

FLA-CO-07-1

85-105 | tan, s. finely, tight, v. ungy, sdy, phosphate dol. Sed is rd, clean, qtz

105-25 | Gray, micro, ind, even textured, porous dol w/ wh-ban blk chrt

125-45 | wh, micro, ind, waxy? w/ blk-wh, v. ang chrt

145-65 | C-f, rd, clean to sd

165-85 | wh, micro, hard, porous sdy dol. Sed. is uf, rd, clean to

185-205 | tan, micro, hard, tight u sdy dol. Sed. is f, clean, ang qtz

205-25 | Same (250-70)

225-45 | -do-

245-50 | N.S.

250-70 | brown, frag - foss - pellets, ind, v slightly doltz ls, porous

270-90 | long, tight, crypto dol

290-500 | N.S.

500-20 | ^{foss, porous} wh-cry, micro, ind, ls w/ abundant fossils

520-40 | -do-

540-60 | -do- w/ some pieces doltz & some microporina pieces

560-80 | -do-

580-600 | -do-

600-20 | Gray, v. finely, porous, sdy dol. Sed. is clean, f, qtz

120-1425 | N.S.

1425-45 | Gray - utry, micro, frag - foss - pel, slightly glauc ls w/ some doltz

1445-65 | -do-

1525-45 | brn-tan, M. raly, gypsf, tight dol

1545-65 | dk gray - dk brn, microp, tight, hard, slightly gypsf dol. Gyp occurs as patches in dol & as w/ pure, microp aggregates & c tabular araly aggregates

1545-85 | lt tan, f. raly, tight, vuggy, (small) dol

1585-05 | -do- but fewer vugs

1605-25 | -do-

1625-45 | -do- at top. bottom is gray, microp, tight, dol w/ small vugs

1645-65 | Gray, microp, tight, hard dol w/ small vugs

1665-65 | SAME (1685-05)

1685-05 | lt gray, microp, porous, hard dol w/ large vugs

1705-25 | -do-

1725-45 | crmy, microp, porous hard dol w/ very evident pel-ool relic / ls texture

1745-65 | -do-

1765-85 | -do-

1785-05 | -do-

1800-20 | lt gray, microp, porous hard dol w/ v small vugs

1820-40 | -do-

1840-60 | -do-

1860-80 | w/lt crmy, microp, vuggy, porous, hard dol w/ some relic oolite texture

1880-00 | lt crmy, ool-pel, porous dol, ool-pel as relic from ls

1900-20 | buff, v raly, porous, v vuggy (large-small) dol w/ some relic fossil texture

1920-40 | -do- but brn-crmy

1940-60 | -do-

- 2000-20 | wh, ind, slightly foss chy ls } has interbedded arg, m xtal, tight dol
- 2020-40 | -do-
- 2040-40 | -do-
- 2060-80 | lt tan, micro porous hand dol w/ small scattered vugs
- 2080-00 | -do-
- 2100-20 | deep tan, v xtal, tight, hand dol w/ scattered vugs filled w/ cut, & xtal dol
- 2120-40 | lt tan, v xtal, porous, vuggy dol w/ scattered pods of wh, pure micro gyp
- 2140-60 | -do- but more vugs, & xtal
- 2160-80 | -do-
- 2180-00 | -do-
- 2200-20 | -do- w/ lenses, pods, streaks of wh pure micro gyp & clear tabular calcite
- 2220-40 | -do- but tan
- 2240-60 | wh, micro, chy, pet, ^{foss} ind ls
- 2260-80 | -do-
- 2280-00 | -do-
- 2300-20 | -do- Th, s, f,
- 2320-40 | -do- w/ abundant large s.f,
- 2400-20 | -do- w/ tan, xtal, tight dol
- 2420-40 | -do-
- 2440-60 | -do-
- 2460-80 | -do-
- 2480-00 | -do- but dol is ult gyp, m xtal, saccharous chy

