

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

Date _____

Recorded by Anne Bradner

SITE SCHEDULE

GENERAL SITE DATA (0)

Check One English Metric Units

Site Ident No 271526080490101 RG Number R=0 Transaction T=A D M V
 Site-Type 2=C D E H I M Ø P S T W X Data 3=C U Reporting Agency 4=USGS
 Project No. 5= District 6=125 State 7=12 County (or town) Okeechobee 8=093
 Latitude 9=27 15 26 Longitude 10=080 49 01 Lat-Long Accuracy 11=S F T M
 Local Number 12=OKEECHOBEE CITY DEPT Land Net Loc. 13=NENONE S 15 T 37 S R 35 E T
 Location Map 14=TAYLOR CREEK SE Scale 15=24000
 Altitude 16=22.0 Method of Measurement 17=A L M Accuracy 18=2.5
 Topo Setting 19=A B C D E F G H K L M Ø P S T U W Hydrologic Unit (OWDC) 20=03090102
 Use of Site 23=A C D E G H M Ø P R S T U W X Z Secondary Site Use 301= Tertiary Site Use 302=
 Use of Water 24=A B C D E F H I J K M N P Q R S T U Y Z
 Secondary Water Use 25= Tertiary Use of Water 26= Depth of Hole 27= Depth of Well 28=842 Source of Depth Data 29=Ø
 Water Level 30= Data Measured 31= Source 33=
 Method of Measurement 34=A B C E G H L M N R S T V Z
 Site Status 37=D E F G H I J N Ø P R S T V W X Z
 Source of Geohydrologic Data 36= Pump Used 35= Date of First Construction/Completion 21=

MP = 2.39 ab LSD

OWNER IDENTIFICATION (1)

R=158 T=A D M Date of Ownership 159 #
 Name: Last 161# OKEECHOBEE First 162# CITY OF Middle Initial 163=

OTHER SITE IDENTIFICATION NUMBERS (1)

R=189 T=A D M Ident 190 # Assigner 191=
 Ident 190 # Assigner 191=

SITE VISIT DATA (1)

R=186 T=A D M Date of Visit 187# 08 12 81 1990 Name of Person 188= BRADNER

FIELD WATER QUALITY MEASUREMENTS (1)

R=192 T=A D M Date 193 # Geohydrologic Unit 195 #
 Temperature 196 # 0 0 0 1 0 Degrees C 197=
 Conductance 196 # 0 0 0 9 5 µ Mhos 197=
 Other (STORET) Parameter 196 # Value 197=
 Other (STORET) Parameter 196 # Value 197=

FOOT NOTES:

① Source of Data Codes:

A D G L M O R S Z
 other, driller, geologist, logs, memory, owner, other, reporting other reported agency

AB 11/179

GEOHYDROLOGIC UNIT DESCRIPTIONS (1)

R = 90 * T = A D M *
add, delete, modify

Entry No 256 # 001 * Depth to Top 91 = 630 * Depth to Bottom 92 = * * * * *

93 = 120 FLRD * 304 = P * 96 = LMSN * 97 = * * * * *

Unit Identifier Contributing Unit Lithology Lithologic Modifier

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 = * * * * *

93 = * * * * * 304 = * * * * 96 = * * * * * 97 = * * * * *

Unit Identifier Contributing Unit Lithology Lithologic Modifier

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

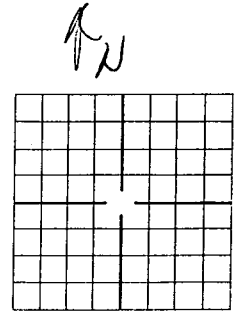
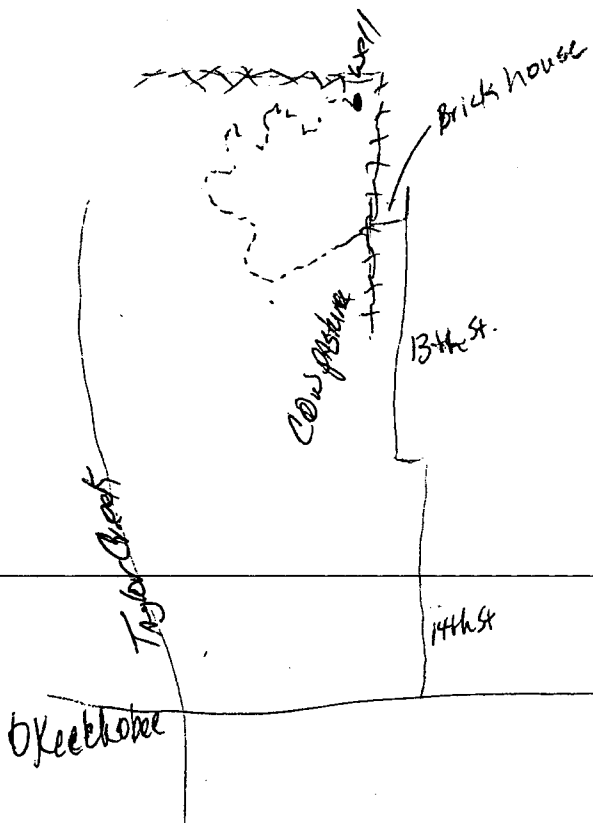
R = 183 * T = A D M *
add, delete, modify New Card Same R&T

