

W-4480
(E. W. Bishop)

OWNER : Florida Industrial School for Boys,

Okeechobee, Florida

LOCATION : 4 miles north of Okeechobee, Fla.,

Highway #441 T36S-R35E-27

COUNTY : Okeechobee

DRIILLER : Gray Well & Pump Co., Jax., Fla.

ELEVATION :

STARTED : November 23, 1957

COMPLETED : December 13, 1957

DEPTH : 825'

CASING : 6 25' of 12"

HEAD :

YIELD : 35 gpm (flowing); 400 gpm (pumping)

DRAWDOWN : 80'

USE : Domestic

QUALITY : Fresh

REMARKS : 43 samples, from 0-825', were

received from the Gray Well & Pump

Co., Jacksonville, Fla.

0-10

QUARTZ SAND, dark yellowish-gray, fine to medium - average medium,

curvilinear, frosted.

10-20

SHELL MARL, broken shell fragments in slightly clayey, olive-drab,

fine to medium quartz sand. Chione cancellata, Turella sp., Oliva sp.,

20-33

and others.

As above.

33-45

As above but with much clay.

45-65

CLAY, dark grayish-green, very finely sandy, slightly shelly.

65-85

SHELL MARL, broken shells in slightly clayey, slightly sandy, dark

yellowish-gray quartz sand.

TOP MIOCENE

85-105

SHELL MARL, broken shells in very phosphoric (black, rounded

pebbles), calcitic, slightly clayey, olive-drab quartz sand. Sharks

teeth, echinoid spines, Pecten sp.

105-125

As above but darker in color.

125-160

No sample.

160-180

QUARTZ SAND, dark yellowish-gray, slightly clayey, phosphoric,

mollusk fragments very abundant.

180-200

As above but darker in color.

CLAY, very dark bluish-green, sandy, very finely micaceous, calcitic,

phosphoric, with mollusk fragments.

220-240

CLAY, very dark bluish-green, slightly sandy, finely micaceous, with a

few small fragments of shell.

240-260

CLAY, dark olive-drab, very sandy, phosphoric, with mollusk fragments.

As above.

260-280

As above.

280-300

As above.

300-320	QUARTZ SAND, dark olive-drab, clayey, shelly, phosphoric, fine to very coarse.
320-340	As above but with less very coarse quartz sand.
340-360	As above.
360-380	CLAY, light olive-drab, slightly micaceous, very sandy (fine to coarse), shelly, phosphoric.
380-400	As above but not as sandy.
400-420	As above.
420-440	As above.
440-460	As above.
460-480	As above.
480-500	CLAY, light olive-drab to light yellowish-gray, very finely calcitic, slightly micaceous, finely sandy and phosphoric, shell fragments.
500-520	As above but very phosphoric.
520-540	As above.
540-560	As above.
560-580	As above.
580-609	As above but mostly olive-drab in color.
609-620	LIMESTONE, light to some dark yellowish-gray, calcitic, hard, sandy, phosphoric, molds and casts of mollusks and mollusk fragments.
CRYSTAL RIVER	
620-640	LIMESTONE, light yellowish-gray, very finely granular, slightly calcitic, fairly hard, poor intergranular porosity. <u>Gypsina globula</u> , echinoid spines, <u>Camerina</u> sp.
640-660	As above plus <u>Lepidocyclina ocalana</u> - <u>Camerina</u> sp. very abundant.
660-680	As above.
680-700	As above - cuttings very fine.
700-720	No sample.
720-740	As 640-660.
740-760	As above.
760-780	As above - very fossiliferous.
AVON PARK	
780-800	LIMESTONE, yellowish-gray, finely granular in chalky to crystalline matrix, soft, low intergranular porosity. <u>Coskinolina floridana</u> , algae fragments, <u>Textularia coryensis</u> .
800-825	As above.

Driller's Log
W-4780

OWNER : Fla. Industrial School for Boys
 LOCATION : 4 mi. N. of Okeechobee, Fla. on Highway #471
 COUNTY : Okeechobee
 DRILLER : Gray Well & Pump Co. Jacksonville
 STARTED : Nov. 23, 1957
 COMPLETED : Dec. 13, 1957
 DEPTH : 825'
 CASING : 625' of 12"
 HEAD : Flowing
 YIELD : 35 gpm natural, 400 gpm pumping
 USE : Domestic
 REMARKS : 40 samples 0' - 825' sent in by Gray Well & Pump Co. on Jan. 1, 1958, by express.

0 - 10	Sand
10 - 20	Sandy clay
20 - 33	Sandy clay
33 - 45	Clay and shell
45 - 65	Sandy clay
65 - 85	Shell and marl
85 - 105	Soft shell
105 - 125	Stiff clay and marl
125 - 145	Light blue marl
145 - 165	Stratas of rock and sand
165 - 180	Stratas of rock and sand
180 - 200	Sandy marl
200 - 220	Stiff marl
220 - 240	Same
240 - 260	Sandy marl
260 - 280	Shell and marl
280 - 300	Green marl
300 - 318	Sandy marl and rock
318 - 320	Rock
320 - 340	Rocky marl
340 - 360	Same
360 - 380	Sandy rock
380 - 400	Sand and rock
400 - 420	Gray marl
420 - 440	Stiff gray marl
440 - 460	Stiff green marl
460 - 480	Rock
480 - 500	Gray chalk and mud
500 - 520	Stiff chalky mud
520 - 540	White chalky marl and stratas rock
540 - 560	Chalky marl
560 - 580	White chalky sandy mud and rock stratas
580 - 600	Sandy mud
600 - 620	Same
620 - 640	Limerock
640 - 660	Soft rocky lime
660 - 680	Soft limerock
680 - 700	Soft lime

W-11180
Driller's Log

700 -	720	Soft lime
720 -	740	Soft lime
740 -	780	Medium soft lime
780 -	800	Soft lime
800 -	825	Same