P52

J. A. Phifer
Tide Water
Alachua County, Florida
(Upper Part)
Report By: E. R. Applin

Report on Tide Water Phifer, Alachua County, Florida (Upper Part).

THIS LOOKS LIKE A BRYOZOAN FRAG ME TO (BOX WORK) JM

2030 - 40' Top of Upper Lawson	Introduction of fragments of a white, nodular textured, highly gypsiferous and porous limestone. Some Rudistid fragments present.
2040 - 60'	Materials like the above. No fossils noted.
2060 - 70'	Like the above and about 50% fragments of a light tan crypto-crystalline to crystalline, irregularly pitted limestone.
2070 - 80'	Like the preceding.
2080 - 90'	White crypto-crystalline to crystalline, porous, gypsiferous limestone. A few small questionable molds of Vaughanina cf. cubensis.
2090 - 2100'	Like the preceding. Some vague traces of fossils but no determinable specimens noted.
2100 - 10'	Very light tan crypto-crystalline limestone. Some free gypsiferous material, occasionally porous.
2120 - 30'	Like the preceding.
2130 - 60'	No change.
2160 - 70'	Tan crypto-crystalline dolomitic limestone. Some free gypsum.
2170 - 80'	Tan crypto-crystalline to finely granular crystalline dolomitic limestone.
2180 - 2210'	No change.
2210 - 20'	Grayish-tan crypto-crystalline to finely granular crystalline gypsiferous, dolomitic limestone.
2220 - 50'	No change.
2250 - 60'	Light tan dolomite like preceding in character.
2260 - 70' Top of Lower Lawson, about 2250 by Schlumberger.	Like the preceding. Also, about 10% small fragments of white chalk. Some specimens of Sulcoperculina cosdeni and a few small fragments of Lepidorbitoides species.
	No samples (this set. (2270 - 2830')

J. A. Phifer Est. #1
Tide Water
1983' S & 1979' W NE/c, Sec. 24-9S-21E
Alachua County, Florida
Elevation: 132' D.F.
Total Depth: 3228'
Report By: E. R. Applin
Date: February 1948

Herewith report on samples studied from the Tide Water Phifer #1 in Alachua County, Florida.

2690-2700 Cut. White & crm colored dolomitic fos ch, many Inoceramus prisms & frags, numerous frags of hd, lt brn crypto-crystalline dol. Some specimens of Anomalina sp. usually indicative of Lower Taylor & other forams Ostracods. Frags of some macro-fos other than Inoceramus, also present. Some of the fsl mat obviously caving.

2700-10 Like the above, also (2710-20')(2720-30')(2730-40')(2740-50')(2750-60')(2750-60')(2760-70')(2770-80')(2780-90')(2790-2800')(2800-10')(2810-20')(2820-30')(2830-40')(2840-50')(2850-60')(2860-70')(2870-80')(2880-90')(2890-2900').

2900-10 Cut of apparently finely sdy crm colored dolomitic chalky ls.

2900-10 Core #1. Wh chalk, highly impregnated with fine sd, some dol & finely fragmental calcitic mat. Some frags of Inoceramus & a few Ostracods noted in ls.

2910-20 Cut of fine sd, fine cryst dol & about 30% small frags of ch & of fos mat. Much of micro-fos mat obviously caving.

2920-30 Like the preceding, also (2930-40')

2940-50 Cut of crm colored dolomitic chalky ls. Some forams & Ostracods. No species indicative of beds older than Taylor noted.

2950-60 Similar to above, but about 25% of sample very fine to mod fine qtz sd.

2960-70 As above with sd about 50% of washed sample.

2970-80 Cut of material similar to that cored at 2900-10' & about 10% fine to mod fine sd. Some cavings from much higher depths. Some Inoceramus frags.

2980-90 Mat as above. Fine to cse clear qtz sd at least 50% of sample.

2990-3000 Like the preceding.

3000-10 Core #2. Top: Dse, tan colored, finely sdy dol. Dol is gypsiferous & contains a small amt of carb mat.
Bot: Approx. top Sandy Miliolid Chalk. Ch, highly & finely sdy. Contains some frags of macro-fos & a few questionable sections of Miliolids.

3010-20 Core #3, Top: Material & fauna same as described from bot of preceding core.
Mid: A highly sdy wh ch or ch sd. Sd forms over 50% of mat, is fine & even grnd, clear quartz with are dol crystals. A few small frags of carb mat.
Bot: Mat similar to above. Chalky molds of Miliolids very abdt in the more chalky portions of the sample. A trace of glauc.

