

FL-MAD2

COMPANY : Hunt Oil Co. # 2  
 WELL : ~~J. W. Gibson~~  
 LOCATION : SW  $\frac{1}{4}$  SE  $\frac{1}{4}$  Sec. 6, T1S, R10E  
 COUNTY : ~~Madison~~  
 ELEVATION : 107 D.F.  
 DEPTH : 5385'  
 COMPLETED : 5/29/44

Dup. Smpls. & Cores in wrhs. REMARKS : No samples at 0 - 290', etc.  
 4-15-75 Electric Log Available. Taylor  
 Peak - 2345'

(Chen 1963)

0 200(?) OLIGOCENE AND YOUNGER  
 200 410 Ocala Group  
 410 630 AVONPARK LIMESTONE  
 630 1200 LAKE CITY LIMESTONE  
 1200 1745 OLDSMAN LIMESTONE  
 1745 2135(?) CEDAR KEYS LIMESTONE  
 2135 2270(?) UPPER CRETACEOUS (LAWSON LIMESTONE)  
 2270 UPPER CRETACEOUS (TAYLOR)  
 0 200(?) OLIGOCENE AND YOUNGER  
 200 290 Highly fossiliferous LIMESTONE with large forams rather common  
 290 410 DOLOMITE, fine crystalline, rather soft, pure and clean, sugary  
 textured, DOLOMITIZED large forams  
 410 455 Highly fossiliferous (forams, etc) LIMESTONE, Biosparite, micro  
 crystalline, fragmental to pseudo-oolite, rather well cemented,  
 light brown to light gray-brown with forams, etc.  
 455 550 DOLOMITE, fine crystalline, sugary textured, rather porous,  
 dark brown to brown-black, traceable fossil molds and dolomitized  
 forams (as Cosk, etc.)  
 550 580 Highly fossiliferous LIMESTONE as above  
 580 630 DOLOMITE, as above, fine crystalline

- 630 650 Highly fossiliferous Lime stone, Biosparite, microcrystalline, fragmental to pseudo-oolite, light brown with forams, Bryozoa, etc.
- 650 680 DOLOMITE, fine crystalline
- 680 835 Highly fossiliferous Limestone, fragmental, rather well cemented light gray-brown, forams (Dicty. Americanus, etc.) rather comm
- 835 850 GYPSIFEROUS (10%) DOLOMITE, fine crystalline, rather dense, sugary textured, dark brown with gypsum fragments
- 850 865 Highly fossiliferous LIMESTONE, fragmental, microcrystalline, Glauconitic
- 865 880 GYPSIFEROUS (10%) DOLOMITE, as above
- 880 910 Fossiliferous Limestone as above, slightly glauconitic
- 910 920 DOLOMITE, fine crystalline, dark brown, dense, slightly gypsiferous, traceable Glauconite
- 920 1155 Highly fossiliferous Limestone, microcrystalline, fragmental, to pseudo-oolite, rather well cemented, light brown to brown, fossils as forams, Bryozoa, Mollusks, etc., rather common
- 1155 1200 DOLOMITE, fine crystalline, rather dense, dark brown
- 1200 1380 Fossiliferous Limestone, microcrystalline, finely fragmental to fragmental, light brown, rather well cemented, forams ( Helicolepidina, etc.)
- 1380 1470 Fossiliferous Limestone (forams and fragments) Glauconitic, microcrystalline, fragmental and rather well cemented, light brown with Glauconitized forams (Helicolepidina, etc.)
- 1470 1575 Fossiliferous Limestone, fragmental, rather well cemented and pure, very light brown to light brown with forams
- 1575 1595 GYPSIFEROUS (10%) fossiliferous LIMESTONE, microcrystalline, fragmental, rather dense, very light brown to light brown, forams
- 1595 1665 Fossiliferous Limestone as above, slightly gypsiferous
- 1665 1735 Fossiliferous Limestone, rather porous, pure and hard, microcrystalline, rather compact. The Limestone may be a reef Ls.

- |      |      |   |
|------|------|---|
| 1735 | 1745 | DOLOMITE, very fine to fine crystalline, dark brown, sugary textured, slightly gypsiferous  |
| 1745 | 1865 | Highly fossiliferous Limestone, good Biosparite, micro-crystalline, pseudo-oolite (forams) to fragmental, rather porous light brown, forams as Borelis, etc., common, all fossils were recrystallized |
| 1865 | 1910 | Fossiliferous Limestone, fragmental, well cemented  |
| 1910 | 1920 | Microcrystalline DOLOMITE, fine crystalline   |
| 1920 | 1960 | Fossiliferous, Cherty (10%) Limestone, rather dense, light gray-brown, dark brown Chert fragments   |
| 1960 | 2085 | Fossiliferous Limestone, finely fragmental, rather well cemented, light gray-brown, forams rare   |
| 2085 | 2100 | DOLOMITE, very fine to fine crystalline, sugary, dark gray-brown, rather dense  |
| 2100 | 2135 | Highly fossiliferous (forams) Limestone, fragmental to pseudo-oolite, rather porous, light brown with forams as Borelis (?) etc., rather common. All forams were recrystallized                       |
| 2135 | 2220 | Fossiliferous Limestone, fragmental, well cemented, light gray-brown, gray[brown Chert fragments  |
| 2220 | 2245 | CHERTY (10%) fossiliferous Limestone, fragmental, well cemented, light gray-brown, dark gray brown Chert fragments rather common. All fossil fragments were recrystallized                            |
| 2245 | 2270 | As above but slightly Cherty  |
| 2270 | 2290 | Highly fossiliferous Limestone, finely fragmental, small forams and fragments, light gray-brown, slightly glauconitic and cherty  |
| 2290 | 2305 | As above with micaceous prisms, forams, etc.  |
| 2305 | 2365 | CHERTY (10%) fossiliferous Limestone, fragmental, micro-crystalline, light gray-brown with Chert fragments rather common and Inoceramus prisms  |
| 2365 | 2510 | Chalky fossiliferous Limestone, finely fragmental with Inoceramus prisms rather common  |

