P93 24-25-16E

Sun Oil Company
#1A M. W. Sapp
Columbia County, Florida

1700-10	Gyish tan, finely porous highly gypsiferous dolomitic ls. Material has a very finely oolitic or globular texture.
1710-20	Tan & gy gypsif porous ls, similar to preceding.
1720-30	Tan & lt brn porous, highly gypsiferous ls, some traces of an original fossil content.
1730-40	Like the preceding.
1740-50	Gypsif lt brn porous dolomitic ls showing traces (partial molds & casts of an original faunal content, many frags of ls cryptocrystalline & rather coarsely porous. Approx top of Transition zone. W. Lawson.
1750-60	No change.
1760-70	Lt brn dol & highly gypsif ls, some small pocket shaped depressions or impressions of microfos (?). Ls otherwise dense, irreg ~~shaped &~~ spotted w/gyp generally cryptocrystalline in texture.
1770-80	No change.
1780-90	Lt tan highly gypsif dol cryptocrystalline ls. Some pitted areas as above.
1790-1800	No change.
1800-10	Similar to above but very highly gypsif about 75% gyp.
1810-20	Material as in preceding sple, some molds of a mod small, disk shaped foram, one of which shows the thick serrate edge & has general appearance of Sulcoperculina (Wilcoxi) n. sp, some frags of macrofos, one with a Rudistid-like structure & a large Echinoid spine (See #13 to 17 on slide)
1820-30	Mat & a few molds of microfos as above.
1830-40	Mat as above, a few frags of fos molds. One mold & frag of Orbitoides brownii (See #18 & 19 on slide)
1840-50	Material as above, some traces of fossils.
1850-60	Lt tan, porous, dolomitic & gypsiferous ls. A few traces of fossils.
1860-90	No change.
1890-1900	Like the preceding, one mold of a mod large disk shaped foram (See #20 on slide).
1900-10	Lt tan porous dolomitic cryptocrystalline & somewhat gypsiferous ls. Some frags of micro & macrofossil molds.
1910-30	No change.
1930-40	Some molds & a section of Vaughanina cubensis, some frags of groups of tubular molds or of a strongly ribbed macrofos (See #21 & 22 on slide).
1940-50	Mat as above & many traces of micro & macrofos molds & mold frags.
1950-80	No change.
1980-90	Dol ls as above & highly gypsif tan colored mod coarsely crystal dol.
1990-2000	Similar to above, frags of porous, mod coarsely cryst dol fairly common.
2000-10	Mod coarsely crystalline, porous, irreg highly gypsif dol. (See #23 on slide).
2010-20	Mat like the preceding. Rarely gypsiferous.

2020-30 No change.

2030-40 Top of L. Lawson. Wh chlk w/some cavings of dol. Many specimens of Sulcoperculina cosdeni & some of Lepidorbitoides. (See #24 on slide).

2040-50 Like the preceding.

2050-60 As above. A species of Robulus also fairly common, some frags of Bryozoans & large Echinoid species. (See #25 & 26 on slide). Some bivalve frags & a few frags of Inoceramus sp.

2060-2220 No change.

2220-30 Lt gyish tan finely gran dol, some gyp, some chlk cavings.

2230-40 Dol above gyp 50%, chlk 50%.

2240-50 Dol, some gyp & a little chlk. Inoc frags more common.

2250-60 Like the preceding.

2260-70 No change.

2270-80 Top of Taylor. Chlk & dol, some gyp as above. Numerous frags of Inoceramus, specimens of Bolivina incrassata, Anomalina scholtzensis, Globotruncana ~~arca~~, Stensioina americana, Gyroidina globosa & several species of Ostracods. (See #27 on slide). Age Taylor.

2280-90 Chalk & about 20% dol as above. Abdt Inoc frags & prisms & fauna as above, also many specimens of Anomalina cosdeni, some specimens of Gyroidina micheliniana. (See #28 on slide).

2290-2300 Like the preceding. Also many specimens of Bolovinoides decorata.

2300-10 Chlk & many Inoc frags & prisms, Microfauna as above, a small amt of dol (prob caving).

2310-2400 Continues as above w/some samples showing abdt cavings.

2400-10 Chlk containing scattered crystals of dol (about 10%). Many Inoc frags & prisms & some frags of other bivalves. Some forams species of Anomalina as above most common.

2410-50 No change.

2450-60 Like the above w/some mod large barite crystals also present.

2460-90 No change.

