

DELAWARE GEOLOGICAL SURVEY WELL SCHEDULE

DGS ID Lg 41-08 DNREC Id 49476

Record By K. RAMSEY J. TALLEY (code)

Date Filed 08-07-82

GENERAL SITE DATA

Data Source D G N O R S U
driller DGS DNREC owner other reported USGS unknown

Local Id _____ DRBC Id _____

Latitude 38.5610

Longitude 75.1908

Lat-Long Accuracy S F T W
sec 5 sec 10 sec 20 sec

County 1 3 5
Kent New Castle Sussex

Quadrangle MISPELLION RIVER MIR (code)

Topo Setting C D E F H K L M O S U V
stream channel depression dune flat hilltop sink lake marsh offshore hillside upland draw valley flat

Drainage Basin CEDAR CREEK 3.01 (code)

Altitude 5.0

Altitude Method A L M R
altimeter level map relative

Delaware Mod. Grid 16201560

Lg41-08



OWNER IDENTIFICATION

First SLAUGHTER BEACH Middle Initial _____ Last WATER CO

Address _____ 963 SLAUBW (code)

Address _____

City _____ State _____ Zip Code _____

WELL DESCRIPTION

Drilling Contractor PAUL WHITE 000000001 (code)

Date Drilled 03-22-82 Depth Drilled 263.0

Drill Method A B C D E J M P R U V W
air rotary bored cable tool dug augered jetted hydraulic rotary air percussion reverse rotary unknown driven wash-drive

Well Finish C H N O P S T U W
concrete horizontal gallery not finished open hole perforated or slotted screen sand point unknown walled

Site Use: A E G O P R T **W** Z
 anode eng. test geo/hydro observation oil or recharge test withdrawal other
 boring research gas

Site Status: A D **I** N S U
 abandoned destroyed in use not in standby unknown
 use

Water Use: A C D F G I M O **P** R U
 agricultural commercial domestic fire geothermal industrial observation other public irrigation unknown
 supply

Replacement Well: Y N

Replacement Reason: CL FE IW NI OT WF
 chlorides iron inadequate nitrate other well
 quantity failure

Geologic Unit: [] [] (code)

Aquifer Name: [] (code)

CASING

	top of casing	bottom of casing	diameter	material
1	[]	[228]	[6.0]	[P]
2	[]	[]	[]	[]
3	[]	[]	[]	[]
4	[]	[]	[]	[]

Casing Material: B C F G O P R S U
 brick concrete fiber-galvanized other PVC rock or steel unknown
 glass stone

OPENINGS

	top of opening	bottom of opening	diameter	material
1	[228]	[251]	[6]	[P]
2	[]	[]	[]	[]
3	[]	[]	[]	[]
4	[]	[]	[]	[]

Opening Material: A B C F G M N P R S U
 brass bronze concrete fiber-galvanized monel none PVC stainless steel unknown
 glass steel

200 ✓

DELAWARE GEOLOGICAL SURVEY GEOPHYSICAL LOG SCHEDULE

DGS ID Lg 41-018

Record By _____

BWB
(code)

Date Filed 05-20-92

GEOPHYSICAL LOG DATA

Date Logged 04-02-82 04-02-82 04-02-82 _____

Log Type GAM GGL GRS _____

Log Source G R S U G R S U G R S U G R S U
DGS Other USGS Unknown DGS Other USGS Unknown DGS Other USGS Unknown DGS Other USGS Unknown

Log Start _____ 5 _____ 10 _____ 5 _____

Log Stop _____ 246 _____ 247 _____ 215 _____

Measuring Point GS KB O TC GS KB O TC GS KB O TC GS KB O TC
Grd. Sfc. Kelly Bushing Other Top Casing Grd. Sfc. Kelly Bushing Other Top Casing Grd. Sfc. Kelly Bushing Other Top Casing Grd. Sfc. Kelly Bushing Other Top Casing

Correction 0.0 0.0 0.0 _____

Digitized

LOG TYPES

- | | | | |
|---------------------------------|----------------------|----------------------------|--------------------------|
| CAL - Caliper | GAM - Gamma | MPE - Multiple Point Elec. | SPE - Single Point Elec. |
| DFT - Differential Temperature | GGL - Gamma Density | NEU - Neutron | TEM - Temperature |
| DSP - Differential Single Point | GRS - Gamma Spectral | SFL - Spherically Focused | OTH - Other |
| FLO - Flowmeter | IND - Induction | SON - Sonic | |

NOTES

Not sure what I.S. means for
measuring point, so the 'other'
category was used (BWB)

WELL SCHEDULE

DGS No. Ig 41-8

DNREC No. 49476

Local No. _____

Record by: J. Talley Date Entered 7/7/82

Source of Data driller

Owner _____ * _____ Address _____

Driller White Dr. Corp Date Drilled 3/22/82

Depth Drilled 263 ft. Casing Diam. 6"

Casing Depth 228 Casing Type PVC

Screen Setting(s) 228-251 Formation _____

Static water lev. 3½ ft. on 3/1982 ~~above~~ below 1s

Pump water lev. 60 ft. on 3/1982 ~~above~~ below 1s

after 4 hrs. pumping at 100 gpm

Specific Capacity _____ Elev. of Well _____

Well use: public supply

Quality: pH _____, Cl _____, Fe _____

Hardness _____, other _____

Other information:

Descriptive log

E-log

Gamma log

Caliper log

Gamma Spectral

Pump test

Cores

Ditch samples

Chem. analysis

Supp. file

Gamma density

Remarks: _____

OWNER* - Slaughter Beach Water Co.

DESCRIPTIVE LOG

DGS No. Lg 41-8 Drilling Method _____ Date Drilled 3/22/82
 Local No. _____ Project _____ Logged by White Drill Cor
 DNREC # 49476

Ditch Samples

Cores

<u>Depth</u>	<u>Lithology</u>	<u>Depth</u>	<u>Lithology</u>
0-2	fill		
2-7	gray sand		
7-15	white sand		
15-71	fine to coarse white yellow and orange sand and gravel with thin layers of silty, sandy white, yellow and orange clay		
71-82	silty, sandy, gray clay		
82-101	fine and coarse yellow sand and gravel with some layers of clay		
101-109	silty gray clay		
109-158	clayey, silty, gray sand		
158-166	very fine to coarse slightly clayey gray sand with shells		
166-198	silty gray clay		
198-225	very fine and fine clayey gray sand		
225-251	very fine to some very coarse gray sand (mostly fine) with shells, clayey		
251-	silty gray clay		

Drilled to 263

GRAVEL PACK

(Y) N

Top 22.0

Bottom 25.1

GROUT

(Y) N

Top 0

Bottom 19.0

DGS ID Lg 41-0.8

Type (B) C G O U
bentonite cement cuttings other unknown

WATER-LEVEL DATA

Date 03-22-82

Time

Water Level -3.5

Correction

Device Used A M O R (S) T W
air line m-scope other reported static level tape down water-level recorder

LOG, TEST, AND SAMPLE DATA

Geologist's Log

Water Quality

Ditch Samples

Driller's Log X

Supplemental File

Core Samples

Aquifer Test

GEOPHYSICAL LOG DATA

Caliper

Gamma-Density X

Single Point Electric

Differential Single Point

Gamma Spectral X

Sonic

Differential Temperature

Induction

Spherically Focused

Flowmeter

Multiple Point

Temperature

Gamma X

Neutron

Other

Date Filed

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NOTES

LOCATION MAP