MAD-2

April 10 - 1966

FL-MAD2

Herewith log of upper part of section on the Hunt No. 2, Gibson well, Madison County, Florida.

105-15' Nodular, fragments of limestone, white, coquinoïdal, water worn, cherty, showing traces of a high, coarsely fragmental fossil content, a rolled nodule of a sandy chalk, and one of a fine textured chalk with traces of a few fossils. The coquinoïdal nodules most common, and possibly Ocala - Upper Eocene in age. Others Miocene (?) Looks like residuum. dg?

105-20' Sand, fine to coarse, subangular, small, worn limestone nodules like the above; numerous dark brown, ferruginous nodules, sandy in part, and a few worn and altered echinoid fragments and one worn Camerinid.

120-35' Do, with sand more abundant and lime and ferruginous nodules, small and more abundant, some fragmental and highly rolled and altered fossil material. Echinoid fragments, one fair specimen of a large Miliolid and Nonion sp. (see 1, old 1)

OK - N.A.P.

235-45' Dolomite, moderately coarse, porous, light grayish tan, and some chalky fossiliferous nodules, in part slightly dolomitic, containing Camerinids and some fragments of Lepidocyclina. Specimens poorly preserved. (2-4 old 1)

OK - N.A.P.

Ocala  
Upper  
Eocene

245-60' Do, some specimens of Lepidocyclina cf. ocalana.

260-75' Dolomite, chalky, nodular, somewhat porous.

275-90' Dolomite, light grayish tan, finely crystalline, moderately porous, some white chalky and fossiliferous fragments as above. A few poor fragments of Lepidocyclina.

290-305' Dolomite, light brown, dense, obscurely crystalline, some moldic areas and one dolomitized mold of a Camerinid, a few chalky areas in the dolomite and one poor section of a Lepidocyclina.

305-20' Dolomitic limestone like the preceding, irregularly porous, slightly chalky.

320-35' Do, molds of fragmentary fossiliferous material common in some fragments. One mold of Operculinoides cf. willcoxi. (5 on old 1)

OK - N.A.P.

335-50' Dolomite very light cream, finely porous and obscurely crystalline (possibly of algal origin) and some light tan, chalky coquinoïdal limestone with abundant fragmentary molds of micro-fossils. (algal dol. 6 on old 1)

OK - N.A.P.

365-80' Dolomite like that above, probably in part algal in origin.

380-95' Dolomite very light tan, with many traces of fragmentary molds of fossil material.

395-410'  
Limestone, white, finely coquinoidal and largely Miliolid.  
Fossils preserved as molds and casts. Some small gray areas  
in this limestone which is highly porous. (7 ald. 1)

Approx.  
top Middle  
Eocene

410-25' Do.

425-40'  
Dolomite, finely crystalline, light tan with small particles of  
some unidentified gray substance rather evenly distributed.  
Dolomite is highly porous and possibly of algal origin. (8 on ald. 1)

440-55'  
Do and some fragments of the gray and white Miliolid limestone  
as described from (395-410'). Some of the gray areas in this  
limestone have a slightly greenish cast, and may represent  
remnants of pyritic glauconite.

455-70'  
Dolomite, light brown, porous, and moderately coarsely gray  
spotted. Gray spots seem to be a residuum in the pockets left  
by leaching of original high microfaunal content, mainly small  
Miliolids. (9 on ald. 1)

485-500'  
Dolomite brown to light brown, finely crystalline, moldic and  
with occasional gray coated areas as above; and about 50% lime-  
stone white, chalky, coquinoidal, composed of a mass of chalky  
and calcitic fragmental fossil material. No specifically determi-  
nable specimens noted. (10 + 11 on 1)

500-15'  
Dolomite, moderately finely crystalline. A rich yellowish brown,  
finely porous and small fragments of the white finely coquinoidal  
limestone as above. One specimen of a badly rolled Lockhatia  
cushmani (?) noted. (11 on 1)

515-30'  
Dolomite as above and some limestone white, chalky textured,  
highly finely coquinoidal as above. No determinable fossil  
material.

