

OWNER: Okeechobee Company (F. E. C. Rwy.)
LOCATION: Lot 5, Block 134 Okeechobee
COUNTY: Okeechobee
STARTED: January 6, 1914
COMPLETED: December 1915
DEPTH: 810'
CASING: 150' of 10"; 307' 6" of 8".
REMARKS: 40 samples starting at surface and ending
at 810'.

- 0-2 Very fine, even, grained, angular, clear quartz sand.
2-12 Brown (iron-stained) fine, angular, clear quartz sand.
12-15 Fine, angular, somewhat uneven grained, clear quartz sand.
15-38 Fine, angular moderately even grained clear quartz sand.
38-41 > Cuttings of dark gray, somewhat gypsiferous clay, and a small amount of sand, as above.
41-56 > Brownish gray, fossiliferous, and highly sandy clay. Washed-moderately large residue of worn and broken shell fragments, some Bryozoan fragments and many Echinoid spines.
56-62 Sample consists largely of shell fragments, generally too badly worn and broken to be determined. Many fragments of *Barnea* sp. (a beach form) present. A small amount of clear quartz sand.
62-65 > Cuttings of brownish gray, fossiliferous and sandy clay. Fossil material consists mainly of finely broken shell fragments. Many specimens of:
 Amphistegina gibbosa
and some of:
 Elphidium incertum
 Annomalina basiloba
 A number of Ostracods
65-81 Cuttings of worn and broken shell fragments including many fragments of *Barnea* sp. About 50% clear quartz sand and foraminifera as above.
81-87 > Cuttings of brownish gray, highly sandy clay carrying some shell fragments and a few foraminifera, species as above.
87-90 > Cuttings of gray, highly sandy clay carrying some shell fragments and a few very small foraminifera. The sand, which forms 75% of the washed material is a fine grained, angular sand and contains about 5% very small black, phosphatic nodules. A few Specimens of:
 Bulliminella elegantissima
 Globigerina bulloides
 Rotalia beccarii
 Elphidium incertum
present, and some species as noted from the preceding samples.

- 94-139 Cuttings of moderately fine grained, angular, clear quartz sand with about 5% small, black, phosphatic pebbles and about 10% small, worn, chalky fragments of fossil material. A number of foraminifera. Common species:
 - Amphistegina sp.
 - Elphidium incertum
 - Nonion grateloupi
 - Textualria cf. mayori
 - Rotalia beccarii
 - Cibicides sp.
- 139-158 > A few other species of foraminifera and several species of Ostracods present.
- 139-158 > Cuttings of a highly sandy, grayish tan colored clay carrying some shell fragments, many specimens of Elphidium incertum, and a very small amount of phosphatic material.
- 158-175 > Cuttings of a dark gray, highly sandy, and somewhat phosphatic clay, similar to the preceding. A few shell fragments and many specimens of Elphidium incertum, as above.
- 175-212 > Cuttings of a black, somewhat gypsiferous clay carrying some large nodules of phosphatic material.
- 212-240 > Cuttings of an argillaceous, brownish gray, uneven grained (fine to moderately coarse) clear quartz sand. A few phosphatic nodules and a few shell fragments present.
- 240-245 > Cuttings of sand, as above, and about 50% fragments of a black, sandy and gypsiferous clay. A few shell fragments and a small amount of phosphatic material also present.
- 245-276 > An uneven grained, black stained (apparently from a black clay matrix) clear quartz sand. A few phosphatic nodules, a few fragments and Echinoid spines.
- 276-300 > Sample about 50% highly and finely sandy black clay, and 50% very fine grained sand washing from same.
- 300-380 Cuttings of dark brownish black stained, fine, clear quartz sand, and some small phosphatic nodules. Sand apparently stained from the clay matrix in which it was originally imbedded.
- 380-403 > Cuttings of a green, unctuous clay. Washed - Very small residue of sand, clay fragments, about 25% selenite and many specimens of:
 - Robulus americanus
 - Robulus sp.
 - Textularia gramen.
- 403-458 > Cuttings of greenish gray clay. Washed - Moderately small residue composed of small fragments of the clay, some worn shell fragments, about 75% uneven grained (very fine to moderately coarse) clear quartz sand. A few foraminifera and Ostracods common foraminifera:
 - Textularia gramen
 - Globigerina bulloides
 - Cibicides concentrica
 - Globigerina sacculifera
 - Eponides sp.

