Site 4

Lithologic Log of Well PB-1598

Lat 26°28'05", long 80°10'16"
Sec. 16, T. 46 S., R. 42 E.

Description	Thickness (feet)	Depth, feet below land surface
Sand, brownish-black (5 YR 2/1); quartzose, medium to fine, moderately sorted, angular to subrounded; about 20 to 30 percent organic mud and debris.	4	0 - 4
Sand, dusky-yellowish-brown (10 YR 2/2); quartzose as above; 30 to 40 percent organic mud and debris.	3	4 - 7
Sand, dusky-brown (5 YR 3/2); as in 0 to 4 feet.	3	7 - 10
Sand, dark-yellowish-brown (10 YR 4/2); quartzose as above; about 10 to 20 percent organic mud.	4	10 - 14
Sand, moderate-yellowish-brown (10 YR 5/4); quartzose as above; about 20 to 30 percent organic mud.	3	14 - 17
Sand, dark-yellowish-brown (10 YR 4/2); quartzose, coarse to fine, poorly sorted, angular to subrounded; about 30 percent organic mud.	3	17 - 20
Sand as above; about 1 percent heavy minerals, fine to very fine, subangular to rounded.	4	20 - 24
Sand, brownish-black (5 YR 2/1); quartzose as above; about 30 to 40 percent organic mud.	3	24 - 27
Sand as above; about 1 percent heavy minerals, fine to very fine, subangular to rounded.	3	27 - 30
Sand as above.	4	30 - 34
Organic mud, brownish-black (5 YR 2/1); about 40 percent quartzose, coarse to fine, poorly sorted, angular to subrounded; 1 to 3 percent heavy minerals as above.	3	34 - 37
Organic mud as above.	3	37 - 40
Sand, very light gray (N 8) to dark-yellowish-brown (10 YR 4/2); quartzose as above; 1 to 3 percent heavy minerals as above; about 30 percent organic mud.	4	40 - 44
Sand, dark-yellowish-brown (10 YR 4/2); quartzose as above; about 30 to 40 percent organic mud.	3	44 - 47

Lithologic Log of Well PB-1598--Continued

Description	Thickness (feet)	Depth, feet below land surface
Sand as above.	3	47 - 50
Sand, dark-yellowish-brown (10 YR 2); quartzose, coarse to fine, moderately sorted, angular to subrounded; 1 to 3 percent heavy minerals, fine to very fine, subangular to rounded; 30 to 40 percent organic mud.	4	50 - 54
Sand, pale-yellowish-brown (10 YR 6/2); quartzose as above; 1 to 3 percent minerals as above; 10 to 20 percent organic mud.	3	54 - 57
Sand, pale-yellowish-brown (10 YR 6/2); quartzose, medium to fine, moderately sorted, angular to subrounded; about 3 percent heavy minerals as above; about 10 percent organic mud.	3	57 - 60
Sand as above.	4	60 - 64
Sand as above.	3	64 - 67
Sand, very light gray (N 8); quartzose, medium to fine, moderately to well sorted, angular to subrounded; 1 to 3 percent heavy minerals, fine to very fine, well sorted, subangular to rounded; about 3 to 5 percent mud; about 1 percent reddish-yellow iron stain, coating quartz grains.	3	67 - 70
Sand, dark-yellowish-brown (10 YR 4/2) to very light gray (N 8); quartzose, coarse to fine, moderately to poorly sorted, angular to subrounded; 1 to 3 percent heavy minerals as above; about 30 percent organic mud, dusky-yellowish-brown (10 YR 2/2).	4	70 - 74
Sand, pale-yellowish-brown (10 YR 6/2) to very light gray (N 8); quartzose as above; 1 to 3 percent heavy minerals as above; about 10 percent mud.	3	74 - 77
Sand, very light gray (N 8) to dark-yellowish-brown (10 YR 4/2); quartzose, medium to fine, moderately to well sorted, angular to subrounded; 1 to 3 percent heavy minerals as above; about 1 percent yellowish-red iron stain; about 10 percent mud.	3	77 - 80
Sand as above.	4	80 - 84