2620-40 | -do-

2640-40 | chyls w/ lt. gray, fairly tight dol

2660-80 | -do- but fewer foss. pd than above + no dol

2680-80 | -do-

2700-70 | -do- w/ dol as above

2720-40 | -do- w/ lt. gray, mostly sacc, porous, chyl dol

2740-60 | -do- In pyr

2760-80 | chyls as above In. ank pyr

2780-80 | chyls as above

2800-70 | -do-

2820-40 | -do- w/ more pd of foss than above

2840-40 | -do- In pyr

2860-80 | -do-

2880-80 | -do-

2900-20 | v. gray, micro, ind, slightly chyls w/ isolated tabular xnds of qtz

2920-40 | -do-

2940-60 | -do-

2960-80 | -do-

2980-00 | wh, micro, pd-foss, chyl, ind ls w/ abundant s. f.

3000-70 | -do-

3020-40 | -do-

3040-60 | -do-

3060-80 | -do-

3120-40 | -do-

3140-60 | brnqy, soft, blocky, calc sh

3160-80 | buff, micr, hard, tight, slightly fissile

3180-00 | gray, fissile, soft, calc sh

3200-20 | N.S.

3220-40 | -do- brn silty

3240-60 | -do-

3260-80 | N.S.

3280-00 | dk gray, fissile, soft, calc sh

3300-20 | gray, f gray, ind ss w/ some pyritic & glaucous qnz

3300-40 | dk gray - dk brn gray, fissile, calc, soft sh somewhat silty

3320-60 | -do-

3340-80 | gray, f gray, ind, ss w/ uc = M, clay, red gls, ind w/ some glaucopyritic qnz

3360-00 | -do-

3380-20 | N.S.

3400-40 | UC = M, w/ ind, clay, red gls, ind

3420-60 | -do- but multicol. calc deep emerald qnz is predominant color (though)

3440-80 | -do-

3460-00 | -do-

3480-20 | blk, fissile, hard sh

3500-40 | sd as above

3520-60 | See Milton pg. 13

3600-80 | N.S.

3680-00 | Pink, micr, ind, chy. ls

3700-60 | N.S.

3760 | lt gray, fissile, soft calc sh

3880-00 | blk, fissile, soft, slty sh

3900-20 | -do-

3920-40 | N.S.

3940-60 | blk, ~~odk~~ gray, fissile, soft, slty sh

3960-80 | -do-

3980-00 | -do-

4000-40 | N.S.

4040-60 | -do-

4060-80 | -do-

4080-20 | N.S.

4120-40 | -do-

4140-42.20 | N.S.

4220-40 | -do-

4240-50 | N.S.

4280-00 | -do-

4300-40 | N.S.

4340-60 | -do-

4360-80 | -do-

Report on samples studied from Humble's #1 Cone in Columbia
County, Florida.

1949

Top of U. Lawson? Core, small recovery of very finely granular tan dol full of rounded & elliptical pits & porous spaces which apparently represent impressions left by former molds of microfossils & fossil fragments. No determinable fossil mat noted. Samples are cores & some cuttings with poor recovery & similar in appearance to the core described above to _____. Cores below 1784 show some molds of microfossils fairly common. Mat same as above. At 2000' ls changes to white in color.

Core #33. Wh or lt crm colored very finely gran, finely porous crystalline ls apparently composed of a mass of molds & small frags of molds of microfossils & microfossil molds of Vaughamina? of an Ostracod & of several specimens of a Rotalid foram (See #13 & 14 on slide). This type of mat & fauna is typical of phases of U. Lawson.

2010-15

Core #34, Rec. 4'. Similar to the above, but more consolidated. A mold of Vaughamina? sp present.

2015-20

Core #35, Rec. 4". No change.

Samples remain similar in general char to the above but generally fairly well consolidated w/only traces of molds & impressions of fossils remaining in the hd. cryptocrystalline ls. Coroline structure noted in some core frags. Color varies from lt. to deep crm. A little gyp in ls. samples below 2100'.

2200-20

Top of L. Lawson. Cut of cryptocrystalline, crm. colored gypsiferous ls, w/many traces of fossil molds, impressions & frags of same, also many frags of a wh. chky ls, carrying many specimens of Lepidorbitoides sp. & Sulcoperculina cosdeni (See #15 on slide).