Remark No. 311 # 001 * 185 = FLOWING WELL SHUT IN * * * * *

311 # * * * * 185 = MP EX ON WELL CAP * * * * *

① Contributing Unit Codes

P	S	N	U
primary contributing	secondary contributing	non-contributing	unknown



WELL CUTTINGS PROCESSING FORM

SFWMD ID NO.: 093-6 WELL CONST. PERMIT NO.: SF05180-A

WELL NAME: OK-3 GEOPHY. LOG AVAIL. Yes No

COUNTY okeechobee SFWMD GEOPHY.# _____

LOCATION: 1/4 of 1/4 of 1/4 of Sec. 15 Twp. 37S Rge. 35E

Latitude _____ Longitude _____

Planar X _____ Planar Y _____

DRILLER: DOMER'S INC DATE DRILLED 6/25/90

DEPTH (ft) 840' ELEVATION (NGVD) _____ () TOPO () SURVEY

NO. OF SAMPLES 84 NO. OF SPLITS 2 DATE SENT _____

SENT TO: BOG () USGS _____ () OTHER _____

WATER SAMPLE: CHLORIDES (mg/l) 900 PPM
LAB SAMPLE # TDS 1500 PPM

HYDRAULIC DATA AVAILABLE:
SPECIFIC CAPACITY Yes No
PUMP TEST Yes No

COMPLETION INFO: () PLUGGED TEST () MONITOR () PRODUCTION

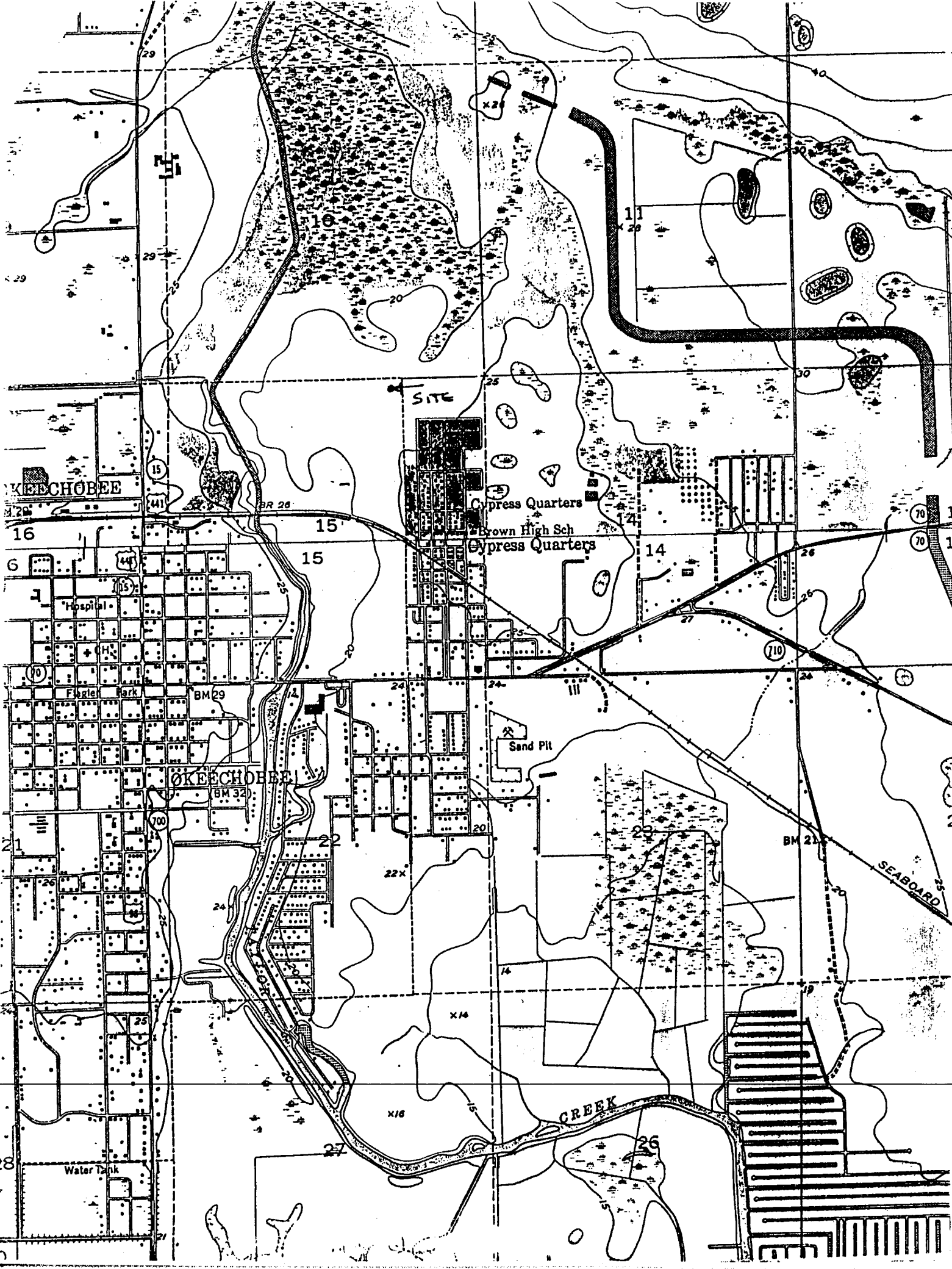
DRILLING METHOD: () CABLE TOOL () JET () AUGER
(x) ROTARY: Mud [] Air [] Reverse [] Dual Wall

