

W-4572  
 C. W. Hendry, Jr. 11/13/59

OWNER : Florida Industrial School for Boys  
 LOCATION : Well #1, 4 mi. N. of Okeechobee,  
 on Highway 441 T 365-R35E-27  
 COUNTY : Okeechobee  
 DRILLER : Gray Well & Pump Co., Jacksonville  
 STARTED : Jan. 20, 1958  
 COMPLETED : Feb. 1, 1958  
 DEPTH : 725'  
 CASING : 477'  
 HEAD : Flowing  
 YIELD : 35 gpm/Nat. 346/pump  
 USE : Domestic  
 DRAWDOWN : 85'  
 QUALITY : Fresh  
 REMARKS : 38 samples 0-725' sent in by Gray  
 Well & Pump Co., in person in January,  
 1958.

0-20 QWARTZ SAND, pale yellow-brown, fine to medium, subangular to  
 subrounded, grains coated with clayey matrix.  
 20-40 QWARTZ SAND, pale yellow-brown, fine to medium with some coarse  
 grains - clay matrix coating on grains. Many macro shell fragments.  
 Echinoid spines, Oliva sp., pectens and gastropods.  
 40-60 As above, with more shell fragments and yellow-gray in color.  
 SHELL MARL, very pale orange, some fine to medium sand, broken  
 macro shells very abundant.  
 80-100 As above.  
 100-105 As above.  
 105-125 SILT, pale olive to dusky yellow-green, clayey and very finely sandy.  
 Some microfossils and few macrofossils. Few phosphorite grains.  
 125-145 As above, with increase of phosphorite.

TOP MIOCENE

145-165 SHELL marl, yellowish gray, abundant broken shells, calcitic,  
 slightly clayey, phosphoritic, sandy.  
 165-185 As above.  
 185-205 As above, with increase in sand.  
 205-225 As above, but darker in color with increased phosphorite; CLAY, pale  
 olive, slightly micaceous, silty, phosphoritic, soft.  
 225-245 CLAY, yellowish gray, soft, silty to finely sandy, phosphoritic,  
 microfossils, few shell fragments.  
 245-265 CLAY, grayish olive, as above.  
 265-285 QWARTZ SAND, pale olive, fine to coarse, grains coated with clayey  
 matrix, few shell fragments.

285-305	QUARTZ SAND, grayish olive, fine to coarse, in clay matrix, micaceous, phosphoritic, silty. Few shell fragments.
305-325	As above, with more increase in fine sand and clay.
325-345	QUARTZ SAND, pale olive, very fine to fine, with some coarse, very calcitic, phosphoritic, clayey.
345-365	QUARTZ SAND, pale olive, very fine to coarse, clayey, very calcitic, phosphoritic.
365-385	MARL, pale olive, very much as above with less medium to coarse sand, slightly micaceous.
385-405	As above.
405-425	As above.
425-445	CLAY, pale grayish olive, slightly silty, microfossiferous, blocky.
445-465	As above.
465-472	As above.
472-477	LIMESTONE, pale greenish yellow, soft, very finely crystalline, very abundantly finely phosphoritic, with large (5-10 mm) phosphorite pebbles, finely sandy.
477-505	As above.
505-525	As above.
525-545	As above.
545-565	As above.
565-585	As above.
585-605	As above, with increase of large pebbles of phosphorite.
605-625	As above.
625-645	As above, with marked decrease in phosphorite.
645-665	As above.
EOCENE - CRYSTAL RIVER	
665-685	LIMESTONE, very pale orange, very finely crystalline, finely ground up, microfossiferous. <u>Operculina</u> sp., Echinoid spines, <u>Gypsina globula</u> , <u>Rotalia</u> sp.
685-705	As above, but becoming micrococquinoïd.
705-725	As above. <u>Lepidocyclina</u> s abundant. <u>Camertinas</u> abundant.

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Driller's Log

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0 - 30	Sand
30 - 33	Shell
33 - 65	Shell & Sandy Marl
65 - 85	Shell & Marl
85 - 105	Shell
105 - 125	Stiff Blue Marl
125 - 145	Gray Sandy Marl
145 - 185	Gray Marl & Streaks of shell
185 - 225	Gray Sandy Marl
225 - 300	Gray Marl
300 - 301	Hard Streak of Rock
301 - 318	Soft Marl
318 - 320	Rock
320 - 345	Sandy Marl & Rock Strat
345 - 365	Sandy Marl
365 - 385	Sandy hocky Marl
385 - 405	Sandy Rock
405 - 425	Gray Marl
425 - 472	Stiff Marl
472 - 477	Rock
477 - 485	Soft Rock
485 - 545	Gray Chalky Marl
545 - 605	Chalky Marl with Rock Strates
605 - 625	Soft Sandy Marl
625 - 725	Soft Rock