2490-2510 Chlk, many Inoc frags & prisms, some barite & small forams as above.

2510-2600 No change.

2600-10 Chlk, many Inoc frags & prisms, some frags of other bivalves, a few of these pyritized. Some forams. No narrowly restricted forms noted.

2610-90 No change.

2690-2700 Approx top Austin. Chlk, many Inoc prisms & frags, some frags of other bivalves. Some frags of gray marly chlk.

2700-40 Like the preceding.

2740-50 Wh chlk, Inoc frags & prisms. Many frags of lt gy chlk.

2750-60 Lt gy & some wh chlk, many Inoc frags & prisms, some small forams, mainly small Anomalinas. Pyrite nods fairly common.

2760-2800 No change.

2800-10 Materials as above. Small Globigerinas also fairly common in fauna, some specimens of Planulina austinana.

2810-20 No change.

2820-30 Materials & fauna as above, some frags of gy chalky "white speckled" marl. Gumbelinas also common.

2830-80 No change.

2880-90 Similar to above, but "speckled marly chalk" frags, often brnish gy or lt brn. Globotruncanas, Globigerinas & Gumbelinas common in fauna. Several species of Globotruncana strongly dominate. (See #29 on slide).

2890-2950 No change.

2950-60 Mod hard white chalk w/much very fine calcitic mat (frags of micro & macrofos molds) & small globular calcitic bodies. Some gray marly chalk & some lt brn somewhat "speckled" chalky marl.

2960-70 Brnish gray, speckled marly chlk frags common. Some wh & gy chlk also present. Fauna as above, but small globular calcitic bodies also common in washed material. Gumbelinas relatively more abdt.

2970-80 Like the preceding.

2980-90 Gy, somewhat speckled marly chlk, some hd wh calcitic chlk, microfauna dominated by Globigerinas & Gumbelinas. Small globular calcite bodies common.

2990-3000 Like the preceding. Gy to gy brn, somewhat "speck" chlk strongly dominant. No change in microfauna.

3000-40 No change.

3040-50 Top of E. Ford. Some chlk & brn speckly marly sh, frags of sdy chlk & 50% fine grained tan cal ss, some nodules of dk gy sdy ls & highly pyritized ss, suggesting a once exposed contact. (See #30 on slide).

3048-58 Core #1, Rec. 9'. Fine, even grnd, cal & sl argil, lt gyish tan.sd.
Mid 1': Like top w/a few phos frags.
Same to 6th 1' where a thin lense of flaky gy grn shale. Then argil sd as above w/a few phos frags.

3058-70 Core #2, Rec. 7'. Top 1½': Grnish gy, argil sl mica, very fine even grnd soft qtz ss.
Mid: Like the top portion of core. A few small phos frags. A trace of glauc.
Bot: No change.

3070-80 Core #3, Rec. 3'8". Top 1½': Lt gyish tan, hd, cal fine even grnd ss. Some frags of fos bivalve (Ostrea sp) & a few phos frags.
Mid: Soft, gray, argil very fine grnd ss.
Bot: Soft gy, argil, very fine to fine grnd qtz ss.

3080-90 Core #4, Rec. 7½'. Top 1½': Gy, argil, very fine even grnd qtz ss. A small amt of very fine grnd glauc, a few phos nods. Trace of mica.
Mid 1½': Gy, soft, argil fine grnd ss. Some shreds of carb mat. A few phos nods. Trace of mica.
4th 6": Hard, dk gy sh w/irreg thin very fine grnd cal ss & siltstone lenses. A trace of mica, some fragmental chlky molds of fos bivalves. A trace of glauc in ss lenses. Some fragmental fos mat scattered thru shale giving it somewhat speckled appearance. Some specimens of Globigerina & a few of Planulina eaglefordensis present. (See #31 on slide).
5th 6": Gy sh, sl mica & w/some phos frags & lenses of hd to soft very fine grnd ss. Sh sl "speckled" w/finely broken & crushed fos mat. Fauna as in preceding pation of core.

6th 1': Gray somewhat speckled sh as above & lenses of soft fine grnd argil sd. A little mica & some phos mat present. Specimens of Globigerina, Gumbelina moremani, Planulina eaglefordensis & Pleurostomella ? sp fairly common.
Bot 1': Mod hd dk grnish gy, sl mica sh w/irreg thin parting of hd fine grnd ss & siltstone. Some frags of phos mat & some irreg shaped nods of aragonite.

