possible health concern. Total coliform bacteria are common in the environmental and are generally not harmful themselves. The presence of these bacteria in drinking water, however, generally is a result of a problem with the water treatment or the pipes that distribute the water, and indicates that the water may be contaminated with organisms that can cause disease. Disease symptoms may include diarrhea, cramps, nausea, and possibly jaundice, and any associated headaches and fatigue. These symptoms, however, are not just associated with disease-causing organisms in drinking water, but may be caused by a number of factors other than your drinking water.

The USEPA has set an enforceable drinking water standard for total coliform bacteria to reduce the risk of these adverse health effects. Drinking water that meets this standard is usually not associated with a health risk from disease causing-bacteria and should be considered safe.

If you have any questions regarding this notice, please contact the person named below whom has been designated to answer any questions concerning this notice.

Name: _____

Telephone No. _____

HOPEWELL TOWNSHIP HEALTH DEPARTMENT
201 Washington Crossing Pennington Rd.
Titusville, New Jersey 08560-2410

PERMIT TO DRILL WELL VALID ONLY AFTER APPROVAL BY THE D.E.P.

Owner Hill Billy Hall (Chas. Mignella) Driller Hawkins Well And Pump
Address R.D. Wertsville Rd. Address 3220 Hwy. 22
Hopewell, N.J. 08525 Somerville, N.J. 08876

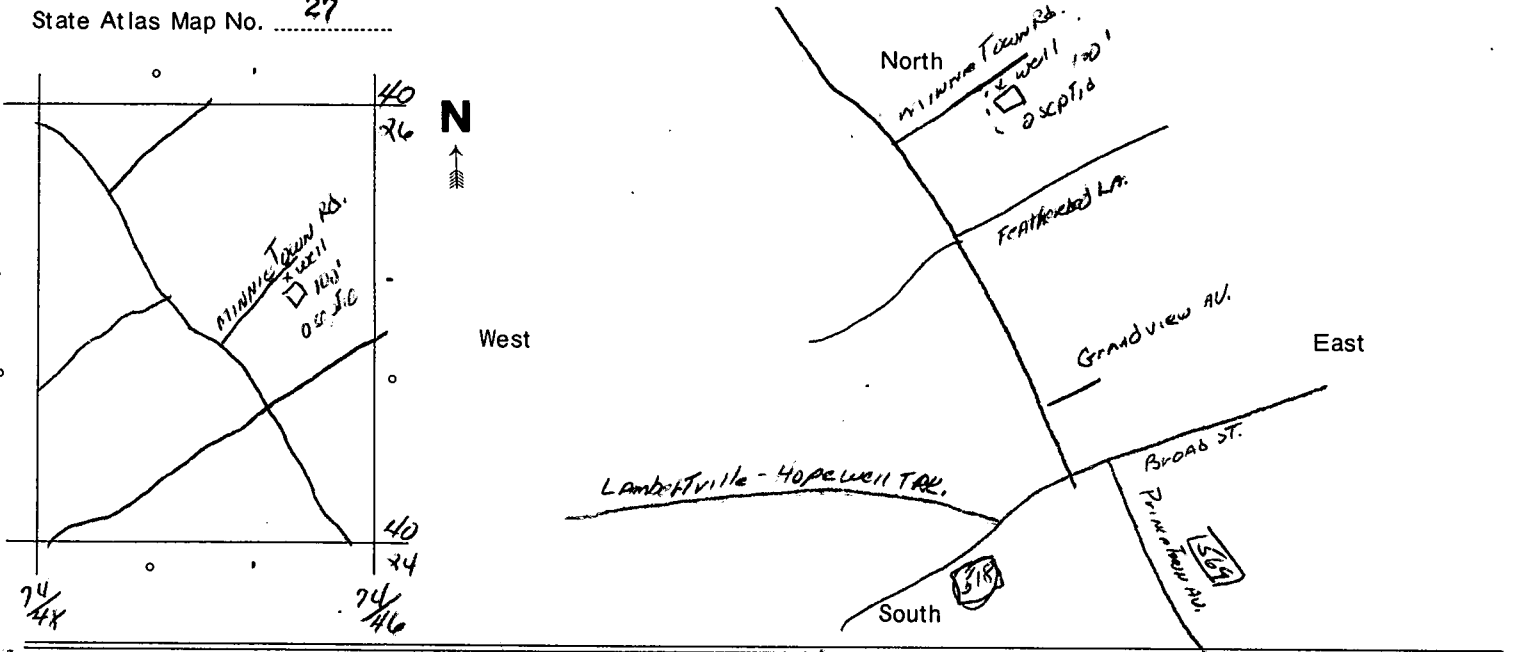
diameter of well 6 inches	proposed depth of well 250 feet	proposed capacity of pump 10 G.P.M.
method of drilling rotary (cable-tool, rotary, jet, etc.)		use of well domestic (semi-public, domestic, industrial, public-supply, test, etc.)