530-45'  
Dolomite as above, and minor white limestone as above. A frag-  
ment of a large Lepidocyclina from the white limestone and one  
rolled Camerinid (probably cave).

545-60'  
Dolomite, light brown, weakly chalky, contains much comminuted  
fossil debris, usually chalky and shows gray spots as described  
from higher levels in this limestone. Some poor specimens of  
Discorbis inornatus and a fragmentary section of Pseudophragmina.  
Some of the dark spots in this limestone definitely glauconitic. (12-15 on 1)

560-75'  
Limestone, white, bioclastic, somewhat gray spotted as above. A  
few large Echinoid fragments, some Bryozoans.

575-90'  
Dolomite, light grayish tan, finely crystalline, slightly chalky  
and some bioclastic limestone like that above.

620-35'  
COB. SP.  
NO DISCOMMS  
N.I.P.F.

Limestone, white, coquinoïdal, a mass of fragmental limestone molds of micro-fossils. General faunal population like that at (545-60'). Some specimens of Discorbis inornatus and Lepidocyclina cf. cedarkeyensis. (19 on old 1)

635-50'  
VIA OK  
N.I.P.F.

Limestone, white, coquinoïdal, porous, like the above, a mass of limestone molds of fragmental micro-fossil material. Small tubular bodies, probably algal, common at this depth. Several species of Bryozoan, represented by large fragments. Trace gray spots in this limestone. (20 & 21 old 1)

665-80'  
23-157  
DICY  
24-100  
OK  
25-28  
N.I.P.F.

Limestone, gray and white, coquinoïdal, similar to preceding in general character. Fossil material preserved as worn molds, structural features and ornamentation usually eliminated. Some molds of Polylepidina antillea, Camerinas, Gyroïdina nassauensis. Some molds of a low, rounded unidentified conical forms, a few Discorbis inornatus, some fragments of Mollusks, Gastropods and Bryozoans. This appears to be a weathered and chemically altered Middle Eocene deposit. (23-28 old 1)

680-695'

Weathered bioclastic limestone like the preceding. Many large irregular gray areas. Fauna same as above.

695-710'

Bioclastic chalky, porous, white limestone similar to the above, a few gray areas, many calcitic areas. Fauna less clearly defined than at higher levels in this limestone. No marked change in faunal character.

710-25'  
OK  
F. CAMERINAS  
OK

Material as above, numerous specimens of Fabiania cubensis, some of Polylepidina antillea, a few of Amphistegina lopeztrigoi. (29-39 old 1)

725-40'

Do and minor light brown, sucrosic, somewhat finely gray spotted dolomite. Fauna as above and some specimens of Camerina ? new sp. ? first noted in preceding sample. (34 old 1)

740-55'

Do.

755-70'

Bioclastic, light cream, chalky, porous limestone similar to the above and very minor light tan dolomite. Fauna same as above. Some scattered small dark gray areas, carbonaceous in part. Trace glauconite.

770-85'  
DICTYOCONUS SP  
15A

Limestone, light cream, chalky, coquinoïdal. Some fossils as above, also abundant specimens of a Dictyoconus sp. new (?) - Low, rounded conical forms, possibly a variety of Dictyoconus americanus of which a few worn specimens are present. (35-39 old 1)

800-15'

Limestone like the preceding. Abundant specimens of Polylepidina antillea, and specimens of other foram species listed from slightly higher levels. Fauna fairly well preserved. (40-42 old 1)

COB -  
(CMB)

815-30'

*no!*  
Dolomite, light brown, moderately finely crystalline, moldic in part, minor limestone with fauna same as above, with the addition of some specimens of Discorinopsis cf. gunteri. Some fragments of the dolomite show a tendency toward an oolitic structure and some moldic areas in the dolomite contain chalky molds of Miliolids. Some fragments of gypsum in this sample. (see 43 + 44 *ald. 1*)

*N.I.P.F.*  
*Cyborus*  
830-45'

Dolomite, light brown, moderately finely crystalline, some gray spots and some interbedded gypsum. (see 43 + 46 *ald. 1*)

845-60'

Dolomite, light brown, moderately coarsely crystalline, irregularly moldic, with chalky traces of micro-fossil impressions. Some gypsum.

860-75'

Dolomite, light grayish tan, moderately coarsely crystalline, irregularly highly moldic, irregularly greenish gray spotted. These gray areas irregular in size and shape. Some gypsum in voids in this rock.

875-90'

Dolomite, light tan, very finely crystalline, gypsiferous and gray spotted, slight chalky.

890-905'

*N.I.P.F.*  
Limestone, white, chalky, moderately hard, gray spotted in the same manner as limestone above. Abundant traces of fragmental and largely disintegrated faunal debris. Fragments of a bivalve with a distinctive structural shell pattern common in the limestone nodules. (47 + 48 *ald. 1*)

905-20'

Dolomite, light grayish brown, finely crystalline, generally dense, rough textured, many gray areas, some traces of fossils. Minor chalky limestone as in preceding.

