Lithologic Log of Well PB-1583

Lat ~~26°40'57"~~ 26°42'00", long 80°15'10"
Sec. 28, T. 43 S., R. 41 E.

Description	Thickness (feet)	Depth, feet below land surface
Sand, dark-yellowish-brown (10 YR 4/2); quartzose, coarse to fine, moderately sorted, angular to subangular; 1 to 3 percent heavy minerals, medium to fine, subrounded to rounded; about 25 percent organic mud, micrite, silt, and clay.	4	0 - 4
Marl, dark-yellowish-brown (10 YR 4/2); silt, clay, and micrite; sand as above from 5 to 7 feet.	3	4 - 7
Sand, dark-yellowish-gray (10 YR 4/2); quartzose, medium to very fine, moderately sorted, angular to subangular; 1 percent heavy minerals, fine to very fine, subrounded to rounded; about 25 percent organic mud, silt, and clay size.	3	7 - 10
Sand as above.	4	10 - 14
Sand as above; 10 to 20 percent mud, silt size.	3	14 - 17
Sand, pale-yellowish-brown (10 YR 6/2); quartzose, medium to very fine, moderately sorted, angular to subrounded; 1 percent heavy minerals, fine to very fine, subrounded to rounded; 10 to 20 percent mud, silt size.	3	17 - 20
Sand as above.	4	20 - 24
Sand, dark-yellowish-brown (10 YR 4/2); quartzose as above; 1 percent heavy minerals as above; 10 to 20 percent mud, silt size.	3	24 - 27
Sand as above.	3	27 - 30
Sand, dark-yellowish-gray (10 YR 4/2); quartzose, medium to very fine, moderately sorted, angular to subrounded; 1 to 3 percent heavy minerals, fine to very fine, subrounded to rounded, well sorted; about 3 percent carbonates, medium to very fine, angular to rounded; about 20 percent mud, silt size.	4	30 - 34

Lithologic Log of Well PB-1583--Continued

Description	Thickness (feet)	Depth, feet below land surface
Marl, light-olive-gray (5 Y 5/2) to light-olive-brown (5 Y 5/6); silt and clay; 40 percent quartzose, medium to very fine, moderately to well sorted, angular to subangular; 5 percent heavy minerals, medium to very fine, moderately sorted, subrounded to rounded; 1 to 3 percent carbonates, medium to very fine, angular to rounded; about 10 percent sandstone, olive-gray (5 Y 4/1); quartz, medium to very fine, angular to subrounded; 5 percent heavy minerals, fine to very fine, subrounded to rounded; micritic matrix; moderately cemented; low porosity.	3	34 - 37
Limestone, medium-dark-gray (N 4); sandy, fossiliferous sparite, calcite molds, Chione and other mollusks; 20 percent quartz, fine to very fine, angular to subrounded; 3 percent heavy minerals, fine to very fine, subrounded to rounded; moderately to partially cemented; moldic, vugs, moderate to good porosity; interbedded with about 40 to 50 percent sand, light-olive-gray (5 Y 5/2); quartzose, fine to very fine, well sorted, angular to subangular; 5 percent heavy minerals, fine to very fine, subrounded to rounded; about 10 percent detrital carbonate fragments, medium to very fine; about 20 percent lime mud, silt size.	3	37 - 40
Limestone, light-gray (N 7); sandy, sparse biosparite, well worn mollusk fragments; 20 to 30 percent quartz, fine to very fine, angular to subangular; 5 to 10 percent heavy minerals, fine to very fine, subrounded to rounded; moderately cemented; moderate to good porosity; interbedded with about 40 percent sand; quartzose, fine to very fine, well sorted, angular to subangular; 5 to 10 percent heavy minerals, medium to very fine, subrounded to rounded; 40 percent detrital carbonates and shell fragments, coarse to very fine, angular to rounded.	4	40 - 44
Limestone as above; gravel and concretions.	3	44 - 47
Sandstone, light-gray (N 7); gravel and concretions; quartzose, fine to very well sorted, angular to subangular; 5 to 10 percent heavy minerals, fine to very fine, well sorted, subrounded to rounded; 20 percent carbonate and shell fragments, medium to very fine; sparite matrix; well cemented; nodules and gravel; low to medium porosity; about 30 percent sand as above.	3	47 - 50