Lithologic Log of Well PB-1598--Continued

Description	Thickness (feet)	Depth, feet below land surface
Sand, very light gray (N 8) to dark-yellowish-brown (10 YR 4/2); quartzose, medium to fine, moderately sorted, angular to subrounded; 1 to 3 percent heavy minerals, fine to very fine, moderately to well sorted, subangular to rounded; 10 to 20 percent mud.	3	84 - 87
Sand, dark-yellowish-brown (10 YR 4/2); quartzose, coarse to fine, moderately to poorly sorted, angular to rounded; 1 to 3 percent heavy minerals as above; 20 to 30 percent mud.	3	87 - 90
Sand, light-olive-gray (5 Y 6/1) to pale-yellowish-brown (10 YR 6/2); as above; about 3 percent sandstone nodules, mud matrix, iron stained.	4	90 - 94
Sand, light-olive-gray (5 Y 6/1); quartozse, medium to fine, moderately sorted, angular to subrounded; 10 percent heavy minerals and phosphates, medium to fine, well sorted, angular to rounded; about 20 percent mud; about 3 to 5 percent sandstone nodules as above.	3	94 - 97
Sand, olive-gray (5 Y 4/1); as above; 20 percent heavy minerals and phoshates as above; about 10 to 20 percent mud.	3	97 - 100
Limestone, medium-gray (N 5); sandy, intraclast bearing biosparite, allochems subrounded to rounded and abraded; about 30 percent quartz, medium to fine, angular to subrounded; 10 percent heavy minerals, medium to fine, rounded to subangular; moderately cemented; very porous; interbedded with about 30 percent sand; quartzose, coarse to fine, moderate sorting, angular to rounded; 10 to 20 percent heavy minerals and phosphates, medium to very fine, poorly sorted, subangular to rounded; 20 percent detrital carbonates and shell pieces, abraded.	4	100 - 104
Limestone, medium-gray (N 5); sandy, sparse biosparite, allochems very abraded; 20 to 30 percent quartz, coarse to fine, angular to subrounded; 5 to 10 percent heavy minerals and phosphates, coarse to very fine, angular to rounded; moderately to well cemented; very porous.	3	104 - 107

Lithologic Log of Well PB-1598--Continued

Description	Thickness (feet)	Depth, feet below land surface
Sand and gravel, light-gray (N 7); quartzose, coarse to fine, poorly sorted, angular to subrounded; about 10 percent heavy minerals, medium to very fine, moderately sorted, subangular to rounded; 40 to 50 percent detrital carbonates and shell pieces, very abraded; interbedded with 40 percent limestone gravel, as above.	3	107 - 110
Limestone, medium-light-gray (N 6) as in 104 to 107 feet.	4	110 - 114
Limestone as above; moderately cemented; interbedded with about 30 to 40 percent sand; about 30 percent quartzose, coarse to fine, moderately sorted, angular to subrounded; 10 to 20 percent heavy minerals and phosphates, medium to fine, moderately to well sorted, subangular to rounded; 5 to 10 percent mud (dark-yellowish-brown); detrital carbonates and shell pieces, very abraded.	3	114 - 117
Limestone, medium-gray (N 5); sandy, sparse biosparite, allochems abraded; about 30 percent quartz, coase to fine, poorly sorted, angular to subrounded; about 10 percent heavy minerals, medium to fine, moderately sorted, subrounded to rounded; moderately cemented; very porous.	3	117 - 120
Limestone as above; moderately to well cemented.	4	120 - 124
Limestone, light-gray (N 7); sandy, sparse biosparite, abraded allochems; 20 to 30 percent quartz, coarse to fine, poorly sorted, angular to rounded; 10 percent heavy minerals, medium to fine, well sorted, subrounded to rounded; moderately cemented; very porous; interbedded with about 30 percent sand; 10 to 20 percent quartzose, medium to very fine, moderately sorted, angular to subrounded; 10 to 20 percent heavy minerals, medium to very fine, moderately sorted, subangular to rounded; detrital carbonates and shell fragments, bivalves, barnacles, bryozoans, abraded.	3	124 - 127
Limestone, medium-gray (N 5); sandy, sparse biosparite, bivalvia; about 25 percent quartz, medium to fine, moderately sorted, angular to subrounded; 10 percent heavy minerals, medium to fine, well sorted, subrounded to rounded; moderately to well cemented; good porosity; moldic, vugs.	3	127 - 130