2220-40

Like the preceding w/increase in frags of chky ls & its associated fauna.

2240-60

Similar to above, but chlk & its fauna now at least 75% of sample.

2260-80

Like the preceding. Chlk, now forms almost entire sample content. No change in fauna.

2280-2300

No change.

2300-20

Mat & fauna as above, many frags of fossil bivalves (Ostrea, Pecten & others) present. Some Bryozoan frags. (See #16 on slide). A few frags of Inoceramus.

2320-2460

No change.

2460-80

Like the above. Inoceramus frags much more common

2005-10

Lawson 1949 -
Fossiliferous white dol.
No fossil fauna
JMS

2200-20

L. Lawson
Sulcoperculina
Lepidorbitoides

Bryozoan
CIB - Inoceramus

2480-2500

Anomalina sp.
Inoceramus

Top of Taylor (about 2460 on Schl). Chlk as above & about 10% frags of tan dol, many *Inoceramus* frags. A few crystalline nodules of barite. Some specimens of *Anomalina cosdeni*. (Other typical Taylor species prob present but sple too poorly washed for them to be recognized). (See #17 on slide).

2500-20

Like the preceding.

2520-2640

No change.

2640-80

Cut of wh chlk, many Inoc frags & some frags of other bivalves. A little finely gran tan dol. Few forams washing free; those present mainly caving from Lawson ls. A little crystalline barite.

2680-2700

Like the preceding. anhydrite.

2700-2800

No change.

2800-20

Wh chlk, abdt Inoc frags, a small amt, pos 10% of tan, finely gran dol as above. A few frags of lt gy marly chlk.

2820-40

Like the preceding, sl increase in gy chlk frags.

2840-2980

No change.

2980-3000

Approx top Austin. Chlk & Inoc frags as above, also numerous frags of a sl dkr tannish gy marly chlk. A small amt of dol & numerous specimens of *Globigerina* & *Anomalina* sp, some specimens of *Globotruncana* & *Gumbelina* sp. Some small globular bodies. (See #18 on slide).

V. Austin - Inoc. prisms,
gy SH,
Gumbelina, Globotruncana,
Globotruncana

3000-20

Like the preceding.

3020-40

Like the preceding w/specimens of *Globotruncana* relatively more abdt.

3040-80

No change.

3080-3100

Mat like the above, fauna consists of Inoc prisms & frags, many specimens of several species of *Globotruncana*, *Globigerina* sp, *Planulina austinana* & some specimens of *Globorotalia umbilicata*. Fauna common to Austin in this area. (See #19 on slide).

3100-20

Like the preceding w/the addition of some frags of lt tan, porous, cryptocrystalline (dolic?) ls. This type of mat forms about 25% of sple.

3120-40

Sple 50 to 75% lt tan dolic ls as above. Remainder chlk & gy chky marl as in preceding sple.

3140-60

Gy & brnish gy somewhat light "spec" marl, some chlk & dol as above, some cavings from much higher depths.

3160-80

Sple mainly mod hd crm colored chky ls w/an abundance of minute globular bodies, some frags of brnish gy marl as above. Some frags of the ls stained w/a blk tarry residue.

3180-3200

About 50% ls as in preceding & 50% brnish gy marl.

3200-03

Core #47. Top: Mod hd, dense, crm colored chalky ls, some inclusions of a blk (tarry?) residue.

Mid: Mod hd ls like the top of core.

Bot: Gy, somewhat lt speckled, mod hd marly ls.

3200-03

B-501
V. 5 mm
G. globigerina
1 p. 15 m
MGP Barro Colorado
L. Kus and USA

& some frags of fish scales. Specimens of Globotruncana, Globigerina & some Gumbelinas present.

(See #20 on slide).