920-35'

Do, and about 25% limestone as described from (890-905') but more gray spotted. A few fragments of gypsum.

935-50'

Limestone, white, coquinoidal, chalky, a loosely cemented mass composed mainly of specimens of Miliolids.

*Cl*  
*Diastyl*  
*Vanuxemina*  
*Cyborus*  
*Reclinorthis*  
950-65'

Limestone, white, chalky, coquinoidal, a mass of loosely consolidated abundant molds of Dictyoconus americanus and some other species of forams common to the Lake City, Middle Eocene formation on peninsular Florida. Cibicides flouidana also fairly common. (49 + 51 *ald. 1*)

*Guronia*  
*flouidana*  
965-80'

A bioclastic white limestone similar to the preceding but generally <sup>fauna</sup> poorly defined. Some gray areas. Some specimens of Guronia flouidana. (52 + 53 *ald. 1*)

980-95'

Do, some fragments of fossil bivalves, and a specimen of Archais columbiensis (a Lake City foram) present. (55 *ald. 1*)

*OK*  
985-1010'

Limestone like the preceding in lithology and fauna. A few fragments gypsiferous.

- 1010-25' Limestone, white, coquinoidal, moderately hard, porous, similar to preceding in general character. A mass of fragmental and badly worn molds of micro and macro fossils. Fragments of several types of bryozoans, some bivalves and gastropods common, some forams, generally not identifiable. A few specimens of Amphistegina lopeztrigoi. Trace of glauconite in some depressions in the limestone.
- 1025-40' Extremely small sample of limestone similar to that above. A few molds of smaller forams, not determinable.
- 1040-55' Limestone similar to that described from (1010-25') but irregularly highly dolomitic. Abundant fragments several species of Bryozoans.
- 1070-85' Do. (1085-1100') do.
- 1100-15' Limestone, white, moderately hard, porous, coquinoidal, irregularly gypsiferous. Original high fragmental content very poorly defined. Bryozoan fragments still the most common recognizable faunal elements.
- 1115-30' Like the above, but about 50% of the limestone fragments highly dolomitic (light tan finely crystalline distributed in a white limestone).

<sup>50'</sup>  
1145-60' Limestone finely coquinoidal, moderately hard, a mass of calcitic casts of fine, fragmental fossil debris. A few specimens of Pseudophragmina zaragosensis, a few specimens of Asterigerina sp. (142 on old 2)  
Approx. top Oldsmar Lower Eocene (see 7 & 8 on 2)  
*N.P.P.* 507 is core

1160-70' Dolomite moderately finely crystalline, very light tan, in part chalky. Fauna sparse, but same as for preceding. (3 & 4 on old 2)  
*N.P.P.* 2 kinds now  
of 700 is up to 107100 (5000)

1170-85' Limestone and dolomite as in the two preceding samples, also fragments of a light gray very coarsely crystalline dolomite and fragments of a large bivalve related in occurrence to this dolomite. This dolomite somewhat glauconitic. Has a vuggy appearance.

1185-1200' Dolomite and some limestone as above and some caving from higher levels. Some specimen of Pseudophragmina zaragosensis and some fragments of light gray chert and very minor gypsum. The Pseudophragmina is definitely indigenous. (see 7 & 8 on 2)  
*N.P.P.*

1200-15' Materials as above. No determinable faunal elements.

1215-30' Limestone and dolomite each about 50%. Limestone white, moderately hard, finely coquinoidal, a mass of small nodular molds of fine fossil debris; and dolomite tan to light gray, moderately coarse to coarsely crystalline; trace of gypsum. (11 on 2)  
*Dolom*  
*now - 0100*



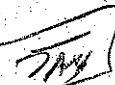
- 1230-40' Limestone like the above. A few Ostracod molds, no other determinable fossils.
- 1240-60' Limestone like the above, finely nodular texture. Some fragments of light gray chert.
- 1260-75' Limestone, light cream, bioclastic, a mass of chalk cemented molds of moderately fine fossil debris, calcitic mold of a small Echinoid, other fossil material too fragmental and poorly preserved to be identified.
- OK 1275-90' Do, some poor specimens of Helicostegina gyralis. (13<sup>14</sup> on 2)
- 1290-1305' Do, some specimens of Pseudophragmina and a few questionable molds of Miscellania and some of Helicostegina gyralis as above.
- 1305-20' Do.
- 1320-35' Dolomitic, chalky, bioclastic limestone like the above. Specimens of Amphistegina lopeztrigoi fairly common.
- 1335-50' Limestone moderately hard, light cream, very finely nodular texture, composed of small molds of finely fragmented fossil debris.
- 1365-80' Do.
- 1380-95' Do. Limestone contains some fragments of a large, heavy shelled fossil bivalve.
- 1395-1410' Limestone, white, coquinoïdal, porous and weakly glauconitic, composed of molds of moderately coarsely broken and worn fossil debris. Molds of a Camerinid sp. (undescribed) fairly common. Limestone has scattered glauconitic areas. (15+16 on 2)
- W.M.P.  
1410-25' Do. A few specimens of Miscellania nassauensis, some Camerinids as above. (17-19 on 2)
- John  
1442  
Palmer  
1425-48' Do. (1448-55') do. (1455-70') do.
- 1470-85' Dolomite, chalky, finely crystalline, rough textured, generally dense. A few poor specimens of Cockinolina elongata and a few of Valvulina sp.
- 1505-20' Very small sample of white, chalky, moderately hard limestone.
- 1520-35' Do. A few fragments dolomitic and a few with traces of some fragmental fossil material.