Lithologic Log of Well PB-1598--Continued

Description	Thickness (feet)	Depth, feet below land surface
Limestone, medium-gray (N 5) to dark-yellowish-brown (10 YR 4/2); as above; about 5 to 10 percent yellowish-brown mud, silt size.	4	130 - 134
Limestone as in 127 to 130 feet with about 3 percent iron stain.	3	134 - 137
Limestone as in 130 to 134 feet.	3	137 - 140
Limestone, medium-light-gray (N 7); sandy, sparse biosparite, bivalvia, barnacles; 25 percent quartz, medium to fine, moderately sorted, angular to subrounded; about 10 percent heavy minerals, medium to very fine, moderately to poorly sorted, subrounded to rounded; moderately cemented; good porosity; moldic.	4	140 - 144
Limestone as above, with about 5 percent yellowish-brown iron stain, silt size.	3	144 - 147
Limestone as above.	3	147 - 150
Limestone, medium-gray (N 5); sandy, sparse biosparite; 20 to 30 percent quartz, medium to fine, moderately sorted, angular to subrounded; 10 to 20 percent heavy minerals, medium to very fine, moderately to poorly sorted, subrounded to rounded; loosely cemented and gravel size; good porosity; interbedded with about 10 to 20 percent sand; quartzose, medium to fine, moderately to well sorted, angular to subrounded; 10 to 20 percent heavy minerals, medium to fine, moderately sorted, subangular to rounded; 30 to 40 percent detrital carbonates and shell pieces, very abraded.	4	150 - 154
Limestone, light-gray (N 7); as above; about 20 percent quartz; very moldic; moderately cemented; good porosity; interbedded with about 30 percent sand; quartzose, medium to very fine, poorly sorted, angular to subrounded; 20 percent heavy minerals, medium to very fine, poorly sorted, subangular to rounded; about 5 percent mud (apparently from iron sulfides); about 30 to 40 percent detrital carbonates and shell fragments, very abraded, Olivella, echinoid plates and spines, bivalvia, barnacles.	3	154 - 157

Lithologic Log of Well PB-1598--Continued

Description	Thickness (feet)	Depth, feet below land surface
Limestone, medium-light-gray (N 6) to yellowish-gray (5 Y 8/1); sandy, sparse biosparite, packed biosparite in places, barnacles, bivalvia, Olivella, very abraded; about 30 percent quartz, medium to very fine, poorly sorted, angular to subrounded; 5 to 10 percent heavy minerals, medium to very fine, poorly sorted, subangular to rounded; well cemented; good porosity, moldic.	3	157 - 160
Limestone, yellowish-gray (5 Y 8/1) to light-gray (N 7); sandy, sparse biosparite; 30 percent quartz, medium to fine, moderately sorted, angular to subrounded; 10 percent heavy minerals, medium to very fine, moderately sorted, subangular to rounded; moderately cemented; good porosity, moldic; interbedded with about 30 percent sand; quartzose, medium to very fine, moderately sorted, subrounded to angular; 10 to 20 percent heavy minerals, medium to very fine, moderately sorted, subangular to rounded; 30 to 40 percent detrital carbonates and shell fragments, very abraded.	4	160 - 164
Limestone as in 157 to 160 feet.	3	164 - 167
Limestone, yellowish-gray (5 Y 8/1); sandy, sparse biosparite, barnacles, bivalvia, very abraded; about 30 percent quartz, medium to very fine, moderately sorted, angular to subrounded; 5 to 10 percent heavy minerals, medium to very fine, moderately sorted, subangular to rounded; moderately to loosely cemented and gravel size; good porosity; interbedded with 30 to 40 percent sand; quartzose, medium to very fine, moderately sorted, angular to subrounded; 5 to 10 percent heavy minerals, medium to very fine, moderately sorted, subangular to rounded; 30 to 40 percent detrital carbonates and shell fragments, very abraded, echinoid spines.	3	167 - 170
Limestone with sand as above.	4	170 - 174
Limestone with sand as above.	3	174 - 177

Lithologic Log of Well PB-1598--Continued

Description	Thickness (feet)	Depth, feet below land surface
Sand, yellowish-gray (5 Y 8/1); about 30 percent quartzose, medium to very fine, moderately sorted, angular to subangular; 5 to 10 percent heavy minerals, medium to very fine, moderately sorted, subrounded to rounded; detrital carbonates and shell fragments, very abraded, barnacles; interbedded with about 30 percent limestone as above; loosely cemented and gravel.	3	177 - 180
Limestone, yellowish-gray (5 Y 8/1) to light-olive-gray (5 Y 6/1); sandy, sparse biosparite; 20 to 30 percent quartz, medium to very fine, moderately sorted, angular to subangular; 5 to 10 percent heavy minerals, medium to very fine, moderately sorted, subrounded to rounded; moderately to loosely cemented; moderately porous.	4	180 - 184
Sand, light-olive-gray (5 Y 6/1) to yellowish-gray (5 Y 8/1); 20 to 30 percent quartzose, medium to very fine, moderately to well sorted, angular to subangular; 10 percent heavy minerals, medium to very fine, moderately to well sorted, subangular to rounded; detrital carbonates and shell fragments, very abraded, barnacles; interbedded with about 5 to 10 percent limestone as above; very loosely cemented.	3	184 - 187
Sand as above; interbedded with about 30 to 40 percent limestone as in 180 to 184 feet; loosely cemented; moldic, slightly to moderately porous.	3	187 - 190
Sand, yellowish-gray (5 Y 7/2) as in 184 to 187 feet; about 10 to 20 percent limestone as in 184 to 187 feet.	4	190 - 194
Sand, yellowish-gray (5 Y 7/2); about 20 to 30 percent quartzose, medium to very fine, moderately cemented; angular to subrounded; 5 to 10 percent heavy minerals, medium to very fine, subangular to rounded; about 10 percent mud, dark-yellowish-brown; detrital carbonates and shell fragments, very abraded; interbedded with about 30 percent limestone; sandy, sparse biosparite; 20 to 30 percent quartz, medium to very fine, angular to subrounded; 5 to 10 percent heavy minerals, medium to very fine, subangular to rounded; very loosely cemented; moldic, moderately to slightly porous.	3	194 - 197
Sand as above, with about 10 percent silt nodules.	3	197 - 200