3rd 1': Like 2nd 1'.
4th 1': Similar to preceding. Specimens of forams washing free much more abdt. Common species same as above. A small Planulina sp also present.
5th 1': Similar to 4th 1' but Gumbelinas much more common.
Core #49. 1st 1': Mod hd, gyish tan ls, some forams as above.
2nd 1': Like the preceding.
3rd 1': Gy, somewhat "lt speckled" marl. No faunal change.
4th 1': Mod hd lt gyish tan ls, very fine, calcitic fos mat abdt, some fish scale frags.
5th 1': Mat darker gy, less indurated.
6th 1': Mod hd, gy, somewhat "light speckled" marly ls. Lt speckling due to presence of fine, crushed microfossils mat. No change in fauna.
7th 1': No change.
8th 1': Softer, otherwise the same.
9th 1': Like 8th 1'.
10th 1': Mod hd, gyish tan, chalky ls. Fauna same as for remainder of core.

3208-18

3218-23

Core #50. Top 1': Mod hd, gy, marly ls. No change in fauna.
2nd 1': Hd, gy, chalky ls. No change in fauna.
3rd 1': Dk gy, marly, somewhat "lt speckled".
4th 1': No change.
5th 1': Mod hd, dk gy, somewhat "lt speck" ls.
Core #51, Top 1': Like bot of preceding, very few forams.
2nd 1': Gy marly ls. Mat somewhat "lt speck" from soft, chalky crushed foram material.
3rd 1': No change.
4th 1': Mat & fauna as above. Some frags of Inoc. Few forams washing free, no marked change in fauna.
5th 1': No change.

3223-28

3228-33

Core #52. 1st 1': Gy, marly, somewhat "lt speck", ls as above, a few frags of fish scales, very few forams washing free. No marked change in faunal content.
2nd 1': Mod hd lighter gy, chalky textural ls. Very few forams noted.
3rd 1': Gy marl, a few forams.
4th 1': No change.
5th 1': Mat as above, Globigerina, Globotruncana & Gumbelina common.

3233-43

Core #53. 1st 1': Gy, marly ls, a little crushed microfossils mat present; a few frags of fish scales. Few forams washing free. No marked faunal changes.

5th 1': Small sple, like the preceding.
7th 1': Similar to 5th foot, but more forams, many specimens of Globigerina, Gumbelina, Pleurostomella? & Globotruncana.

8th 1': Hd lt gy, chalky textural ls. Few forams wash free.

3243-53

Core #54. Top: Small sple of gy marl, fauna as in 7th foot of preceding core.

Bot: Harder gy marly ls.

3253-56

Core #55. Top: Very small sple of gy marl. No marked change in fauna.

Bot: Larger sple of mat & fauna as above.

3256-60

Core #56. Top 1': Gy, mod hd, chalky textured ls. Fauna sparse, but like the preceding.

2nd 1': Similar to preceding. Some Inoc frags. Some lt speckling from crushed chalky foram mat.

3rd 1': No change.

4th 1': " "

3260-66

Transition bed, "fish bone conglom." Core #57. 1st 1': Tan-gy, hd, calcitic and highly sdy ls. A little phos mat. Some poorly preserved forams. (See #23 on slide).

2nd 1': Gy, chalky textured ls as above the sdy layer.

3rd 1': Like the 2nd foot.

4th 1': Brnsh gray marly ls, some parting highly "light speckled" & very fine & highly sandy. (See #22 on slide).

5th 1': Gy "speck" marl, fish scale frags common, some finely sdy parting.

6th 1': Lt gy, hd, chalky fine grnd cal ss, some phos mat (See #23 on slide).

3266-69

u. Atkinson
u. Tusa.

Approx top E. Ford. Core #58. Top: Unconsolidated, poor core of gy marl & some hd, fine grnd ss.

Bot: Similar to preceding, apparently largely drlg mud. Small sple about 50%, fine to med fine rounded sd.

3269-72

Core #59. Top: Small sple, mod fine, argil qtz sd, a few flakes of dk gy unctuous sh (See #24 on slide).

Bot: Sand as in top of core.

3272-77

Core #60. Top: Fine, even grnd, sl glauc cal qtz ss. A few shreds of carb mat & phos mat.

2nd 1': Ss as above.

3rd 1': No change.

4th 1': " "

3277-82

Core #61. Top: Small sple, fine qtz sd.

Bot: Very small sple, same.