*Paleocene?* Top of Paleocene a questionable point in this well. E.R.A.

- 1535-50' Limestone, moderately hard, light cream, chalky, in part smooth textured and in part finely nodular. Some fragments of nodular calcite and of gypsum.
- 1555-65' Limestone moderately hard, white, chalky textured. A few traces of fossil material.
- 1565-80' Do. Some gypsum.
- 1625-40' Limestone, hard, white, chalky textured, some traces of fragmental bivalves and gastropods. Some gypsum and some calcite inclusions.
- 1640-55' Do. (1655-70') do. (1670-85') do. (1695-1710') do.
- 1710-25' Limestone like the preceding in character, and some dolomite, light gray, very finely crystalline.
- 1725-40' Limestone like the preceding.
- 1740-55' <sup>Limestone as above</sup> Dolomite and about 50% Dolomite light grayish brown, very finely crystalline, dense, rough textured with a few small moldic spots.
- 1785-1800' Limestone, white, Sample composed of small molds of fragmental fossil material similar to some noted at somewhat higher levels in this formation. Sample may be out of place. No determinable fossils.
- 1815-30' Do. The character of the poor fauna present would suggest that the sample did not come from the depth given on the label.
- 1830-45 Limestone, moderately coarsely coquinoïdal as above. Fossil material rolled, chalky, fragmental molds of microfossils, generally undeterminable. Some small Coskinolina, Miscellanea (?), and miliolids.
- 1860-75 Do.
- 1890-1905 Small sample of same.
- 1935-50 Limestone, light cream, moderately soft, finely granular texture; minor dolomite, finely crystalline, light gray-  
*Possible top Paleocene* ish tan. Many fragments of gray chert.
- 1950-65 Do. and cavings of microfossil molds from higher levels.
- 1965-80 Extremely small sample of chalky, bioclastic limestone as above.
- 1980-95. Limestone, light cream, finely nodular texture. A mass of small rolled and fragmental molds of microfossils, too poorly preserved for even generic identification.  
Note, No definite sample evidence to indicate that a formation older than lower Eocene is present at this depth.  
Gaps in samples are due to absence of samples. Log of this well from 1950 to 4700 was mailed Mar. 11, 1966.

Revised notes on upper part of Hunt Oil Company #2 Gibson well in Madison County, Florida:

- 1950-65 In Paleocene or ~~L. Lawson~~ Grayish brn, very finely cryst dol w/small rounded openings apparently representing spaces once occupied by forams, some frags of chalk filled w/poorly preserved calcite molds of small forams (Age Paleocene?). Sple poorly washed.
- 1965-80 Like the preceding.
- 1980-95 Sample composed mainly of the porous chalk, w/abdt poor calcite molds of small forams. No determinable specimens except small Anomalina. Frags of lt gy chert common.
- 1995-2010 Like the preceding.
- 2010-25 Chalk as above, fossless clearly shown, mat slightly gypsif, lt gy chert common.
- 2025-80 No change.
- 2080-95 Some chalk as above & many frags of a gyish brn, very finely cryst sl very finely porous dol. Lt gy chert fairly common.
- 2095-2110 < Cut of porous chalk, composed largely of chalk, cemented poor calcite molds of small forams (not determinable). Some dol as above & cavings of Camerinids? from higher levels.
- 2110-25 <sup>cut</sup> Like the preceding.
- 2125-40 <sup>Deep</sup> Lawson Microfos. chalk as above & many frags of a crm colored very finely cryst irreg porous dol.
- 2140-55 <sup>Novato</sup> Highly microfos chalk & some lt gy chert.
- 2155-70 No change.
- 2170-2230 " "
- 2230-45 Approx. top L. Lawson. White, highly microfos chalk as above, some frags showing a trace of glauc. Some lt gy chert.
- 2245-60 Like the preceding, calcitic fos mat, finer than above.
- 2260-75 No change.
- 2275-90 Finely calcitic (microfos molds & frags), slight glauc chalk as above, a number of frags of the large Echinoid spines common to the L. Lawson. A few specimens of Cibicides harperi.
- 2300 SWC. Sample of chalk as above.
- 2290-2305 Cut of finely calcitic, sl glauc chalk as above, occas very finely dolomitic, a few Echinoid frags. Some specimens Cibicides harperi.
- 2320-35 Like the preceding. A few frags of Inoc present. Lt gy chert still common, possibly indigenous. Some large Echinoid spine frags.
- 2335-50 Like the preceding. Some frags of crystalline anhydrite. Some specimens of Cibicides harperi, Anomalina (large sp) & Robulus sp. Some Ostracods. (See #13 on slide 2).
- 2350-65 Same as preceding. A few specimens of Globotruncana cretacea also present. A few poor specimens of Sulcoperculina cosdeni.