Lithologic Log of Well PB-1598--Continued

Description	Thickness (feet)	Depth, feet below land surface
Sand, yellowish-gray (5 Y 7/2) to very light gray (N 8); 20 to 30 percent quartzose, medium to very fine, moderately sorted, angular to subrounded; about 5 percent heavy minerals, medium to very fine, moderately to well sorted, subangular to rounded; about 10 percent silt nodules; detrital carbonates and shell fragments, echinoid plates, barnacles, bivalvia, very abraded; interbedded with about 5 to 10 percent limestone, sandy, sparse biosparite with sparse biomicrite in places; very loosely cemented; moderately to slightly porous.	4	200 - 204
Sand, light-olive-gray (5 Y 6/1) as above, with limestone nodules.	3	204 - 207
Sand as above with about 1 percent iron stain.	3	207 - 210
Sand, yellowish-gray (5 Y 8/1) to very light gray (N 8); quartzose, medium to very fine, moderately to poorly sorted, angular to subrounded; 3 to 5 percent heavy minerals, medium to fine, moderately to well sorted, subangular to rounded; 30 to 40 percent detrital carbonates and shell fragments, echinoid plates, very abraded; about 10 percent dark-yellowish-brown silt coating; loosely cemented limestone, nodules in places.	4	210 - 214
Sand, light-olive-gray (5 Y 6/1) to dark-yellowish-brown (10 YR 4/2); quartzose to fine, poorly sorted, angular to subrounded; about 5 percent heavy minerals, medium to very fine, moderately sorted, subangular to rounded; about 30 to 40 percent detrital carbonates and shell fragments, echinoid plates, very abraded; about 10 to 20 percent dark-yellowish-brown silt coating; about 10 percent limestone rock fragments, sandy, sparse biosparite.	3	214 - 217
Sand, as above.	3	217 - 220
Sand, light-olive-gray (5 Y 6/1); quartzose, medium to very fine, moderately sorted, angular to subangular; 5 to 10 percent heavy minerals and phosphates, medium to fine, moderately to well sorted, subangular to rounded; 30 to 40 percent detrital carbonates and shell fragments, very abraded, echinoid plates, bryozoans, barnacles, bivalves; about 5 to 10 percent silt nodules.	4	220 - 224

Lithologic Log of Well PB-1598--Continued

Description	Thickness (feet)	Depth, feet below land surface
Sand as above.	3	224 - 227
Sand, light-olive-gray (5 Y 5/2); as above with about 5 percent limestone rock fragments, sandy, sparse biosparite.	3	227 - 230
Sand, light-olive-gray (5 Y 6/1); as above.	4	230 - 234
Sand, light-olive-gray (5 Y 6/1); quartzose, coarse to very fine, moderately sorted, angular to subrounded; 5 to 10 percent heavy minerals and phosphates, coarse to fine, moderately sorted, subrounded to rounded; 30 to 40 percent detrital carbonates and shell fragments, as above; 5 to 10 percent silt nodules.	3	234 - 237
Sand as above.	3	237 - 240
Sand, light-olive-gray (5 Y 6/1); as above; interbedded with about 5 to 10 percent limestone; sandy, sparse biomicrite; 20 percent quartz, medium to very fine, angular to subrounded; 5 to 10 percent heavy minerals, medium to very fine, suborunded to rounded; very loosely cemented; slightly porous.	4	240 - 244
Sand, light-olive-gray (5 Y 5/2); quartzose, medium to very fine, moderately to well sorted, angular to subangular; 5 to 10 percent heavy minerals and phosphates, medium to very fine, moderately sorted, subangular to rounded; about 30 percent detrital carbonates and shell fragments, very abraded, echinoid plates, bryozoans; about 10 percent silt and clay; about 10 percent limestone rock fragments, sparse biosparite.	3	244 - 247
Sand as above.	3	247 - 250
Silty sand, grayish-olive (10 Y 4/2); quartzose, medium to very fine, moderately sorted, angular to subangular; about 5 percent heavy minerals and phosphates, medium to very fine, moderately sorted, subangular to rounded; 20 to 30 percent detrital carbonates and shell fragments, very abraded, echinoid plates, and spines; 10 to 20 percent silt and clay.	4	250 - 254
Silty sand as above.	3	254 - 257
Silty sand as above.	3	257 - 260