LOCATION OF WELL

lot # <u>4</u>	block # <u>2</u>	municipality <u>Hopewell</u>	county <u>Mercer</u>
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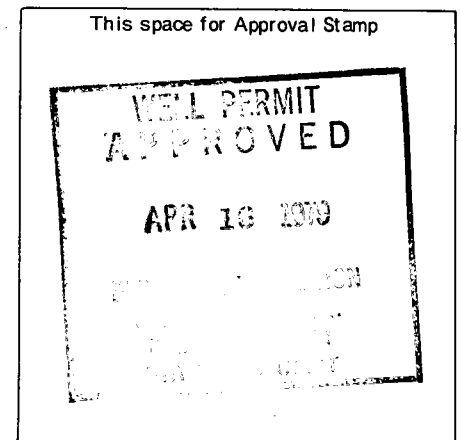
Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 27



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- ☐ Permit issued in accordance with provisions of letter of transmittal dated _____.
- ☐ It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- ☐ Samples of cuttings required every _____ feet.
- ☐ _____



In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above

Date _____

Signature of Owner Chas. Mignella

Application must be accompanied by a legal fee of five dollars (\$5.00).

Make Checks Payable to BUREAU OF GEOLOGY & TOPOGRAPHY

In accepting this permit the Owner agrees to abide by the following terms and conditions:

1. This permit conveys no rights, either expressed or implied, to divert water.
2. If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Division of Water Resources.
3. In the event this well is abandoned, the Owner will assume full responsibility for filling and sealing it in a manner satisfactory to the Division, in accordance with provisions of R. S. 58:4A-4.1.
4. This permit will be valid for one year from date of approval.
5. If this well is to be used for domestic or semi-public supply it must be constructed in accordance with provisions of "Standards for the Construction of Water Supply Systems for Realty Improvements (Revised 1966)" and be approved by the local Board of Health.

OWNER/DEVELOPER

Migovilla

BLOCK

2

LOCATION

Hopewell - Westville Rd

LOT

4/

ENGINEER

Arnold Ryden

INSPECTOR

20

DATE OF LOG

4/29/87

DATE OF PERC

DEPTH OF GROUND WATER

SOIL LOG

LOCATION: SOIL LOG & PERC TESTS

Deep clay, severe mottling,

water approx in the 60 → 80" range

Glial

HOLE #

HOLE #.

[illegible]

RATE:

[illegible]

RATE:

[illegible][illegible]

Very Stony Land

Three types of Very stony land were mapped in the county. These land types are made up of small areas of soils intermingled with rounded boulders of rock.

Very stony land, Mount Lucas and Neshaminy materials, 0 to 12 percent slopes (VmC).—This land type con-

sists of areas of Neshaminy and of Mount Lucas soils on which there are rounded boulders of diabase, more than 2½ inches in diameter, that cover 50 to 90 percent of the surface. Between the boulders, the Neshaminy soil is well drained and the Mount Lucas soil is somewhat poorly drained. Included in mapping were some spots of very stony Watchung soils. The Watchung soils are poorly drained and are wet much of the time.

Most areas of this land type are wooded, and they can be used best as woodland. Their use as pasture is extremely limited because boulders make seeding, mowing, and fencing extremely difficult and not economically feasible. The requirements for woodland management include selective cutting and protection from fire and grazing. (Capability unit VIIIs-67; woodland group 2w1)

Very stony land, Neshaminy material, 12 to 30 percent slopes (VnE).—Rounded boulders of diabase that are more than 2½ inches in diameter cover 50 to 90 percent of the surface of this land type. Between the boulders the soil is similar to Neshaminy silt loam of comparable slope.

Boulders and moderately steep slopes limit the use of this land type. Woodland is a good use. (Capability unit VIIIs-67; woodland group 3r1)

Very stony land, Watchung material (Vw).—This land type consists of gently sloping, poorly drained soil materials on which there are rounded boulders of diabase, more than 2½ inches in diameter, that cover 50 to 90 percent of the surface. Slopes range from 0 to 3 percent. The boulders are so numerous that the land cannot be developed economically for use as pasture. Drainage, seeding, mowing, and fencing of pastures generally are not feasible.