OWNER : Okeechobee Company (FEC Rwy
LOCATION : 2490' from W line, 540' from
S line. Sec. 16, T37S, R35E
(Lot 5, Block 134)
COUNTY : Okeechobee
ELEVATION : 31.3 Grd. (Oil Scouts)
DRILLER :
STARTED : January 6, 1914?
COMPLETED : December 1915?
DEPTH : 810'
CASING : 150' of 10"; 307' 6" of 8"
HEAD :
YIELD :
USE :
DRAWDOWN :
QUALITY :
REMARKS : 40 samples, 0-810'.

0-2 Fine gray sand and soil
2-12 Fine sand, chocolate colored - some of it indurated with organic
11-15 matter, ordinary hardpan.
12-15 Gray or slightly brownish indurated sand (not marl)
15-38 Gray sands
38-41 The sample preserved consists chiefly of black clay containing
considerable sand, one fragment of shell, but aside from this
no indication of marl.
41-56 Sandy shell marl, shells much broken
56-62 Shell mari, Pecten, barnacles, etc., marine shallow water marl.
62-65 Gray sandy marl with broken shell similar to No. 6
65-81 Coarse clear grain sand and broken shell. Ostrea turritella, Bryozoa
81-87 Sandy marl with broken shell. Pecten
87-94 Very sandy olive colored marl
94-139 Light gray and coherent sand
139-158 Light colored sandy marl with shell fragments. Pecten.
Occasional phosphate pebbles. Black and shiny.
158-175 Olive green sand or very sandy marl.
175-212 Olive green clay with black smooth shiny pebbles phosphatic.
212-240 Dark colored very sandy marl or calcareous sands, some broken
shells.
240-245 Olive green, very sandy and calcareous clays or clayey sands.
245-276 Very sandy dark-colored marl with shell fragments.
276-300 Calcareous and very sandy clay or clayey sand
300-380 Dark colored sand, broken rock and shell fragments.
380-403 Very sandy dark colored marl, sand grains small.
403-458 Light colored sandy marls, some shell fragments.
458-468 Dark gray and broken shells.
468-500 Drab colored clay.

- 41-87 Pliocene - Fossiliferous, sandy, gray, and brownish gray clays, and fine, argillaceous sands.
- 387-650 Miocene Greenish and brownish gray sandy and fossiliferous clays. A large amount of phosphatic material.
- 650-810 Ocala upper Jackson. Eocene. Chalky, somewhat gypsiferous, highly fossiliferous limestone.

APPENDIX

- 458-468 Cuttings of greenish gray clay as above. Washed - Small fragments of hard, black clay, about 25% phosphatic nodules, and a few fish bone fragments, about 25% rounded, uneven grained quartz sand. A few shell fragments and foraminifera which may be caving.
- 468-500 Cuttings of brownish gray clay. Washed - Moderately small residue of slightly sandy fragments of the clay carrying many small, chalky worn and broken fragments of fossil shell material, many Bryozoan fragments, a few fragments of crab claws about 25% small phosphatic pebbles, fragments of fish bones and teeth and some fragments of phosphatic molds of small Gastropods and Pelecypods. A few poorly preserved specimens of *Robulus* sp. and a few foraminifera as listed from (403-58). These may be caving. Common species, apparently indigenous:
- Robulus* sp.
 - Globigerina bulloides*
 - Cibicides concentrica*
 - Bulimina gracilis*
 - Elphidium sagrum*
 - Cibicides americanus*
 - Globigerina sacculifera*
 - Amphistegina* sp.
 - Cancris sagrum*
 - Uvigerina pygmea*
- 500-510 Cuttings of gray clay. Washed - Small residue composed of finely broken and worn fragments of shell material, some very small fragments of Lepidocyclina ? sp. and Operculinoides sp. A few small phosphatic pebbles.
- 510-530 Sample composed of about 50% small phosphatic nodules, fragments of fish bones and teeth, and 50% finely broken shell material, including some fragments of Lepidocyclina ? sp. and Operculinoides sp. ? A few fragments of brownish gray clay which apparently formed the matrix in which the other material was imbedded. A small amount of fine quartz sand.
- 530-550 Cuttings of light to dark brownish gray clay-shale, about 75% finely broken shell material including small fragments of Operculinoides sp. ? About 50% of the sample phosphatic material.
- 550-570 Like the preceding. Some selenite also present and some specimens of smaller foraminifera which may be caving from higher depths. Many specimens of *Cibicides americanus*.