Lithologic Log of Well PB-1598--Continued

Description	Thickness (feet)	Depth, feet below land surface
Silty sand, grayish-olive (10 Y 4/2); quartzose, medium to very fine, moderately sorted, angular to subrounded; 3 to 5 percent heavy minerals and phosphates as above; 10 to 20 percent detrital carbonates and shell fragments, very abraded, echinoid plates and spines, bivalve fragments; 20 to 30 percent silt and clay.	4	260 - 264
Silty sand as above.	3	264 - 267
Sandy silt, grayish-olive (10 Y 4/2); silt and clay; 20 to 30 percent quartzose, fine to very fine, angular to subangular, well sorted; about 10 percent detrital carbonates and shell fragments as above; 3 to 5 percent heavy minerals and phosphates as above.	3	267 - 270

PB - 1598

FORM NO 9-1904-A

SITE NO. 26 28 05 080 1016.01

U.S. DEPT. OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
GROUND WATER SITE INVENTORY
SITE SCHEDULE

Recorded by R. Kane

Date 1-23-87

Check One ✓ English ___ Metric Units

GENERAL SITE DATA (0)

Site Ident No. 262805080101601 (5 ... 19)

RG Number R = 0 *

Transaction T = (A) D M V * (add, delete, modify, verified)

Site-Type 2 = C D H I M P T (W) * (collector, drain, sinkhole, connector, multiple well, pond, tunnel or shaft, well)

Data Reliability 3 = (C) U L M * (field checked, unchecked, location not accurate, minimal data)

Reporting Agency 4 = USGS *

Project No. 5 32500.01 *

District 6 = 12 *

State 7 = 12 *

County (or town) Palm Beach 8 = 099 *

Latitude 9 = 262805 * (deg min sec)

Longitude 10 = 0801016 * (deg min sec)

Lat-Long Accuracy 11 = (S) F T M * (sec, 5 sec, 10 sec, Min)

Local Number 12 = PB-1598 *

Land Net Loc. 13 = NW NW NW S 16 T 46S R 42E * (1/4 1/4 1/4 section, township, range, merid)

Location Map 14 = University Quad. *

Scale 15 = 1:24000 *

Altitude 16 = 19. *

Method of Measurement 17 = A L (M) * (altimeter, level, map)

Accuracy 18 = Topo *

Topo Setting 19 = D C E (F) H K L Ø P S T U V W * (depression, stream channel, dunes, flat, hilltop, sink, swamp, offshore, pediment, hillside, terrace, undulating, valley flat, upland draw)

Hydrologic Unit (OWDC) 20 = 03090202 *

Date of First Construction/Completion 21 = 12/08/1956 * (month day year)

Use of Site 23 = A D E G H (Ø) M P R S T U W X Z * (anode, drain, geothermal, seismic, heat reserv, observation, mine, oil or gas, recharge, repress, test, unused, withdrawal, waste, destroyed)

Use of Water 24 = A B C D E F H I M N P R S T (U) Y Z * (air cond., bottling, commercial, dewater, power, fire, domestic, irrigation, medicinal, industrial, public supply, recreation, stock, institution, unused, desal, other)

Secondary Water Use 25 = *

Tertiary Use of Water 26 = *

Depth of Hole 27 = 270. *

Depth of Well 28 = 250. *

Source of Depth Data ① 29 = G *

Water Level 30 = . *

Date Measured 31 = / / * (month day year)

Source ① 33 = *

Method of Measurement 34 = A C E G H L M R S T V Z * (airline, calibrated airline, estimated, pressure gage, calibrated pressure gage, geophysical logs, manometer, reported, steel tape, electric tape, calibrated electric tape, other)

Site Status 37 = D F G H Ø P R S T V X Z * (dry, flowing, nearby flowing, nearby recently flowing, obstruction, pumping, recently pumped, nearby pumping, nearby recently pumped, foreign substance, surface water effects, other)

Source of Geohydrologic Data ① 36 = *

Pump Used 35 = * (no)

Measuring Point 266 . *

Measuring Point Date 267 = / / * (month day year)

OWNER IDENTIFICATION (1)

R = 158 *

T = (A) D M * (add, delete, modify)

Date of Ownership 159 # 12/08/1986 * (month day year)

Name: Last 161 = USGS *

First 162 = *

Middle Initial 163 = *

OTHER SITE IDENTIFICATION NUMBERS (1)

R = 189 *

T = A D M * (add, delete, modify)