Nearly all of this land type is used as woodland, and that is a good use for it. Wetness limits severely the times that this land can be crossed with machines. The only trees and shrubs that can be grown are those that are suited to the wet sites. (Capability unit VIIIs-90; woodland group 2w1)

Route 546 Titusville, N.J. 08560

SOIL TEST PERMIT APPLICATION

Mailing Address _____

PRINCETON JCT, N.J.

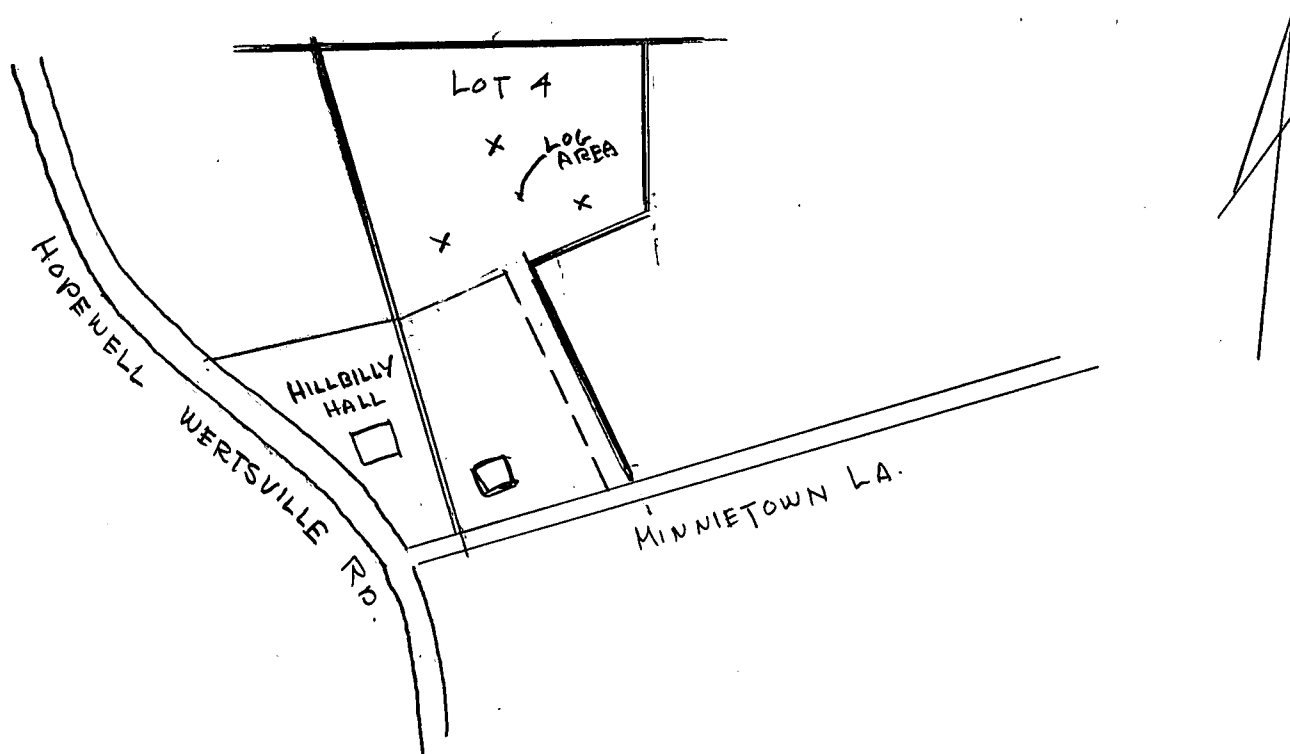
MINNIETOWN LA

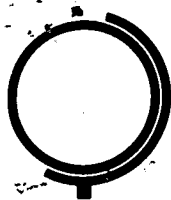
Application and Fees must be received prior to scheduled dates.

Complete Soils Testing	\$75/day x <u>1</u> days = \$ <u>100.00</u>	
Percolation Test Only	\$40/day/Lot	Office Use
Soil Log Only	\$100 \$35/Soil Log	Fee \$ <u>100.00</u> Received <u>4-30-87</u> Permit # <u>10975</u>

Mercer County Soil Conservation Survey Informational Data				
Soil Type	Depth to Ground Water	Depth to Bed Rock	Limitation Rating	Drainage
VmC				
cdB	1-1½	3-5	SEVERE	SLOW PERMEABILITY

Including: proposed Test Locations, proposed Lot Lines, access Routes to Sites if not adjacent to approved Roadway.