Lithologic Log of Well PB-1583--Continued

Description	Thickness (feet)	Depth, feet below land surface
Sandstone as above with sand as above.	4	50 - 54
Limestone, light-gray (N 7); sandy, sparse biosparite, Turritella, abundant bivalvia; abundant calcite molds present; about 30 to 40 percent quartz, medium, well sorted, subangular to subrounded; about 10 percent heavy minerals and phosphates, coarse to fine, poorly sorted, subrounded to rounded; cavity-riddled gravel; moldic, good porosity; interbedded with about 20 to 30 percent sand; quartzose, medium to fine, well sorted, angular to subrounded; 10 percent heavy minerals and phosphates, coarse to fine, poorly sorted, subrounded to rounded; about 30 percent carbonates.	3	54 - 57
Limestone as above with sand as above.	3	57 - 60
Limestone, yellowish-gray (5 Y 8/1) to medium-gray (N 5); sandy, sparse biosparite (biomicrite in places), barnacles, bivalvia; 20 to 30 percent quartzose, coarse to fine, poorly sorted, angular to subrounded; 5 to 10 percent heavy minerals and phosphates, coarse to fine, poorly sorted, subrounded to rounded; moderately cemented; cavity-riddled gravel; good porosity; interbedded with about 20 to 30 percent sand as above; quartzose, coarse to fine.	4	60 - 64
Limestone as above; interbedded with 20 to 30 percent sand; quartzose, coarse to fine, poorly sorted, angular to subrounded; 5 to 10 percent heavy minerals and phosphates, coarse to fine, poorly sorted, subrounded to rounded; about 30 percent detrital carbonates and shell fragments, bryozoans, Balanus, Anadara, Chione, Corbula.	3	64 - 67
Limestone, light-gray (N 7) to yellowish-gray (5 Y 7/2); sandy, sparse biosparite; 20 to 30 percent quartzose, medium to fine, anuglar to subangular; 5 to 10 percent heavy minerals and phosphates, coarse to fine, subrounded to rounded; loosely cemented; cavity-riddled gravel; good porosity; interbedded with 30 percent sand and shell; quartzose, coarse to fine, angular to subrounded; 5 to 10 percent heavy minerals and phosphates, coarse to fine, subrounded to rounded; 30 to 40 percent detrital carbonates and shells, Busycon, Conopeum, Chione, shark teeth, Terebra, Turritella, Chlamys.	3	67 - 70

Lithologic Log of Well PB-1583--Continued

Description	Thickness (feet)	Depth, feet below land surface
Calcareous sand, very light gray (N 8) to yellowish-gray (5 Y 8/1); quartzose, coarse to fine, poorly sorted, angular to subrounded; 5 to 10 percent heavy minerals and phosphates, coarse to fine, poorly sorted, subrounded to rounded; 30 to 40 percent detrital carbonates and shells, Turritella, Chione, Olivella, Tellina, Cardita, Chlamys, Terebra; interbedded with about 5 to 10 percent limestone nodules; sandy, packed biosparite.	4	70 - 74
Calcareous sand as above.	3	74 - 77
Calcareous sand, yellowish-gray (5 Y 8/1); quartzose, coarse to fine, poorly sorted, angular to subrounded; 5 to 10 percent heavy minerals and phosphates, coarse to fine, poorly sorted, subrounded to rounded; about 40 percent detrital carbonates and shells, Chione, Turritella, Conus, Chlamys, Cancellaria, barnacles, Olivella.	3	77 - 80
Calcareous sand as above.	4	80 - 84
Calcareous sand, yellowish-gray (5 Y 8/1) to medium-dark-gray (N 4); as above.	3	84 - 87
Calcareous sand, medium-dark-gray (N 4); quartzose, medium to fine, moderately sorted, angular to subrounded; 5 to 10 percent heavy minerals and phosphates, coarse to fine, poorly sorted, subrounded to rounded; 40 percent detrital carbonates and shell fragments, Cancellaria, Turritella, Glycymeris, Echinochama, Prunum, Balanus, Septastrea, Plicatula, Chione.	3	87 - 90
Calcareous sand, yellowish-gray (5 Y 8/1); quartzose, coarse to fine, poorly sorted, angular to subrounded; 5 to 10 percent heavy minerals and phosphates, coarse to fine, poorly sorted, subrounded to rounded; about 40 percent detrital carbonates and shell fragments, Glycymeris, Turritella, Prunam, Plicatula, Terebra, Cardita, Olivella, Lucina.	4	90 - 94
Calcareous sand as above.	3	94 - 97