3282-88

Core #62. 1st 1': Soft, fine grn, argil qtz sd as above, some frags of phos mat. A little mica & some shreds of carb mat. A few frags grn-gy sh.

2nd 1': Very fine soft, argil, even grnd ss. A little mica, a trace of glauc & some small frag of phos mat.

3rd 1': Very small sple, like the preceding.

4th 1': No change.

21, 23 -
FERN
V SL Glauca
0122 SS,
A 71E
SH

FERN
0-7M Sand,
poorly consolidated

3288-90

25
Cyprina
Spon
Gambelina
Globotruncana
H. B. P.
Planulina
E. P. P.

Core #63. Top: Gy, speckled sh. Specimens of Globigerina sp., Gumbelina cf. moremani, Planulina eaglefordensis common, some specimens of one species of Globotruncana. (See #25 on slide).

Mid: Gy grn, flaky sh (poorly washed).

Bot: Gy grn silty sh & lenses of soft siltstone.

Core #64. 1st 1': Gy grn sh & some fine sd. Pyrite nodds common. A few forams (prob from drlg mud).

2nd 1': Thinly laminated, sl micac gy-grn sh.

3rd 1': Sh as above & some fine sd, many pyrite nodds.

4th 1': Sl mica flaky gy-grn sh, some highly pyritic & silty lenses which contain very minute Globigerinas & Gumbelinas.

3293-3303

OK
KTH

Core #65. 1st 1': Gy grn thinly flaky sh & a few thin lenses of micac siltstone. (See #26 on slide).

2nd 1': Like the 1st foot. A few fish bone frags.

3rd 1': Sh as above, little siltstone.

4th 1': Sh & some siltstone, a few phos frags & some pyrite nodds.

3303-13

OK

Core #66. 1st 1': Gy argil, cal mod hd, phosphatic ss (frags of fish bones common). Sd grns commonly fine w/ scattered cse grns present. A trace of glauc. (See #27 on slide).

2nd 1': Gy grn sh w/irreg finely & highly sdy lenses. Phos fish bone frags fairly common. A few crushed specimens of Plan. eaglefordensis.

3rd 1': Gy grn sh irreg, finely & highly sdy, crushed & broken, chlky microfoss mat abdt in sdy areas of core. Specimens of Plan. eaglefordensis present. Crushed specimens of this form abdt. A few Ostracods noted & many small frags of Ostrea-like fossil bivalves.

4th 1': Argillt gy-grn siltstone.

5th 1': Highly argil gy grn fine grnd shaly ss. Crushed, chalky fossil mat abdt. Some specimens of Plan. eaglefordensis.

6th 1': Argil fine grnd gy ss w/abdt frags of phos fish bones & teeth. Scattered qtz grns cse in size also present.

7th 1': Like the 6th part of this core.

8th 1': Gy, highly lt speckled (crushed & finely broken chalky fos mat). Sh, fish bone frags, fairly common. Scattered sd grns present in the sh (See #28 on slide).

OK

9th 1': Similar to preceding but sd more abdt & more generally distributed in the clay sh.

10th 1': Mat & fauna as at 8th foot of this core w/irreg areas & vein like strks of hd, dense, very fine grnd cal ss.

3313-18

Core #67. 1st 1': Mod hd, gy, cal & argil fine even grnd ss. Frags of fos bivalves fairly common. A trace of glauc.

2nd 1': Mat & fos frags as above, also some frags of

of macro-fofos & little phos mat, trace of glauc.
2nd 1': No change.
3rd 1': Gy, highly argil, very fine grnd ss, some frags
of fos bivalves, trace of glauc, some phos mat.
4th 1': No change.

3323-26

Core #69. Top: Like bot of preceding.
Mid: Mod hd, brnsh gy, highly argil & cal very fine
grnd ss, many frags of Oystrea like bivalves.
Bot: Gy, argil cal very fine grnd ss. Some frags of fos
bivalves & of phos mat pulverized, chalky, fos mat abdt
in matrix.

Lower & Mid Atkinson. Core #70. Top: Lt gy argil ls.
(See #29 on slide).