[illegible]



WATER WELL RECORD

Completed record must be returned 60 days after completion of well
(NJSA 58:4A-14 - 15)

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

COUNTY		TOWNSHIP, BOROUGH, CITY,	LOT	BLOCK	PERMIT NO.
Hopewell Mercer		Hopewell	4	2	27-6668
OWNER (LAST NAME FIRST)		ADDRESS			DATE COMPLETED
Hall Billy Hall Corp.		Wertsville, Rd., Hopewell, N.J. 08525			DAY 25 MO. 4 YR. 79

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible]

LOG?

YES ☒ NO ☐

TYPE(S)

DATE _____

PERFORMED BY
driller

CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6	☒ STEEL ☐ PLASTIC ☐ OTHER ☐ OPEN HOLE	.280	0	50
	☐ STEEL ☐ PLASTIC ☐ OTHER ☐ OPEN HOLE			
	☐ STEEL ☐ PLASTIC ☐ OTHER ☐ OPEN HOLE			
BOREHOLE RECORD				

SCREEN	SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
		INCHES	FEET
	MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	FEET

SEIVE ANALYSIS YES ☐ NO ☐
GRAVEL PACK YES ☐ NO ☐ SIZE

PLUGGING & SEALING RECORD

DEPTH SET AT - FEET		MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM	TO	
0	50	cement grouting

LOCATION OF WELL **piless**

DISTANCE OUT FROM BLDG. _____ FT.												
OFFSET RIGHT _____ FT.	LEFT _____ FT. FROM SIDES OF BLDG.											
PUMP INSTALLER <u>Hawkins Well And pump</u>												
DATE OF INSTALLATION <u>4-79</u>												
TYPE OF PUMPING EQUIPMENT	JET SUB. TURB. CENT. OTHER											
CASING FINISH	WELL SEAL ☒ PITLESS ☒ DIRECT											
DEPTH FROM F.G. _____												
OTHER _____												
PUMP INTAKE DEPTH _____ FT.	DIRECT											
DECTOR TUBE DEPTH _____ FT.												
PUMP INSTALLATION	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">PUMP</td> <td>MFG. <u>Sta-Rite</u></td> <td>MODEL _____</td> </tr> <tr> <td>CAPACITY <u>10</u> <u>4</u> GPH/GPM</td> <td>PRESS RANGE _____ PSI</td> </tr> <tr> <td>TURBINE COL. LENGTH _____</td> <td>BOWL DIAM. _____ RPM</td> </tr> <tr> <td>POWER ELECTRIC ☒ H.P.Q. _____ VOLTS <u>220</u> AMPS</td> <td></td> </tr> <tr> <td>SOURCE _____ ENGINE _____ CONT. H.P. <u>1/2</u> RPM <u>3450</u> TYPE _____</td> <td></td> </tr> </table>	PUMP	MFG. <u>Sta-Rite</u>	MODEL _____	CAPACITY <u>10</u> <u>4</u> GPH/GPM	PRESS RANGE _____ PSI	TURBINE COL. LENGTH _____	BOWL DIAM. _____ RPM	POWER ELECTRIC ☒ H.P.Q. _____ VOLTS <u>220</u> AMPS		SOURCE _____ ENGINE _____ CONT. H.P. <u>1/2</u> RPM <u>3450</u> TYPE _____	
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			TURBINE COL. LENGTH _____	BOWL DIAM. _____ RPM								
			POWER ELECTRIC ☒ H.P.Q. _____ VOLTS <u>220</u> AMPS									
SOURCE _____ ENGINE _____ CONT. H.P. <u>1/2</u> RPM <u>3450</u> TYPE _____												
METER: TYPE <u>425</u> SIZE _____												
STORAGE - _____ GAL. OR TANK TYPE <u>non-Aire</u>												
WATER TREATMENT _____												
DRILLERS REMARKS: _____												