  
 CABINATIONS
   
 Nov. 1985
   
 2350-65 *Amey*

- 2365-80 White chalk, many imbedded crystals of anhydrite. Inoc frags fairly common. Microfauna same as above.
- 2380-95 Like the preceding.
- 2395-2400 No change.
- 2400-15 ~~Approx. top Taylor. Like the above, w/a few small frags of lt gray ashy sh. Some specimens of Anomalina cosdeni and Globorotalia micheliniana (See #14 on slide 2).~~
- 2415-20 Like the preceding.
- 2690-2705 Approx. top Austin. Change from mod hd white chalk to softer (smaller residue) gy marly chalk. Inoc frags & prisms common.
- 2810-25 Gy marly chalk as above, abdt Inoc frags & prisms, some specimens of several species of Globotruncana & Anomalina sp & Globigerina sp. Many specimens Cythere sphenoides.
- 2870-85 Sple almost entirely gy mod soft marl. Abdt Inoc frags & prisms & fauna same as above.
- 2915-30 Mod soft, flaky gy marl, some Inoc frags, few forams, no change in fauna.
- 2960-75 Gy marl as above & some frags of lt brnsh gy "speck" marl.
- 3150-60 Dark brnsh gy "speck" marly chalk, some white chalk (prob caving).
- 3165-80 Dark "speck" marly chalk as above, many Inoc frags, specimens of Globigerina, Gumbelina reussi & several species of Globotruncana abdt.
- 3180-95 Like the above w/the addition of many frags of a hard sdy tan chalk, filled w/calcitic molds of small forams, Inoc prisms, many phos fish bone & scale frags & some frags of Ostrea sp (prob the conglomeritic basal phase of Austin) (For fauna see #15 on slide 2).
- 3195-3210 Top of E. Ford. Mat as above, also many frags of a highly, finely sdy hd chalk & small frags of gy-grn flaky sh. Some specimens of Planulina eaglefordensis washing from the green sh. (See #16 on slide 2).
- 3210-20 Like the above, also many frags of gy grn sh & some frags of very fine grnd mica gy ss. Some Planulinas.
- 3220-30 Sple at least 50% flaky frags of gy-grn sh & mod soft mica, gy, very fine grnd ss & siltstone. Many small frags of carb mat. common in some frags of the siltstone. Ss slightly glauconitic. (See #17 on slide 2 for ss).
- 3230-40 Grn sh as above & many cavings.
- 3240-50 Like the preceding, at least 50% of sple, fine sd, small frags of the flaky gy-grn sh. Some mica, some ss. Trace of glauc.
- 3250-60 Like the preceding.
- 3260-80 No change.
- 3280-90 Sple at least 75% flaky frags of gy grn sl mica sh. Some frags of gy sl mica & carb very fine grnd ss & siltstone. Remainder of sple cavings of "speck" sh & sdy ls from the bot of Austin section.
- 3290-3300 Sple about 75% fine grnd mica & sl glauc mod soft ss. 25% flaky gy grn sh. Some frags of phos fish bones & teeth.
- 3300-10 Like the preceding.

*W. D. ...*

*B. S. ...*

*Upper Atkinson*

*... SS*

3310-20

Like the preceding, also some frags of a marly gy ls w/many tan colored shell frags. Some frags of carb mat present.

~~3320-30~~

*OKy carb mat.  
Sh more predom.*

Sh & fine sd as above & at least 50% frags of a highly and very finely sdy tan gy ls w/occas frags of shell mat. (See #18 & 19 on slide).

3330-40

Like the preceding.

3340-50

Sple again composed mainly of frags of flaky gy grn sh, fine loose sd, some frags of mica & somewhat finely carb, sl glauc siltstone & very fine grnd ss (prob from partings in sh).

3350-60

Like the preceding. Some mica & some shreds of carb mat in sh also. An occasional specimen of Ammobaculites present.

3360-70

Like the preceding.

3370-80

No change.

3380-90

Sh - sd & many frags of mica siltstone & very fine grnd ss mat like the above in char.

3390-3400

Like the preceding. "Marly sh."

~~3400-10~~

*Org sh. part of  
of core silty low sh*

Approx top M. Atkinson. Materials as above, also some frags of a dk gy, sl mica & finely carb flaky sh. (See #20 on slide 2).

3410-20

Like the preceding w/an increase in amt of dk gy, flaky, mica & finely carbonaceous sh frags present.

3420-30

Like the preceding.

3430-40

No change.

3440-50

Same as above. Some specimens of Ammobaculites agrestis present. (See #21 on slide 2).

*Ammobaculites OK*

3450-60

Like the preceding.

3460-70

Cut composed mainly of very finely flaky frags of gy somewhat mica sh & very fine loose sd. Some small frags of carb mat. Some caving of gy grn sh & other mat from higher depths.

3470-80

Like the preceding.