3210-15 Core #23. Top: Grnish gy ss similar to bot of preceding core but more glauconitic.
Bot: Tan colored, silty ss with some shreds of carb mat. Matrix is questionably dol. Sd grns as described. Bot of preceding core.

3215-17 Core #24. Top: Similar to Bot of preceding core, less carb mat a few nods of glauc.
Bot: lt grnish gy, mod, soft argil ss. A little gy-grn waxy sh. Sd is fine to mod cse, sub-angular to rounded, well etched.

3217-19 Core #25. Top of Paleo. Note on empty bag. "2 pieces of quartzite about 1½" each size of core barrel."

3219-3220 Core #26. Rec. 8". Top: Note on bag. "Has nugget of blue-wh anhy with piece of quartzite on side." Dense wh, quartzite-like ss.
Bot: Quartzite as above, sl mica (colorless) & with a little pyrite also present.

3220'8"-23 Core #27. Note on bag. "Quartzite some softer."
Quartzite as above, sontains some colorless mica.

3223-25 Core #28. Quartzite.

3225-27 Core #29. Quartzite with a little colorless mica.

3227-28 Core #30. " , splotches of pyrite common.

E. R. Applin

FLA-AL-OT-4

10-20 | wh, micro, ind, v sdy ls Sd is wh, f, ang, qtz

20-30 | v f, wh, ang qtz sd v well sorted

30-40 | f, wh, SR, fairly well sorted, qtz sd

40-50 | do but M-f

50-60 | do

60-70 | do

70-80 | do

80-90 | do

90-100 | do

100-10 | do w/ minor micro, wh ls

110-20 | C, gry, SR, qtz sd w/ crmy-ltgry micro, foss, ind ls

120-30 | do but abundant ls

121 | do

122 | do

130-40 | crmy-ltgry micro, ind, foss ls w/ some pieces slightly dol tz

140-149 | do

159 | brn, micro, vuggy, porous dol

160-70 | do

170-80 | do but dk brn-crmy, + v vuggy

180 | do

180-90 | do but brngry

190-200 | do

200 | Tan-brn gry, micro, vuggy porous dol tz, fossils

200-10 | do

210 | Vlt gry, micro, ind ls w/ blk specks w/ abundant blk, vc phos nodules

210-20 | do

220-30 | gry-brn gry, micro, tight, uneqxl, phosphatic dol Phos is blk, f, nodules

230-40 | do Also sdy w/ f, rd, wh qtz sd

240-50 | do

250-60 | do

260-70 | buff, cryptx, tight dol

270-80 | crmy, f xtly, v sdy, tight dol Sd. is f-m Rd, wh qtz

280-90 | do but less sd

291 | do

291-400 | N.S.

400-10 | crmy-wh, vf-micro tight dol w/ abundant vc, rd, phos nodules

410-20 | do phos is blk-lt brn

420-30 | do

430-600 | N.S.

670-80 | lt-dk tan, vf xtly, porous, uneqxl dol

680-90 | do

690-700 | crmy, ind ch

700-10 | do

710-20 | crmy, micro, ind, chy, foss ls

720-30 | do

730-40 | do

740-50 | do

750-60 | SAME (740-70)

760-70 | brn, m xtly, tight dol

770-80 | chy ls as above

780-90 | dd as above

790-800 | do w/ some pieces stained v dlkbrn

800-10 | do but sacc

810-20 | do

820-30 | do

830-40 | dkbrn, c xtaly, sacc, tight dol

840-50 | do but M xtaly

850-60 | do + a little lighter brn

860-70 | lt-m brn, micro-vf xtaly porous dol w/ minor lt brn-amber, v arg cht

870-80 | do

880-90 | do

890-900 | lt-dk brn, M xtaly, somewhat sacc, tight dd w/ minor cht as above

900-10 | do

910-20 | do

920-30 | lt-dkbrn, c xtaly, sacc, tight dol w/some scattered small vugs

930-40 | do

940-50 | do

950-60 | do but M xtaly

960-70 | do

970-80 | do

980-90 | lt-dlkbrn, f xtaly, porous dol

990-000 | do

1000-10 | do but M xtaly sacc

1010-20 | do but c xtaly sacc w/ minor blk v carbonaceous, blocky, softish

1020-30 | lt-dk brn c xtaly sacc, tight dol w/ some small vugs & minor sh as above

1030-40 | do

1040-50 | N. S.