PUMPING TEST	PUMPING TEST METHOD ☒ AIRLIFT ☐ PUMP ☐ BAILER		PUMPING RATE 5 G.P.M.		DURATION OF PUMPING 1 1/2 HOURS _____ MINS.	
	STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING ☐ PUMPING ☐ RECOVERY			
		200	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
	FEET	FEET	FEET	FEET	FEET	FEET
	IF FLOWING, GIVE RATE		PUMP INTAKE SET AT		WATER AT END OF TEST	
	G.P.M.		FEET		☐ CLEAR ☐ CLOUDY	
	RECOMMENDED PUMP TYPE ☐ SHALLOW ☒ DEEP		RECOMMENDED PUMP SETTING		RECOMMENDED PUMPING RATE	
				G.P.M.		
TRANSMISSIBILITY PLOT YES ☐ NO ☐						

FINAL
STATUS
OF WELL

☒ WATER SUPPLY	☐ ABANDONED, INSUFFICIENT SUPPLY
☐ OBSERVATION WELL	☐ ABANDONED, POOR QUALITY
☐ TEST HOLE	☐ UNFINISHED
☐ RECHARGE WELL	

WATER USE

☒ DOMESTIC	☐ COMMERCIAL
☐ STOCK	☐ MUNICIPAL
☐ IRRIGATION	☐ PUBLIC SUPPLY
☐ INDUSTRIAL	☐ COOLING OR AIR CONDITIONING
☐ OTHER	☐ NOT USED

METHOD OF DRILLING

☐ CABLE TOOL	☐ BORING
☐ ROTARY (CONVENTIONAL)	☐ DIAMOND
☐ ROTARY (REVERSE)	
☒ ROTARY (AIR)	☐ DRIVING
☐ AIR PERCUSSION	

CONTRACTOR	NAME OF WELL CONTRACTOR		PHONE
	Hawkins "elland pump		685-1010
	ADDRESS		
	3220 hwy.22, omerville,N.J.08876		
	NAME OF DRILLER		LICENSE NUMBER
	Hawkins/Helland/pump C.M.Gizinski		597
	SIGNATURE OF CONTRACTOR		SUBMISSION DATE
	B. Hawkins		DAY _____ MO. 5 YR. 70

WATER ANALYSIS		(ppm)
ALK		NITRATE
IRON (Fe)		CHLORIDES
CO ₂		SULFATE
HARDNESS		pH
MN		T.D.S.
ANIONIC (ABS & LAS)		OTHER:
COLLIFORM COUNT		
TEMPERATURE	°F	°C



(215) 673-4900
355-3900

QUALITY CONTROL LABORATORY DIVISION

1205 Industrial Highway, Southampton, PA 18966

E. W. Cook, V.M.D.
A. F. Zimmermann

- Hopewell Township
c/o Treasurer
Scotch Rd.
Titusville, NJ 08560

BACTERIOLOGICAL WATER ANALYSIS REPORT

date sampled 6/12/79
date tested 6/13/79
date reported 6/19/79
sampled by CB
frequency _____
copies to ✓ Hopewell Twp. - 2

RE: Recheck

SAMPLE	Standard Plate Count per ml	Total Coliform Count per 100 ml MPN	Fecal Coliform Count per 100 ml MPN	Residual Chlorine mg/l	Residual Bromine mg/l	pH	Results
Charles Mignella Minnietown La. Bl. 2, Lot 4, Pg. 1	340	C					SD

- * SD Safe for drinking use: meets EPA bacteriological standards
- NSD not safe for drinking use: evidence of contamination
- SS safe swimming pool bacteriological qualities
- NSS unsafe swimming pool bacteriological qualities
- C swimming pool chlorine residual low: should be over 0.4
- B swimming pool bromine residual low: should be over 1.0
- P swimming pool pH low: should be 7.2-8.2
- W within fecal coliform standard for a bathing beach
- NW not within fecal coliform standard for a bathing beach

Q C INC.



(215) 673-4900
355-3900

QUALITY CONTROL LABORATORY DIVISION

1205 Industrial Highway, Southampton, PA 18966

E. W. Cook, V.M.D.
A. F. Zimmermann

- Hopewell Township
c/o Treasurer
Scotch Rd.
Titusville, NJ 08560

BACTERIOLOGICAL WATER ANALYSIS REPORT

date sampled 5/22/79
date tested 5/23/79
date reported 5/30/79
sampled by CB
frequency 1
copies to Hopewell Twp.

SAMPLE	Standard Plate Count per ml	Total Coliform Count per 100 ml MPN	Fecal Coliform Count per 100 ml MPN	Residual Chlorine mg/l	Residual Bromine mg/l	pH	Results
Charles Mignella Minnietown La. Bl. 2, Lot 4	1400	5					NSD

- * SD Safe for drinking use: meets EPA bacteriological standards
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Q C INC:

Carl W. Cook VMD