*SM OK*

~~3480~~

SWC. Gy, thinly flaky sh (See #22 on slide 2).

3480-90

Cut of finely flaky dark gy sh, some cavings as above.

3490-3500

Like the preceding.

3496-3503

*L. Tuss - Sand section*

Top of L. Atkinson. Sh as above, also many frags of lt gy, med grnd cal & somewhat glauc ss. Many phos frag in ss.

3500-10

Flaky frags of gy sh, about 50% fine loose sd. Some frags of ss as in preceding, some glauc, mica & phos frags.

3502

SWC. Med grained, lt gy, soft glauc ss.

3503-09

Core #1. Soft, fine to med grnd, glauc ss.

3510-20

Cut composed mainly of flaky frags of dk gy sh.

3520

SWC. Gy flaky sh & soft, highly glauc, mica & finely carb very fine grnd argil sd.

3520-30

Cut dark gy flaky sh, contains some minute & some small crushed forams, a little mica.

3530-40

Sh as above, also some frags of mod cse grnd, lt gy, glauc & somewhat phos ss.

3540-50

Like the preceding, more frags of the ss which contains some shell frags & occas pebbles of various materials. One of these looks like deep grn feldspar?(see #25 to 29 on slide 2 for char of this ss).

*LA 7K. Gravel  
SS*

- 3550-60 Mainly flaky sh, w/a few frags of the ss as above & an occasional large grn.
- 3560-70 Like the preceding.
- 3570-80 <sup>3580</sup> Top L. Cret. Mat as above & about 50% cse to very cse roughly subangular qtz sd, some pink grns.
- 3580-90 Like the preceding.
- 3590-3600 Mainly cse to very cse (small pebble size) qtz sd. A little feldspar.

Bottom part of Hunt Oil Company #2 Gibson in Madison County, Florida.

NOTE: First definite L. Cret red & yellow mottled sh noted cut 3630 feet, coarse sd w/pink feldspar grns 3570-80', (this pos top of L. Cret.)

*This mat on 13-18, slide #4*

- 3700-10 Cut fine to very cse sd of qtz & some feldspar (many pink tinted grans), some frags of red, mica & grnish yellow sh. Many cavings from Atkinson section (for type of multicolored sh see #13 to 15 on slide).
- 3710-20 Cavings about 75% of sample, remainder sd & some frags of red sh as above.
- 3720-30 Like the preceding.
- 3730-40 Cavings 50%, sd as above 50%, occas frags of multicolored clay sh.
- 3740-50 Like the preceding.
- 3750-60 Cavings 75%, sd as above 25% & small frags of the multi-colored sh fairly common.
- 3760-70 Like the preceding.
- 3770-90 No change.
- 3790-3800 Cavings, a little sd as above & at least 25% frags of a dark red sh (appar the mat being drld)(See #16 on slide). Sh is very finely micaceous. Some pink stained lime nod. s.
- 3800-10 About 50% cavings, 50% red sh & a little sd.
- 3810-20 Like the preceding.
- 3820-30 50% cavings, 25% red sh, 25% fine to coarse sd.
- 3830-40 Fine to cse sd, mainly qtz about 50% of sple, red shale 25%, cavings from Atkinson 25%.
- 3840-50 Mainly sd as above, about 25% red sh & gy sh, caving, a few stained lime nod. s.
- 3850-60 Like the preceding.
- 3860-70 No change.
- 3870-80 Sd & cavings, little red sh.
- 3880-3900 Sd, caving & variable amts of red sh up to 25%.
- 3900-10 <sup>a?</sup> Sd 50%, finely red & gray mottled sh & sd 50%.
- 3910-20 Sd cavings, about 10% red sh.
- 3920-30 Mainly fine to cse sd, a littled red sh & some cavings.
- 3930-40 Mainly sd, 10% red sh, cavings.
- 3940-60 Sd & a little red sh.
- 3960-70 Sd, about 20% red sh, some cavings.
- 3970-80 Sd & about 50% dk red mica sh, some lime nod. s.
- 3980-90 Like the preceding.

3990-4020

No change.

4020-30

*SS, with to  
pink  
f. c. ss,  
pebbles  
conson.*

Mat as above, also many frags of a white & red, fine to medium grnd cal ss. The white sandstone contains many pink feldspar grns & many lt grn chloritic mat & some mica. The red ss is similar in char, averages sl finer grnd. (See #17 & 18 on slide).

4030-40

Like the preceding. A few pebbles of qtz, chert & varicolored claystone, some of quartzite.

4040-50

Like the preceding.

4050-60

Fine to cse sd, a few frags of the ss as described from 4020-30', many pebbles also as from that depth.

4060-70

Fine to cse sd & some pebbles as above.

4070-80

Large sple, mainly fine to cse sd, a few pebbles, a few frags of red, gy-grn mottled sh.

4080-90

Boulder bed. Cut of sd & abdt frags of boulders & small pebbles of white, red, yellow quartzite, hard claystone, some of several types of basement rocks, qtz & other mat.

4090-4100

Similar to preceding, but pebbles & boulder frags less abdt.