CASING: TYPE: () PVC () GALV. STEEL
DIAMETER: _____ INTERVAL: Casing to 630'

SCREEN: TYPE: () PVC () GALV. () STEEL
DIAMETER: _____ INTERVAL: _____

GEOLOGIST DESCRIPTION: () NO YES _____

COMMENTS: _____



SITE

OKEECHOBEE

Cypress Quarters
Brown High Sch
Cypress Quarters

OKEECHOBEE

CREEK

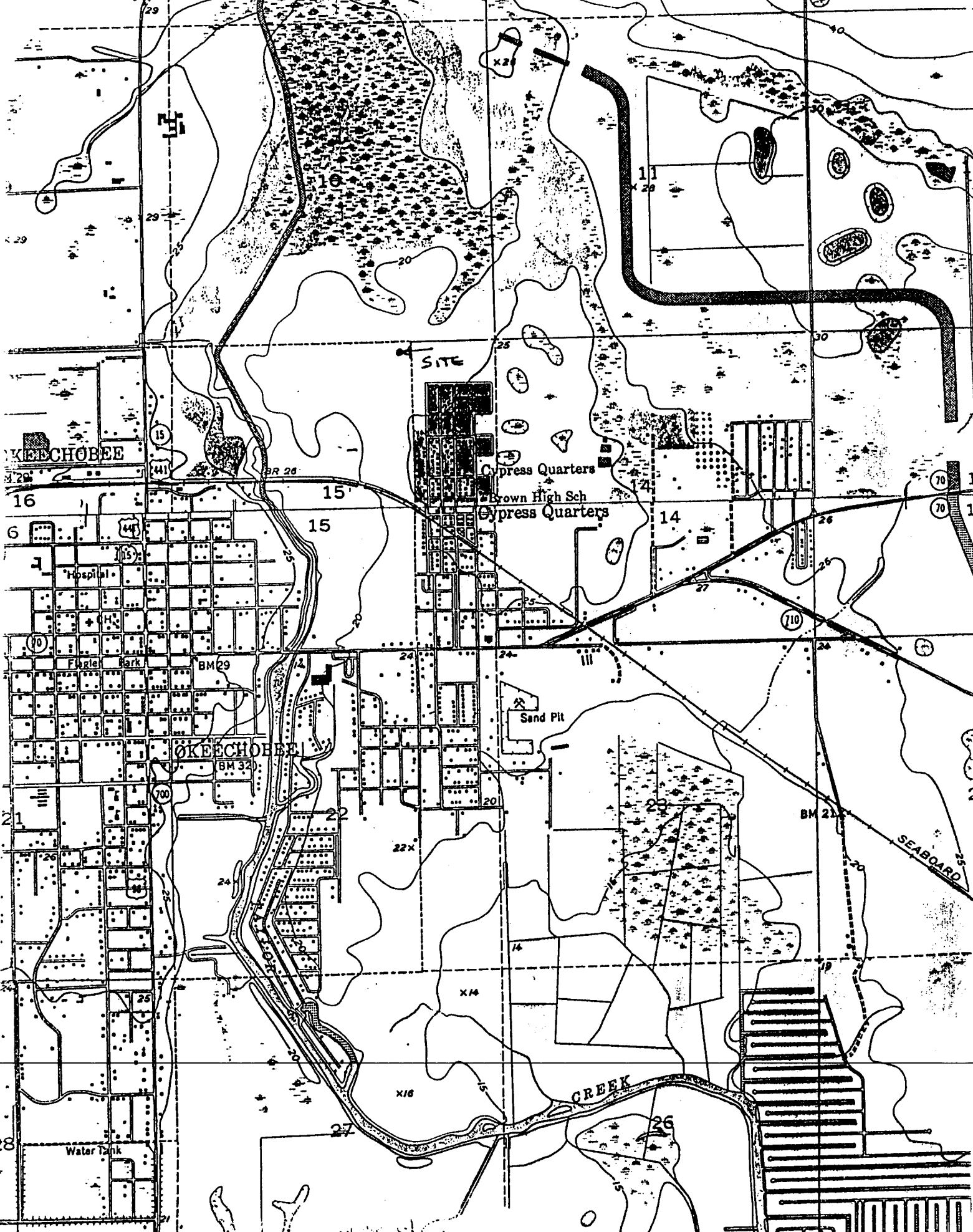
SEABOARD

Hospital

Fogle Park

Sand Pit

Water Tank



City of Okeechobee Well
 Drilled by Dornier's, Inc.

Completed 6-25-90

T.D. 840'

Cased to 620', Steel. open hole

S/T/R = 15/37S/35E
 NE 1/4

Mud rotary

Sample - 100 ppm. Cl
 1500 ppm. TDS

- 3'-25' fine to very fine white to tan sand, roots. Dark, clayey ^{organic} streaks in 8-12' interval & 17-21' interval
- 25'-30' qtz sand, dark sticky organic silt, bleached shell
- 30'-45' As above, shell content increased
- 45'-60' Poorly sorted (med. v. fine) sand and fine shell (small whole shell + small pieces, blue to white)
- 60'-75' silty sand (qtz + carbonate) w/ phosphatic grains (sand-sized). Small amt, bleached shell
- 75'-80' greenish gray calcareous silt; phosphatic
- 80'-100' bleached shell and fine calcareous sand.
- 100'-120' As above, coarser shell
- 120'-130' As above, some small pieces consolidated LS
- 130'-140' As above.
- 140'-160' As above, increase in carbonate silt/sand
- 160'-180' Phosphatic calcareous silty sand w/ ~45% shell
- 180'-200' Phosphatic calcareous silt, ~10% shell. Some of the phosphate grains are coarse