Lithologic Log of Well PB-1583--Continued

Description	Thickness (feet)	Depth, feet below land surface
Calcareous sand as above; Chione, Turritella, Terebra, Balanus, Conus, Oliva, Plicatula, Corbula, Lucina, Strombus, worm shells, echinoid spines; interbedded with about 20 percent limestone rock fragments; sandy, sparse biosparite; 20 to 30 percent quartzose, coarse to fine, angular to subrounded; 5 to 10 percent heavy minerals and phosphates, medium to fine, subrounded to rounded; loosely cemented; moderate porosity.	3	97 - 100
Limestone, medium-dark-gray (N 4) to yellowish-gray (5 Y 8/1); sandy, sparse biosparite, mollusks; 20 to 30 percent quartzose, medium to fine, moderately sorted, angular to subrounded; 3 to 5 percent heavy minerals and phosphates, medium to fine, moderately sorted, subrounded to rounded; moderately cemented; moderate porosity; interbedded with about 30 to 40 percent calcareous sand; 40 percent quartzose, coarse to fine, poorly sorted, angular to subrounded; 5 to 10 percent heavy minerals and phosphates, coarse to fine, poorly sorted, subrounded to rounded; detrital carbonates and shell fragments, Cancellaria, Busycon, Corbula, Balanus, Turritella.	4	100 - 104
Calcareous sand, medium-dark-gray (N 4) to yellowish-gray (5 Y 8/1) as above; interbedded with about 20 to 30 percent limestone as above.	3	104 - 107
Limestone, medium-gray (N 5); sandy, sparse biosparite, mollusks; 30 to 40 percent quartzose, coarse to fine, poorly sorted, angular to subrounded; 5 percent heavy minerals and phosphates, medium to fine, moderately sorted, subrounded to rounded; very well cemented; moldic, very porous; interlayered with about 20 to 30 percent sand; quartzose, coarse to fine, poorly sorted, angular to subrounded; 5 to 10 percent heavy minerals and phosphates, coarse to fine, poorly sorted, subrounded to rounded; about 30 percent detrital carbonates and shell fragments.	3	107 - 110
Calcareous sand, yellowish-gray (5 Y 8/1) to medium-gray (N 5); quartzose, medium to fine, moderately sorted, angular to subrounded; 5 to 10 percent heavy minerals and phosphates, coarse to fine, poorly sorted, subrounded to rounded; 30 to 40 percent detrital carbonates and shell fragments, barnacles, Olivella, bivalves.	4	110 - 114