Ident 190 # *

Assigner 191 = *

New Card Same R & T

Ident 190 # *

Assigner 191 = *

SITE VISIT DATA (1)

R = 186 *

T = A D M * (add, delete, modify)

Date of Visit 187 # / / * (month day year)

Name of Person 188 = *

FIELD WATER QUALITY MEASUREMENTS (1)

R = 192 *

T = A D M * (add, delete, modify)

Date 193 # / / * (month day year)

Geohydrologic Unit 195 # *

New Card Same R thru 195

Temperature 196 # 00010 *

Degrees C 197 = . *

Conductance 196 # 00095 *

μ Mhos 197 = . *

Other (STORET) Parameter 196 # *

Value 197 = . *

Other (STORET) Parameter 196 # *

Value 197 = . *

site 4

FOOT NOTES:

① Source of Data Codes:

S D Ø A R L G Z

reporting agency, driller, owner, other gov't, other reported, logs, geologist, other

WELL CONSTRUCTION DATA (1)

R = 58 * | T = (A) D M * (add, delete, modify) | Entry No 59 # * | Date of Construction Completion 60 = 12/08/1986 * (month / day / year) | Source of (1) Const. Data 64 = *

Name of Contractor/Driller 63 = Dual Tube *

Method of Construction 65 = Reverse Air Dual Tube (A air-rotary, B bored or augered, C cable-tool, D dug, H hydraulic rotary, J jetted, P air percussion, R reverse rotary, T trenching, V driven, W drive wash, (Z) other) *

Finish 66 = C porous concrete, F gravel w/ perf, G gravel screen, H horizontal gallery, Ø open end, P perforated or slotted, (S) screen, T sand point, W walled, X open hole, Z other * | Type of Seal 67 = B bentonite, C clay, (G) cement grout, Z other *

Bottom of Seal 68 = 105' * | Method of Development 69 = A air-lift pump, B bailed, C compressed air, J jetted, N none, (P) other pump, S surged, Z other * | Number of Hours in Development 70 = *

Special Treatment During Development 71 = C chemicals, D dry ice, E explosives, F deflocculent, H hydrofracturing, M mechanical, Z other *

DIMENSIONS OF THE HOLE CONSTRUCTED (2)

R = 72 * | T = (A) D M * (add, delete, modify) | Construction Entry No 59 # *

New Card for Each Hole Segment Same R, T & Field 59

Top of Hole Segment Below LSD	Bottom of Hole Segment below LSD	Diameter of Hole Segment
73 # 0. *	74 = 270. *	75 = 6" *
73 # . *	74 = . *	75 = . *
73 # . *	74 = . *	75 = . *
73 # . *	74 = . *	75 = . *
73 # . *	74 = . *	75 = . *

CASING SCHEDULE (2)

R = 76 * | T = (A) D M * (add, delete, modify) | Construction Entry No 59 # *

New Card for Each Casing With Same R, T & Field 59

Top of Casing Segment Below LSD	Bottom of Casing Segment Below LSD	Diameter of Casing Segment	Casing Material 5	Thickness of Casing
77 # 0. *	78 = 250. *	79 # 2" *	80 = P *	81 = 3/10" *
77 # . *	78 = . *	79 # . *	80 = *	81 = . *
77 # . *	78 = . *	79 # . *	80 = *	81 = . *
77 # . *	78 = . *	79 # . *	80 = *	81 = . *
77 # . *	78 = . *	79 # . *	80 = *	81 = . *

OPENINGS SCHEDULE (2)

R = 82 * | T = A D M * (add, delete, modify) | Construction Entry No 59 # *

New Card for Each Open Section With Same R, T and Field 59

	(Openings Data)	(Openings Data)	(Openings Data)
Top of Section Below LSD	83 # 110. *	83 # . *	83 # . *
Bottom of Section Below LSD	84 = 230. *	84 = . *	84 = . *
Type of Openings (6)	85 = S *	85 = *	85 = *
Type of Material 7	86 = P *	86 = *	86 = *
Diameter of Open Section	87 = 2" *	87 = . *	87 = . *
Width of Opening	88 = .01 *	88 = . *	88 = . *
Length of Opening	89 = 9/10" *	89 = . *	89 = . *

FOOT NOTES:

(1) Source of Data Codes:
S reporting agency, D driller, Ø owner, A other gov't., R other reported, L logs, G geologist, Z other

5 Casing Material Codes
B brick, C concrete, G galv. iron, I wrought iron, M other metal, P PVC or plastic, R rock or stone, S steel, T tile, U coated steel, W wood, Z other

6 Type of Openings Codes
F fracture, L louvered shuttered, M mesh, P perforated or slotted, R wire wound, S screen, T sand point, W walled, X open hole, Z other