- 200'-210' Phosphatic silty sand (calc. + qtz) - poor sorting. ~40% shell fragments
- 210'-220' As above, coarser shell
- 220'-230' White shelly LS w/ pinpoint vugs, coarse shell. Small amt silt as described above. looks fairly productive.
- 230'-240' Phosphatic silty sand w/ LS as above (contaminant?) + small shell fragments.

50 SHEETS 35 SQUARE
42,382 100 SHEETS 35 SQUARE
42,386 200 SHEETS 35 SQUARE
NATIONAL

240'-260' Calcareous, phosphatic silty sand w/ v.s small amt. shell. Color is greenish gray

260'-270' As above, darker in color

270'-280' Green silt, gray clay, small amt. shelly ls

280'-290' As above, w/increase in ls. Small amt. coarse shell

290'-300' Green & gray silty clay. Small amt calcareous material (mild acid rxn)

300'-310' Phosphatic silty sand (very poor sorting, particularly in qtz grains). Small amt shell. Phosphate grains vary from fine-sand sized to med-sand sized

310-350' Phosphatic (very) sandy silty clay, dark green shell bed in 310-320' interval. Clayey matrix mat'l is calcareous (vigorous acid rxn)

350-370' DK green phosphatic clayey silt, calcareous. Stringers of gray clay; small amt shell

370'-400' DK green phosphatic clayey silt; coarse, angular quartz grains

400-460' Olive green phosphatic clayey silt w/ stringers of soft LS (acid rxn). LS appears as small friable lumps or coatings in sample. Trace of shell frags.