Bot: Mod hard, lt gy, highly cal & somewhat silty clay
or impure ls, some shell frags. (See #30 & 31 on
slide).

3328-31

Core #71. Top: Gy, mod hd, highly cal clay sh, very
finely & irreg sdy, many frags of macrofos, sev species
of Ostracods & forams. Foram fauna is unusual in
character & contains some forms which are related to
L. Cret species, species present are Patellina cf.
subretacea, Discorbis cf. floscula, Haplophragmoides
sp, Marsonella cf. ellisori, Ammobaculites (frag),
Gyroïdina sp. (See #33 on slide).

Mid: Hd lt gy, argil ls similar to top of Core #70
Bot: Gy sdy & highly cal hd clay similar to top of core.
Many frags of fos bivalves & some Ostracods, some speci-
mens of Ammobaculites n. sp. (as in the Bennett & Lang-
dale). Some frags of Nodosaria sp. (See #34 on slide).

Core #72. 1st 1': Mod hd, gy, sl sdy marl. Many frags of
fos bivalves.

2nd 1': Mat similar to preceding but finely sdy. Many
shell frags. A few Ostracods.

3rd 1': Grnsh gy, fissile, somewhat micac & irreg
silty shale. Some shreds of carb mat, a trace of glauc,
several species of Ostracods & of forams, Ammobaculites
advenus, Ammobac. agrestis, Trochammina rainwateri &
Reophax sp fairly common. (See #35 on slide).

4th 1': Like the 3rd foot in lith & fauna (See #36 on
slide). Ammobaculoides plummerae also present.

5th 1': Gy, thinly flaky, somewhat mica sh & some fine
qtz sd. A trace of glauc, some shreds of carb mat. A
few forams. Species as above. (See #37 on slide).

Small pyrite nods common.

Core #73. 1st 1': Grnsh gy, somewhat finely micac
thinly flaky sh. Some silty partings. Some frags of fish
bones & some small frags of carb mat. Some small speci-
mens of Ammobaculites.

2nd 1': Like the preceding.

3rd 1': Similar in lith & fauna to preceding but more
silty.

3326-28

Woodbine
Marine sh of
Tusc.

3326-28

3326-28

3328-31

3328-31

3328-31

3331-36

3331-36

3331-36

3331-36

3331-36

3336-44

3336-44

3336-44

3336-44

3326-28
Woodbine
Marine sh of
Tusc.

3328-31
Patellina sp.
Marsonella sp.
Haplophragma
Bennett & Langdale
Ammobaculites
Nodosaria
Reophax