1050-60 | lt brn, c xtaly sacc, tight dol

1060-70 | do

1070-80 | do

1080-90 | do

1090-00 | do w/ scattered vugs

1100-10 | do

1110-20 | do but m xtaly tan & no vugs

1120-30 | do but c xtaly

1130-40 | do

1140-50 | do

1150-1370 | N. S.

1370-00 | tan-m brn, micro, tight, hard dol

1400-10 | do but f-micro

1410-20 | dk-m brn, vf-f xtaly tight dol w/ widely scattered vugs

1420-30 | lt-dk brn-ltgry, m-vf xtaly, tight dol w/ widely scattered small vugs

1430-40 | do but f-micro

1440-50 | lt-dk gry, f xtaly, tight dol

1450-60 | do

1460-64 | do

1464 | do

1460-70 | do

1470-80 | do w/ wh, f xtaly porous dol

1480-90 | vlt crmy, f-micro, tight dol
1490-00 | do w/ widely scattered small vugs
1500-10 | do
1510-20 | do
1520-30 | do
1530-40 | do but all micro
1540-50 | do
1550-60 | do w/ pockets of catalyn, euh dol
1560-70 | do
1570-80 | do but lt-dk tan-crmy
1580-90 | do but all vlt tan
1590-00 | do but lt tan-ltgry
1600-10 | do
1610-20 | lt brngry, micro, tight dol w/ v few widely scattered small vugs
1620-30 | SAME (1650-60)
1630-40 | do
1640-50 | do
1650-60 | lt brngry, micro, porous, vuggy, ind dol
1660-70 | do
1670-80 | do
1680-90 | do but crmy
1690-00 | do
1700-10 | do
1710-20 | do but crmy-vltgry
1720-30 | SAME (1730-40)

gyp is wh, pure, soft, micro

1730-40 | Crmy-ultgry, micro, porous, vuggy, gypsf dol. Ool ls relict texture still visible

1740-50 | do ool ls texture v evident. Doltz ool in wh, micro gyp matrix

1750-60 | do but wh-buff

1760-70 | do

1770-80 | do

1780-90 | do

1790-00 | do

1800-10 | do

1810-20 | do

1820-30 | do

1830-40 | do

1840-50 | do

1850-60 | do

1860-70 | do

1870-80 | buff micro, porous, vuggy, gypsf, ind dol w/ abundant wh, f, SR qtz sd

1880-90 | dol AS 1860-70

1890-00 | dol AS 1870-80 but no qtz

1900-10 | do

1910-20 | N.S.

1920-30 | do

1930-40 | N.S.

1940-50 | do

1950-60 | do but f xtaln

1960-70 | do

1970-80 | do

1980-90 do

1990-00 do but micro

2000-10 do

2050-60 do

2100-10 do

2110-20 do but tight & not vuggy

2150-60 do

2200-10 do

2210-20 do

2220-30 do

2230-40 do

2240-50 do but porous

2250-60 do

2260-70 do but fractaly

2270-80 do

2280-90 do

2290-00 do

2300-10 do

2310-20 do

2320-30 do but tight

2330-40 do

2340-50 do but porous

2350-60 do

2360-70 do

2370-80 do

2380-90 | do

2390-00 | do

2400-10 | wh-crmy, foss, ind ch w/ abundant crmy, micro-f xtaln, porous dol + abundant Inoceramus prisms + brn, vf xtaln, tight dol

2450-60 | do

2510-20 | do

2580-90 | do

2700-10 | do

2800-10 | do

2860-70 | do

2870-80 | do

2890-00 | do

2900 | do

2900-10 | wh-crmy, ind, foss, dolic ch Dol is f, euh replacement of chy ls [Core Starts]

2910-20 | do but dol is c, brn, euh replacement of chy ls

2920-30 | do

2930-40 | do

2943 | do

2940-50 | do but dol is f

2953 | do

2950-60 | do

2960-70 | do

2970-80 | do

2980-90 | do

2990-00 | do

3000 | wh, micro, ind, sdy ls Sd is wh, vf qtz

3000-10 do but Sd is f-M

3010-20 do

3020-30 do

3030-40 do

3040-50 do

3050-60 do

3060-70 do

3070-80 do

3080-90 do

3090-00 wh, f, SR, w sorted qtz sd

3100-10 do but wh-gny

3110-20 do

3120-30 do

3130-40 do

3140-50 do

3150-60 do

3160-70 do

3170-80 do but just wh

3180-90 do

3190-00 do

3200-10 do

3210-15 do

3215-17 do

3217-19 do

3220-30 do

3220-23 do

3223-25 do

3225-27 do

3227-28 do