460-520' As above, w/ calcareous mat'l increasing to 500', then a bit less. Lg. amt. fine grained phosphatic mat'l.

520'-570' Highly phosphatic, chalky silt, lt. green in color. Some very large phosphate grains \square , as well as abundant sand-sized grains (of phosphate)

570'-630' As above; Chalky phosphatic mat'l increasing. Lg. phosphate grains

630-650' White soft (chalky) phosphatic LS. Contains some lg. phosphate grains which have weathered out of the chalk. Green silt absent at this depth

Top of Ocala Group
640-650' soft white LS. Some lg. phosphate grains (contaminant from higher up?), shell fragments, moderate amt. Lepidocyclina sp.

650-700' soft white LS + lime sand-sized grains. Abundant Lepidocyclina sp., Small amt. bivalve fragments.

700-770' As above.

770-780' Soft white LS + shell; Lepidocyclina diminishing

780-840' Li granules; shell, including some Lepidocyclina. A few Dictyonis sp (possibly - very small) appearing in 820-840' interval

42.381 50 SHEETS 5 SQUARE
42.382 100 SHEETS 5 SQUARE
42.383 200 SHEETS 5 SQUARE



City of Okeechobee
Permit #SF05180-A

Grout Thickness & Depth	Casing & Screen Diameter & Depth	Depth (ft)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes Give color, grain size, and type of material Note cavities, depth to producing zones.
		From	To	

3 1/2"-0	12"-0	0	3	Fine White Sand
		3	8	Roots, black sand fine.
		8	12	Sandy Black clay, roots.
		12	17	Fine white sand.
		17	21	Brown sandy clay
		21	25	Fine white sand
		25	30	Green sandy clay, very little shell
		30	45	Med. to small shell, sandy clay, lots of sand
		45	60	Med to small shell, (blue) lots of sand
		60	73	Green sandy clay, lots of sand
		73	80	Blue green clay
		80	100	Green sandy clay, shell
		100	120	Small to med shell, sand
		120	130	Small to med shell, cemented sand
		130	140	Small to med shell, lots of sand
		140	160	Small to med shell, green sandy clay
		160	170	Small to med shell, lots of sand
		170	180	Small to med shell, lots of sand, green sandy clay
		180	220	Cemented blue sand & shell
		220	230	Small to med shell, cemented sand
		230	240	Shell green sandy clay
		240	260	Green sandy clay
		260	280	Green clay
		280	300	" "
		300	310	Green sandy clay, small shell
		310	320	Green sandy clay, med shell
		320	340	" " " " "
		340	360	" " " " "
		360	380	Green sandy clay
		380	400	Green sandy clay, big grain sand, shell
		400	420	Light green sandy clay
		420	440	" " " "
		440	460	Stiff gray clay
		460	470	" " "
		470	480	Gray clay, limerock, black specs
		480	490	Green clay, little limerock
		490	500	Gray clay limerock
		500	510	Green clay, black specs
		510	520	Gray clay limerock
		520	540	Gray clay limerock, black specs
		540	560	Gray clay, limerock, black specs
		560	570	" " " " "
		570	580	Dark gray clay, limerock, black specs
		580	590	Gray clay, limerock
		590	600	Dark gray clay, limerock, black specs
		600	610	" " " " "
		610	620	Gray clay, limerock
		620	627	" " "
3 1/2"-630	12"-630	627	635	Blue limerock
		635	640	White & tan limerock
		640	660	Tan limerock

City of Okeechobee
Permit #SF05180-A

Grout Thickness & Depth	Casing & Screen Diameter & Depth	Depth (ft)		DRILL CUTTINGS LOG Examines cuttings every 20 ft. or at formation changes Give color, grain size, and type of material Note cavities, depth to producing zones.
		From	To	

		660	680	Tan limerock soft
		680	700	" " "
		700	720	" " "
		720	740	" " "
		740	760	" " "
		760	780	" " "
		780	840	Tan limerock

80' 20" Surface Casing
(grouted top to bottom 2")

Sodium Chlorides 900PPM
TDS 1500PPM