4100-10

Like the preceding.

4120-30

*Red ss  
5' 11'* *light red sh.*

Sd, many frags of red clay sh (See #19 & 20 on slide) and many large pebbles of qtz - quartzite & other mat generally red stained.

4130-40

Fine to cse sdy red sh as above, boulders of various mats.

4140-50

Mainly cavings from Atkinson.

4150-60

Fine to very coarse sd, small pebbles & frags of boulders, of quartzite, quartz, some feldspar & other mat as above, many small frags of the red clay sh. Many sh cavings from Upper Cret section. Red shale about 20%.

4160-70

Like the preceding.

4170-4220

No change.

4220-30

Mainly caving from U. Cret, some fine to very cse sd & ~~sd~~ & small pebbles as above, some bright red sh.

4230-40

Like the preceding.

4240-4310

No change.

4310-20

Almost entirely cavings of sh from the Atkinson. A few frags of red sh, a little sd & pebbles.

4320-40

50% cavings, 50% fine to very cse sd, some small pebbles & many small frags of red sh (about 20%).

4340-50

*Red ss  
5' 11'*

Like the above w/a few frags of mod hd, mod coarsely sdy, red & yellow clay sh (See #21 & 22 on slide).

4350-60

Fine to very cse qtz sd & some pebbles, about 50% frags of red sh, a few red & yellow mottled & a few frags of (prob nod) red sdy ls.

4360-70

Like the preceding.

4370-80

About 50% cavings & 50% sd, pebbles & small frags of red sh as above.

4380-90

About 75% cavings from Upper Cret, 25% sd, red sh & some pebbles.

4390-4400

*Pink ss,  
f. c. ss, and  
IN 972 1174P  
3' 5" ss  
mottled red  
frags*

Like the preceding, a few frags of a pinkish white med grn ss, about 50% of this ss cementing mat. This ss pos coming from near this depth (See #23 & 24 on slide).

4400-10

Like the preceding.

4410-40

No change.

4440-50

At least 50% cavings from Atkinson, 50% fine to very cse sd, some small pebble sized frags of quartzite, some red concretionary lime nods, a little red sh.

- 4460-70 Mainly fine to very cse sd, some pebble frags, a little red sh.
- 4470-80 Like the preceding.
- 4480-90 Fine to very cse sd, a few frag of cse grnd pink & red & yellow stained ss. A few pebble & boulder frags of quartzite (various colors) claystone & other mat as in boulder beds higher in section, a small amt of red sh. Some red stained concret lime nod.
- 4490-4500 Like the preceding.
- 4500-10 No change.
- 4510-20 Like the above w/a number of frags of mod soft white medium grnd ss also present.
- 4520-30 Like the preceding.
- 4530-40 No change.
- 4540-50 Like the above w/lt grn pebbles fairly common in sd.
- 4550-60 Sd, some sh frags, a few frags of ss & many frags of red or reddish quartzite (prob from boulders).
- 4560-80 As above with red & yellow quartzite frags common as above.
- 4580-90 Like the above, a few frags of lt grn qtzite, lt grn, mod hard, fine grnd ss also present.
- 4590-4600 Like the preceding.
- 4600-10 A & W sh & Altered diabase, Cut of mat as above, also many frags of lt grn, unctuous brown spotted (weathered diabase?) & flaky, smooth lt grn, sl purplish & yellow mottled, very highly & extremely finely dark specked sh, bentonitic in appearance. (See #25 to 36 on slide). One small frag of altered diabase noted in preceding sple.
- 4610-20 Similar to the above, with many frags of the altered diabase & some frags of the lt varicolored sh as above, also frags of a blue grn, mica sh (See #37 to 42 on slide).
- 4610 SWC. Altered diabase, red brn & grn mottled.
- 4620-30 Like the cut above, also some frags of blk & some dk brnsh to purplish gy, sh. (See #43 to 48 on slide).
- 4630-40 Blk sh as above & other mat (altered diabase & "A & W" sh prob caving), also numerous frags of a very fine grnd dense to mod dense finely brn spotted mica thinly lenticular ss (from lenses in the blk Pal sh) (See 50-52 on slide).
- 4640-50 Like the preceding. Less altered diabase.
- 4650 SWC. Brnsh blk mica sh lenses of ss as described from 4630-40'.
- 4650-60 As at 3630-40'. Cut of blk sh & fine grnd ss & cavings of various mat from higher depths.
- 4660-70 Similar to the above. Blk sh frags more abdt.
- 4670-80 Like the preceding.
- 4680-90 No change except for steady increase in amt of blk sh frags. These in part, streaked w/fine grnd mod hd thin ss lenses.
- 4690-4700 No change. Well continues in Pal sediments to bottom of hole.

*SM, Gnd, W&W, S. 15, W&W, Altered & weathered zone. true Palmy. (29-31, 34-36)*

*37-42 - Gnd SM, S. 15, mica sh*

*43-48, Blk SM, Paleozoic (?)*

*53-58 more like Paleozoic*

*A+W = altered & weathered.*

E. R. Applin  
June 14, 1950