

INTERPRETIVE LOG OF TEST HOLE RC 15-2
 BASED ON GAMMA RAY LOG BY DGS,
 2 CORES, AND AUGER RETURNS FROM TOP AND
 BOTTOM OF HOLE.

Described by R. H. Johnston

DEPTH (FEET)

0 - 42	Sand, tan, fine-grained, some medium-grained, silty. Probably fair to poor aquifer
42 - 112	Sand with thin gravel lenses, orange-brown, fine to coarse-grained, mostly medium sand, silty, pebbles to $\frac{1}{2}$ " in gravel lenses, probably good aquifer
112 - 115	Clay bed?
115 - 154	Sand, brown, medium to coarse-grained, well sorted, probably excellent aquifer. Base of Pleistocene is at 154 ft per gamma log
154 - 180	Sand, gray to brownish-gray, fine-grained, not silty or clayey but probably contains clayey and silty beds per gamma log Miocene?

Base of Pleistocene:	+ 48 ft	L.S. Elevation
	-154	Depth to base of Pleistocene
	-106	Elevation of base of Pleistocene below MSL.

Saturated Thickness:	154 ft	Thickness of Pleistocene
	- 6	Depth to static water level
	148 ft	Saturated thickness of Pleistocene aquifer

WELL SCHEDULE

U. S. DEPT. OF INTERIOR GEOLOGICAL SURVEY WATER RESOURCES DIVISION

MASTER CARD

Record by RHJ Source of data FIELD OBS Date 4/26/72 Map DELMAR 7 1/2 MIN. QUAD

State DEL. County SUSSEX

Latitude: _____ Longitude: _____ Sequential number: _____

Local well number: _____ Other number: _____

Local use: _____ Owner or name: _____ Address: DOVER, DEL.

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist

Use of well: Air cond, Bottling, Comm, Dwatwr, Power, Fire, Dom, Irr, Mnd, Ind, P & S, Rec, Stock, Inact, Dosed, Repressure, Recharge, Desal-P S, Desal-other, Other UNUSED

Use of well: Anode, Drain, Geoterm, Heat Res, Che, Oil-gas, Recharge, Test, Dosed, Withdraw, Waste, Destroyed

DATA AVAILABLE: Well data Free. W/L meas.: 01-NOVEMBER MONTHLY Field equip char.

Sp. lab. data: _____

Qual. water data: Type: _____

Freq. sampling: _____ Pumpage inventory: no. period: _____

Aperture cards: _____

Log data: GEOLOGICAL LOG & GAMMA RAY LOG (DN)

WELL-DESCRIPTION CARD

Same as on Master Card Depth well: 125 ft. 0.1 accuracy

Depth casing: 8.5 ft. Casing type: STEEL Dim: 2 in.

Finish: porous gravel w. gravel, hils., open, screen, ed. pt., shored, open, concrete (parf.), (acregan), gallery, ehd., hole, other

Method Drilled: air bore, cable, dug, hyd jetted, air rot., percussion, rotary, reverse cranching, driven, drive wash, other

Date Drilled: 4/26/72 Pump intake setting: _____ ft.

Driller: BORIS BILAS DEL. GEOLOGICAL SURVEY

Use: air, bucket, cont. jet, multiple, pump, piston, rot., submers, turb., other

Power: diesel, elec, gas, gasoline, hand, gas, wind, M.E.

Descrip. No: TOP OF CASING ON 2" C.S.G. Alt. No: _____

Alt. L&D: 48 Accuracy: 7 1/2 MIN. QUAD

Water Level: 5.90 Accuracy: 0.01 FT

Date Meas: 4/26/72 Yield: _____ Method: detached

Breakdown: _____ Accuracy: _____

QUALITY OF WATER DATA: Iron _____ Sulfate _____ Chloride _____ Hard. _____

Sp. Conduct: _____ Temp. _____ Date sampled: _____

Taste, color, etc. _____

HYDROGEOLOGIC CARD

Same as on Master Card Physiographic Province: ATLANTIC COASTAL PLAIN Section: _____

Basin: MANTICORE RIVER Subbasin: MEADOW BRANCH

Type of depression, stream channel, dune, flat, hilltop, sink, swamp, offshore, pediment, hillside, terrace, undulating, valley flat

MAJOR AQUIFER: QUAT. PLEIST PLEISTOCENE AQUIFER

Lithology: SAND Origin: _____ Aquifer thickness: 154 ft.

Length of well open to: 4 ft. Depth to top of: _____

MAJOR AQUIFER: _____ system series _____ aquifer, formation, group _____

Lithology: _____ Origin: _____ Aquifer thickness: _____

Length of well open to: _____ ft. Depth to top of: _____

Intervala screened: 8.5 TO 125 FT.

Depth to consolidated rock: _____ ft. Source of data: _____

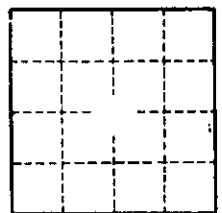
Depth to basement: _____ ft. Source of data: _____

Surficial material: _____ Infiltration characteristics: _____

Coefficient of storage: _____

Coefficient of permeability: _____

TEST HOLE DRILLED TO 181 FT,
2 FEET AWAY FROM OBS. WELL.



LOCATED ON STATE ROAD #503B
1000 FT. EAST OF MEADOW BRANCH
GAGING STATION. (1-4579.00) AND
ABOUT 2 MILES NORTH OF DELMAR, DEL.

RC 15-2

RC 15-2