3331-36
Ammobaculites
Trochammina
Reophax

3336-44
Ammobaculites
Trochammina
Reophax

3336-44

- 3344-49 (whole is called TUSA)
 3349-55
 3356-61
 3361-66
 3366-71
 3371-76
 3376-79
 3379-82
 3382-87
 3390-92
 3394-96
 3396-3400
 3402-06
 3405-16
 3416-21
 3421-24
 3426-31
 3431-36
 3436-39
- Core #74. Washed sple of fine to mod fine qtz sd, some carb & a little phos mat.
 Core #75. Washed sple of sd as in preceding. A little glauc.
 Core #76, Rec. 4'. Top: Like the preceding. Mid: Sd averaging sl cser, only trace of glauc. Bot: No change.
 Core #77, Top: Washed sple of fine to mod cse qtz sd, a little gy sh. Bot: Soft, fine to cse argil qtz sd.
 Core #78. Top: Fine to cse, sl glauc qtz sd, some frag of embedded shell mat. (See #38 on slide). Bot: Small washed sple fine to cse qtz sd, sl glauc.
 Core #79. Small washed sple of fine, chalky, etched sl glauc qtz sd.
 Core #80. Top: Wh ss, grns fine to cse, occas grns of rose qtz & some phos, Nods. A little glauc matrix wh & very finely gran. A few frags of shell mat. (See #39 & 40 on slide). Bot: Very small washed sple of fine to cse qtz sd, some phos nod. A trace of glauc.
 Core #81. Top: Like bottom of preceding core. Bot: Like top. No phos mat. Vague trace of glauc.
 Core #82. Top: Poor core, much mat from drlg mud. Apparently fine to cse, glauc qtz sd. Bot: Fine to cse qtz sd. Small washed sample.
 Core #83?
 Core #84. Fine to mod fine sl glauc qtz sd (poor core). Some sdy tubular bodies. (See #41 on slide).
 (Core #85?). Core #86. Small washed sple of fine to cse somewhat glauc qtz sd. Mat also sl micac & phos.
 Core #87. Top: Like the preceding core. Bot: Very small sple of fine to cse qtz sd, some chalk matrix (may be from drlg mud).
 Core #88?
 Core #89. Fine, angular cal qtz ss, some glauc & phos mat, a few shell frags. (See #42 on slide).
 Core #90. Soft fine to cse qtz sd in chalky matrix.
 Core #91. Top: Fine to cse qtz sd. A trace of glauc. Bot: No change.
 Core #92. Top: Washed sple of fine to mod fine qtz sd. A few cse grns, a trace of glauc. Matrix apparently chlky. Bot: Fine to coarse, sl glauc qtz sd (washed sple).
 Core #93. Top: Like bot of preceding. Bot: No change.
 Core #94. Top: A glauc fine to cse grnd ss w/some gy silty clay areas & apparently some lenses of thinly flaky dk gy, somewhat mica sh (See #43 & 44 on slide). Bot: Like top.
 Core #95. Top: Dk gy sh & glauc ss. Sd grns poorly sorted like the preceding.

✓ *Comp. 5/24/49*
US, 50 WP

*W 1176 PS SS -39
 46*

*P. 1176
 ✓ L. 1176
 C. 1176*

OK

OP 5/24/49

3443-45

Bot: Like preceding.
Core #97. Top: Fine to mod fine etched qtz sd in white bentonitic matrix. (See #45 & 46 on slide).

3445-47

Bot: No change.
Core #98. Top: Like the preceding.
Bot: No change.

3447-49

Core #99. Top: No change.
Bot: Silty crm colored fine to mod fine grnd ss, etched sd.

3449-54

Core #100. Top: Like the preceding.
2nd 1': Fine to mod cse etched qtz sd, some pink or peach tinted grns; crm colored bentonitic matrix.
3rd 1': No change.
4th 1': Fine to mod fine grnd ss like preceding in char.
5th 1': No change.

3454-59

Core #101. Top: Sd as above w/some red stnd grns & a few very small frags of red clay sh.
Mid: Fine to mod fine etched qtz sd.

3460

Cut of sd as above & cavings from base of Atkinson.

3461-68

Core #103. Top: Fine to mod fine, etched qtz sd. Some pink stained grns in crm colored ashy matrix.

2nd 1': No change.

3rd 1': No change.

4th 1': No change.

3468-71

Core #104. 1st 1': Like preceding.
2nd 1': No change.

3rd 1': Fine to cse qtz sd etched, many pink stained grns.

4th 1': Like the preceding.

5th 1': Fine to mod fine etched qtz sd, many yellow & some pink tinted grns.

6th 1': Fine, even grnd sl etched sd. A few pink tinted grns.

3475-80

Core #105. Top: Sd as above in a lt red matrix.

Mid: No change.

3481-85

Core #106. Top: Fine yellow stained sd.

Mid: Brnsh red-yellow & wh mottled highly argil ss or highly sdy clay sh. Apparently a soft mixture of mod fine grnd ss in red & yellow clay matrix w/many limonitic areas & dk red, somewhat mica sh. (See #47 & 48 on slide).
Bot: Top of Weathered? Paleozoic. Mottled gy, mustard & red unctuous sh.

3485-87½

Core #107. Unctuous, thinly laminated mottled sh w/hemitite in partings. (See #49 & 50 on slide). *Pal. Carboniferous sh.*

3487-92

Core #108. Top: Mottled unctuous sh as above.
Bot: No change.

3492-97

Core #109. Top: Black Paleozoic sh w/red area on upper contact. (See #51-55 on slide).

2nd foot: Blk Paleoz sh (See 56-60 on slide).