7 Type of Material Codes for Open Sections
B brass or bronze, C concrete, G galv. iron, I wrought iron, M other metal, P PVC or plastic, R stainless steel, S steel, T tile, Z other

PRODUCTION DATA (1)

R = 134 146 * (flowing, pumped) | T = A D M * (add, delete, modify) | Entry No 147 # * | Date 148 = / / * (month / day / year)

Discharge: 150 = * | Source of Data (1) 151 = *

Method of Measurement 152 = B C E F M O P R T U V W Z * (bailer, current meter, estimated, flume, totaling meter, orifice, pitot-tube, reported, trajectory, venturi, volumetric, weir, other)

Production Level 153 = * | Static Level 154 = * | Source of Data (1) 155 = * | Specific Capacity 272 = *

Method of Measurement 156 = A C E G H L M R S T V Z * (airline, calibrated, estimated, pressure gage, calibrated, geophysical logs, manometer, reported, steel tape, electric tape, calibrated, other electric tape)

Pumping Period 157 = *

LIFT DATA (1)

R = 42 * | T = A D M * (add, delete, modify) | Type of Lift 43 # A B C J P R S T U Z * (air, bucket, centrifugal, jet, piston, rotary, submergible, turbine, unknown, other) | Entry No 254 # *

Pump Intake Setting 44 = * | Type of Power 45 = D E G H L N W Z * (diesel, electric, gasoline, hand, LP gas, natural gas, windmill, other)

Date 38 = / / * (month / day / year) | Horsepower 46 = *

MAJOR PUMP DATA (2)

R = 47 * | T = A D M * (add, delete, modify) | Type of Lift 43 # * | Lift Entry No 254 # * | Manufacturer of Pump 48 = *

Serial No of Pump 49 = * | Name of Power Company 50 = *

Power Company Account No 51 = * | Power Meter No 52 = * | Pump Rating 53 = *

Person or Company Who Maintains the Pump 54 = * | Additional Lift 255 = * | Rated Pump Capacity 268 = *

STANDBY POWER DATA (2) (See LIFT DATA for codes of fields 43 and 56 below)

R = 55 * | T = A D M * (add, delete, modify) | Type of Lift 43 # * | Type of Power 56 = * | Horsepower 57 = * | Lift Entry No 254 # *

AVAILABLE LOG DATA (1)

R = 198 * | T = A D M * (add, delete, modify) | New Card for Each Log Type Same R & T

Type of Log (2)	Begin Depth	End Depth	Source of Data (1)
199 # G *	200 = 0 *	201 = 270 *	202 = G *
199 # D *	200 = 0 *	201 = 270 *	202 = G *
199 # I *	200 = 110 *	201 = 250 *	202 = *
199 # *	200 = *	201 = *	202 = *

WATER QUALITY DATA COLLECTION (1)

R = 114 * | T = A D M * (add, delete, modify) | Begin Year 115 # * | End Year 116 = * | Source Agency 117 = *

Frequency of Collection (3) 118 = * | Network Site 257 = * | Type of Analyses (4) 120 = *

WATER LEVEL DATA COLLECTION (1)

R = 121 * | T = A D M * (add, delete, modify) | Begin Year 122 # * | End Year 123 = * | Source Agency 124 = *

Frequency of Collection (3) 125 = * | Network Site 258 = *

WATER PUMPAGE/WITHDRAWAL DATA COLLECTION (1)

R = 127 * | T = A D M * (add, delete, modify) | Begin Year 128 # * | End Year 129 = * | Source Agency 130 = *

Frequency of Collection (3) 131 = * | Network Site 259 = * | Method of Collection 133 = C E M U Z * (calculated, estimated, metered, unknown, other)

OTHER DATA AVAILABLE (1)

R = 180 * | T = A D M * (add, delete, modify) | Type of Data 181 # * | Loc 182 = C D Z * (cooperator, district, other) | Format 261 = F M P Z * (files, machine, published, other readable)

New Card Same R & T | Type of Data 181 # * | Loc 182 = C D Z * | Format 261 = F M P Z *

FOOT NOTES:

(1) Source of Data Codes: S D Ø A R L G Z (reporting agency, driller, owner, other gov't, other reported, logs, geologist, other)

(2) Type of Log Codes: A B C D E F G H I J K L M N Ø P Q R S T U V Z (time, collar, caliper, driller's, electric, fluid conduct, geologist, magnetic, induction, gamma ray, dipmeter, laterlog, microlog, neutron, μ later, photo, radio-active, sonic, temp, gamma, fluid velocity, other gamma velocity)

(3) Frequency of Collection Codes: A B C D F I M Ø Q S W Z (annual, bi-monthly, continuous, daily, semi-monthly, intermittent, monthly, one time only, quarter annual, semi-annual, weekly, other)