Lithologic Log of Well PB-1583--Continued

Description	Thickness (feet)	Depth, feet below land surface
Calcareous sand, yellowish-gray (5 Y 7/2) as above, bryozoans.	3	114 - 117
Calcareous sand as above, Chlaymys.	3	117 - 120
Calcareous sand, yellowish-gray (5 Y 8/1) to light-olive-gray (5 Y 5/2); quartzose, coarse to fine, poorly sorted, angular to subrounded; 5 to 10 percent heavy minerals and phosphates, course to fine, poorly sorted, subrounded to rounded; 30 to 40 percent detrital carbonates and shell fragments; interbedded with about 10 to 20 percent limestone rock fragments; sandy, sparse biosparite to biomicrite.	4	120 - 124
Calcareous sand as above; interbedded with about 25 percent limestone; sandy, sparse biomicrite to biosparite; 30 percent quartzose, coarse to fine, poorly sorted, angular to subrounded; 5 to 10 percent heavy minerals and phosphates, coarse to fine, poorly sorted, subrounded to rounded; loosely cemented; moldic, good porosity.	3	124 - 127
Calcareous sand, yellowish-gray (5 Y 8/1) as above; with about 5 to 10 percent limestone rock fragments, light-olive-gray (5 Y 5/2) as above.	3	127 - 130
Calcareous sand with limestone rock fragments as above.	4	130 - 134
Calcareous sand, yellowish-gray (5 Y 8/1), quartzose, coarse to fine, poorly sorted, subrounded to rounded; 5 to 10 percent heavy minerals and phosphates, coarse to fine, poorly sorted, subrounded to rounded; about 30 percent detrital carbonates and shell fragments.	3	134 - 137
Calcareous sand as above.	3	137 - 140
Calcareous sand, very light gray (N 8) to yellowish-gray (5 Y 8/1); quartzose, coarse to medium, subangular to rounded; 5 to 10 percent heavy minerals and phosphates as above; 20 to 30 percent detrital carbonates and shell fragments; interbedded with about 20 to 30 percent limestone; sandy, sparse biosparite; 30 percent quartzose, coarse to medium, subangular to rounded; 5 to 10 percent heavy minerals and phosphates, coarse to fine, subrounded to rounded; loosely cemented; moldic, good porosity.	4	140 - 144

Lithologic Log of Well PB-1583--Continued

Description	Thickness (feet)	Depth, feet below land surface
Calcareous sand as above.	3	144 - 147
Calcareous sand, light-gray (N 7) to yellowish-gray (5 Y 8/1); quartzose, coarse to medium, moderately sorted, subangular to rounded; 5 to 10 percent heavy minerals and phosphates, coarse to fine, poorly sorted, subrounded to rounded; about 30 percent detrital carbonates and shell fragments, Balanus, Chlamys; about 5 percent micrite, silt, and clay, light-olive-gray (5 Y 5/2).	3	147 - 150
Calcareous sand as above with grayish-olive (10 Y 4/2); silt, clay, and micrite increasing.	4	150 - 154
Calcareous sand, very light gray (N 8) to yellowish-gray (5 Y 8/1); quartzose, coarse to fine, poorly sorted, subangular to rounded; 5 to 10 percent phosphates as above; 20 to 30 percent detrital carbonates and shell fragments, Conus, echinoid plate, Balanus; about 10 percent micrite, silt, and clay, grayish-olive (10 Y 4/2).	3	154 - 157
Calcareous sand as above; 20 percent silt, clay, and micrite.	3	157 - 160
Sand, very light gray (N 8) to light-olive-gray (5 Y 5/2); quartzose, coarse to fine, poorly sorted, subangular to subrounded; 10 percent heavy minerals and phosphates, coarse to fine, poorly sorted, subrounded to rounded; about 20 percent detrital carbonates and shell fragments, Conus, Balanus; about 20 percent silt, clay, and micrite.	4	160 - 164
Silty sand, grayish-olive (10 Y 4/2); about 40 percent micrite, silt and clay; quartzose, medium to very fine, moderately sorted, angular to rounded; 5 to 10 percent heavy minerals and phosphates, medium to very fine, moderately sorted, subrounded to rounded; 3 to 5 percent detrital carbonates.	3	164 - 167
Silty sand as above.	3	167 - 170
Silty sand as above; with silt and clay increasing.	4	170 - 174
Silty sand as above.	3	174 - 177