3090-3100 Core #5, Rec. 5½'. Top 17": Gy sh w/lenses of fine grnd soft ss. A trace of mica & some shreds of carb mat.
2nd 13": Grnish gy, argil fine grnd ss. A few frags phos mat.
3rd 20": Soft argil fine sd & lenses of ss as in 2nd 13".
Bot 16": Grnish gy ss as above, but averaging fine to mod fine grn size.

3100-10 Core #6, Rec. 4'. Top: Like bottom of preceding core.
Mid: Softer ss like top in character.
Bot: No change.

3110-20 Core #7, Rec. 5'. Top: Grnish gy, argil, sl mica fine to mod fine grnd mod soft ss.
Mid: No change.
Bot: " "

3120-30 Core #8, Rec. 4'. Top: Ss like the preceding, some shreds of carb mat.
Mid: No change.
Bot: Argil grnish gy, sl mica soft, fine grnd ss.

3130-40 Core #9, Rec. 6'. Top: Like bottom of preceding core.
Mid 2': No change, sl darker colored matrix.
Bot 2': No change.

3140-50 Core #10, Rec. 9½'. Top 3': Soft, gray, very fine grnd argil ss.
2nd 3': Hd, cal, brnish gy, very fine grnd ss.
Bot 3': Soft gy, argil, fine grnd ss sl glauc & carb.

3150-60 Core #11, Rec. 3½'. Top: Soft, lt gy, fine to mod fine grnd ss. Sl mica & w/a few blk phos frags.
Mid: Soft lt gy fine grnd argil ss.
Bot: A Possible Top, Middle & Lower Tuscaloosa. Ss like mid of core, but grns fine to mod fine.

L. F. Atkinson — two typical Marine Tusc.

3160-70 Core #12, Rec. 5'. Top: Soft lt gy fine to mod fine grnd argil ss. Some phos nods present.
Mid: Like the top, averaging sl finner grnd. A trace of mica.
Bot: Like mid, a little phos mica & glauc.

3170-80 Core #13, Rec. 1½'. Top: Soft, lt gy, fine to mod cse lt gy ss. Frags of lignite common.
Bot: Lt gy, fine to mod fine grn argil somewhat glauc ss.

3180-90 Core #14, Rec. 4'. Top 2': Soft lt grnish gy, slightly glauc phos & mica ss.
Bot 2': Like top of core.

3190-3200 Core #15, Rec. 2'. Top: Like the above w/some frags of carb mat & a few large blk phos nods.
Bot: Soft lt gy, mod fine grnd ss. Some small frags of lignite & phos mat trace of mica.

3200-10 Core #16, Top 3': Middle & Lower Tusc. Soft gray ss similar to preceding but glauc in mod sized nods fairly common, some frags gy sh.
Mid 6": Glauc fine to mod fine qtz sd & some lenses of gray sh (See #32-34 on slide).
Bot: Highly & rather coarsely glauc fine to mod cse lt gy argil soft sand & some very thin lenses of flaky, dk gray sh.

3210-20 Core #17, Rec. 22". Lt gy, fine glauc & mica soft argil sd & thin layers of dk gy flaky sh. A trace of carb mat.

3219-28 Core #18, Rec. 2½'. Top 1½': Like the preceding core.
Bot 1': Top of L. Cret. Very lt gy fine, even grnd bentonitic etched sd.

3228-38 Core #18, Rec. 8½'. Top: Crm colored sd as in bot of preceding core.
Mid 6": Red & white mottled argil sd similar to preceding in general char (See #35 & 36 on slide).
Bot: Wh, fine, even grnd etched qtz sd.

3240-50 Cavings from various higher levels, glauc ss as in Atkinson dominant.

3250-60 Poorly washed sample of hd wh quartzite-like ss & finer grnd red & some yellow quartzite like ss & cavings. Quartzite like material may be broken pebbles (See #37-43 on slide).

3260-70 Red & wh & yellow quartzite, or quartzite-like ss as in preceding but few cavings. Quartzite possibly from boulders.

3270-57 Like the preceding.

3270-3300 No change.

3296-98 Core #21, Rec. 1½'. Top: Hd blk & some dull brnish red sh (apparently from contact)(See #44-48 on slide). Paleoz.
Bot: Like the top - apparent blk w/some reddish strks.

3298-3303 Core #22. Blk Paleozoic sh (See #53 to 60 on slide).

3298-3303 Core #22. Rec. 5'. Top: Hd blk sh.
Mid: No change.
Bot: Like the top & mid.

E. R. Applin