(4) Type of Quality Analyses Codes: A B C D E F G H J K L M Z (physical, common chemical, trace elements, pesticides, nutrients, sanitary, codes B&D, codes B&E, codes B&F, codes D&E, codes C,D&E, all or most, other)

GEOHYDROLOGIC UNIT DESCRIPTIONS (1)

R = 90 * | T = A D M * (add, delete, modify) | Entry No 256 # * | Depth to Top 91 = * | Depth to Bottom 92 = *

Unit Identifier 93 = * | Lithology 96 = * | Lithologic Modifier 97 = *

AQUIFER DATA (2)

R = 94 * | T = A D M * (add, delete, modify) | Geohydrologic Unit Entry No 256 # *

Date 95 # / / (month / day / year) * | Water Level 126 = * | % Water Contributed 132 = *

GEOHYDROLOGIC UNIT DESCRIPTIONS (1)

R = 90 * | T = A D M * (add, delete, modify) | Entry No 256 # * | Depth to Top 91 = * | Depth to Bottom 92 = *

Unit Identifier 93 = * | Lithology 96 = * | Lithologic Modifier 97 = *

AQUIFER DATA (2)

R = 94 * | T = A D M * (add, delete, modify) | Geohydrologic Unit Entry No 256 # *

Date 95 # / / (month / day / year) * | Water Level 126 = * | % Water Contributed 132 = *

PERTINENT REMARKS

R = 183 * | T = A * (add)

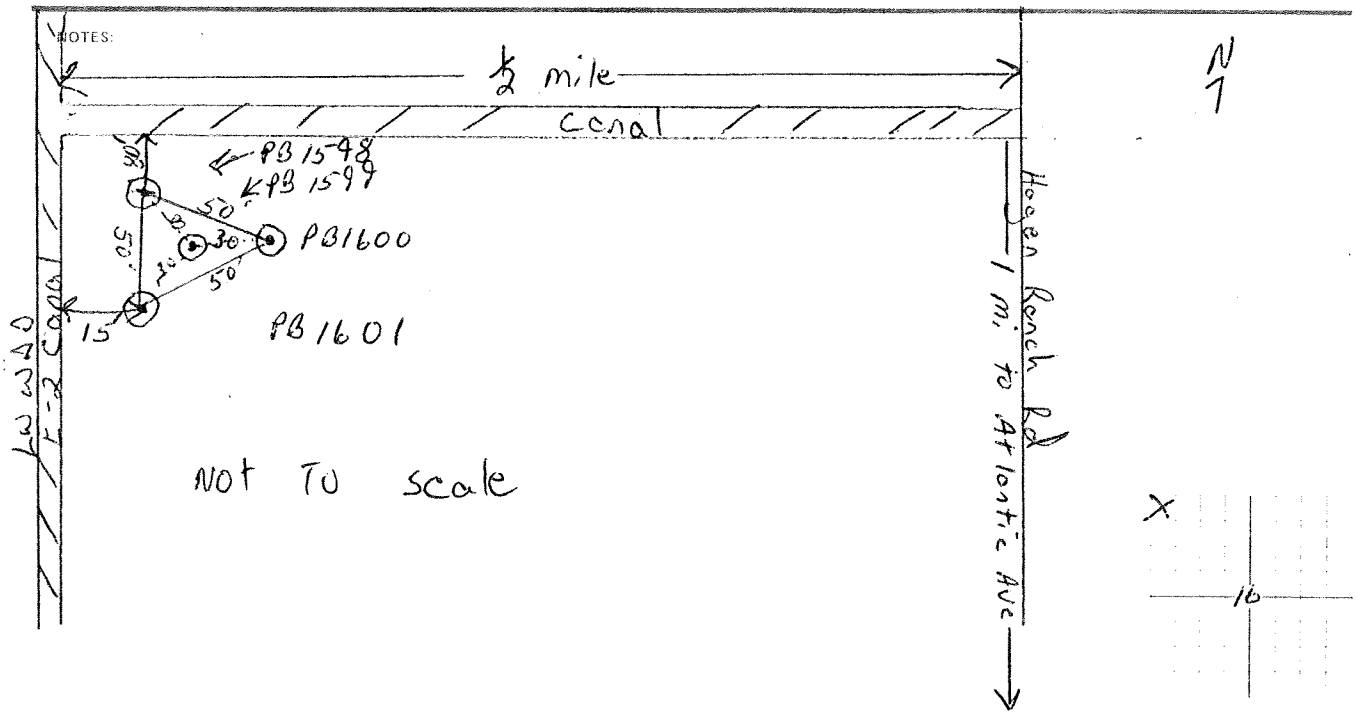
185 = *

185 = *

185 = *

New Card Same R&T

NOTES:



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