Lithologic Log of Well PB-1583--Continued

Description	Thickness (feet)	Depth, feet below land surface
Silt sand, grayish-olive (10 Y 4/2); quartzose, fine to very fine, angular to subangular, well sorted; about 40 percent silt, clay, and lime mud; 5 to 10 percent heavy minerals and phosphates, medium to very fine, moderately sorted, subrounded to rounded; about 5 to 10 percent detrital carbonates and shell fragments, medium to very fine, well worn.	3	177 - 180
Sandy clay, grayish-olive (10 Y 4/2); silt, clay, and micrite; about 30 to 40 percent quartzose as above; 5 to 10 percent heavy minerals and phosphates, fine to very fine, well sorted, subrounded to rounded; 3 to 5 percent carbonates and shell fragments, fine to very fine, well worn.	4	180 - 184
Sandy clay as above.	3	184 - 187
Sandy clay as above.	3	187 - 190

PB-1583

FORM NO 9-1904-A

SITE NO 264057080151001

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

Recorded by R. Kane

Date 11-4-86

Check One ✓ English ____ Metric Units

GENERAL SITE DATA (0)

Site Ident No 264057080151001 (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, pond, tunnel or, well shaft / well

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

Reporting Agency 4 = USGS *

Project No. 5 = 4598-14200 *

District 6 = 12 *

State 7 = 12 *

County (or town) Palm Beach

8 = 099 *

Latitude 9 = ~~26 40 57~~ * (deg min sec)

26 42 00 DP (SFWMD) 8/1/86

Longitude 10 = 080 15 10 * (deg min sec)

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

Local Number 12 = PB-1583 *

Land Net Loc. 13 = SW NE NE S 28 T 43S R 41E * (1/4 1/4 1/4 section, township, range, meridian)

Location Map 14 = Loxahatchee Quad *

Scale 15 = 1,24000 *

Altitude 16 = 20' *

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 I U V W * — depression, stream, dunes, flat, hilltop, sink, swamp, offshore, pediment, hillside, terrace, undulating, valley, upland / channel, flat, draw

Hydrologic Unit (OWDC) 20 = 03090202 *

Date of First Construction/Completion 21 = 10 (month) 23 (day) 1986 (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, 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 7 * — 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 = 190' * Depth of Well 28 = 160' * 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, estimated; pressure, calibrated, pressure gage; geophysical, pressure gage logs; manometer, reported, steel, tape; steel, 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 # 10/23/1986 * (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

New Card Same R & T

Ident 190 # * Assigner 191 = *

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 # 0 0 0 1 0 * Degrees C 197 = *

Conductance 196 # 0 0 0 9 5 * µMhos 197 = *

Other (STORET) Parameter 196 # * Value 197 = *

Other (STORET) Parameter 196 # * Value 197 = *

Suite #3

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 = 10/23/1986 * (month / day / year) | Source of (1) Const. Data 64 *

Name of Contractor/Driller 63 = Dual Tube *

Method of Construction 65 = (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, open hole | X other | Z * | Type of Seal 67 = B bentonite | C clay | (G) cement, grout | Z other *

Bottom of Seal 68 = 160' * | 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 5 9

Top of Hole Segment Below LSD	Bottom of Hole Segment below LSD	Diameter of Hole Segment
73 # 0' *	74 = 190' *	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 5 9

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 = 160' *	79 # 2" *	80 = P *	81 = 2/10" *
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 5 9

	(Openings Data)	(Openings Data)	(Openings Data)
Top of Section Below LSD	83 # 150' *	83 # *	83 # *
Bottom of Section Below LSD	84 = 160' *	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" *	89 = *	89 = *

FOOT NOTES:

(1) Source of Data Codes:

S reporting agency | D driller, owner, other gov't. | Ø other reported | A logs, geologist, other

5 Casing Material Codes

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

6 Type of Openings Codes

F fracture | L louvered, shuttered | M mesh | P perforated or slotted | R wire wound | S screen, (unknown) | T sand point | W walled, open hole | X other | Z

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 meter, 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 airline, estimated pressure gage, calibrated pressure gage, geophysical logs, manometer, reported, steel tape, electric tape, calibrated electric tape, other) | 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 = 190' *	202 = G *
199 # F *	200 = 40' *	201 = 170' *	202 = G *
199 # *	200 = *	201 = *	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 (reporting agency) D (driller) Ø (owner) A (other gov't) R (other reported) L (logs) G (geologist) Z (other)

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

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

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

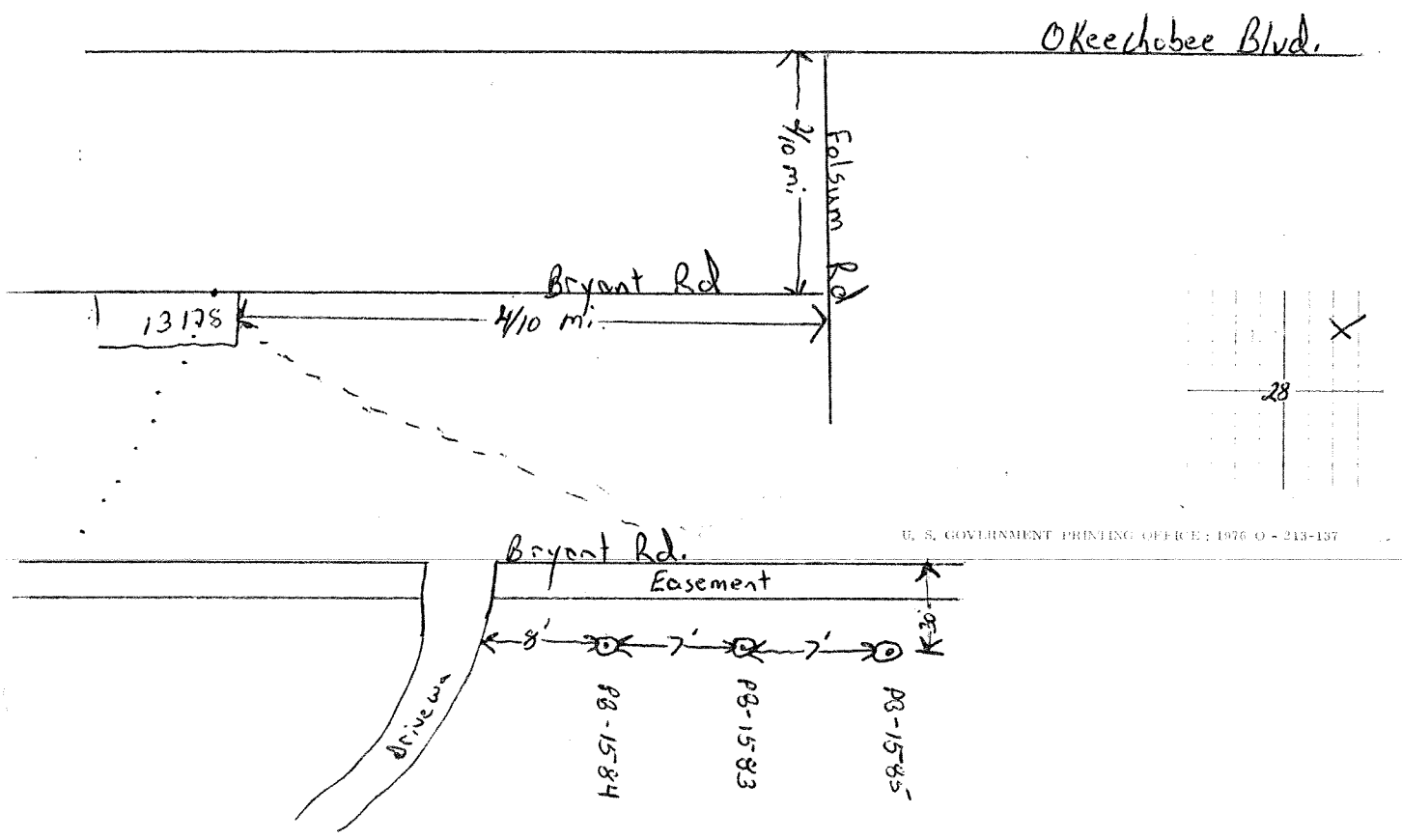
185 = *

New Card Same R&T

185 = *

NOTES:

1N



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