

DIX-OT -3  
#1 Hazel Langsdon  
Core Description

- 6 3211-20 Bottom- Argillaceous sand, F-grn, A-SA, WS, Trace glauc, yellow-stained sand. 40% dark olive clay matrix. Soft, slight fissility. Lower Atkinson
- 7 3220-30 Top- Laminated clay, dk-grey with olive cast, V. finely micaceous and ashy with sand as 3211-20 but ashy and micaceous. Bottom- M-grey fine-grained silty sand, just enough silt to bind. Tr F-grn mica.
- 8 3230-40 Do. Highly glauc & micaceous. Thin laminae of black shale in middle. Bottom- M-grey fissile hard shale. ("Poker chip" shale)
- 9 3240-50 Top- sand, white, F-grn, WS, unindurated. Tr F-grn red sub-oolitic hematite, chips of lt-grey shale. Matrix SL. Calc.
- 10 3250-60 Do. Much ochre-color clay in bottom of interval.
- 11 3619-21.5 V. sandy LS. Sand 70% F (mostly) to m-grn, SR-R. Rock purple to white to yellow. Tr white quartzite, V. hard (Paleozoic contact?)
- 13 3646.5-47.5 Quartzite, lt-grey, V hard and dense, pyritic.
- 14 3668-71 Top - Quartzite do.  
Middle- Shale, brown, V- highly micaceous, hard.  
Bottom. White VF-grn quartzite with V. thin laminae of shale as middle of interval.

Report on samples studied from the Sun Oil Company #1 Hazel Langston, Dixie County, Florida.

- 1700 - 10' = 1894 - in Putnam number Co. well  
Top of Upper Lawson. Tan, crypto-crystalline, highly gypsiferous limestone; a few pitted areas.
- 1710 - 20' Like the preceding; a few sections of molds of Orbitoides? and fragments of impressions of other micro-fossils.
- 1720 - 30' Light cream, porous, granular, chalky gypsiferous limestone, apparently originally a coquina of small micro-fossiliferous molds and fragments.
- 1730 - 60' Like the preceding.
- 1760 - 70' Tan, finely porous, finely granular or minutely globular, highly gypsiferous limestone; some free gypsum.
- 1770 - 90' Like the preceding.
- 1790 - 1800' Similar to the above; much less porous, granular texture, less distinct.
- 1800 - 60' No change.
- 1860 - 70' Light tan, gypsiferous, chalky limestone.
- 1870 - 80' Tan, succross, slightly pitted gypsiferous dolomite.
- 1880 - 90' No change.
- 1890 - 1900' Same and at least 50% cavings.
- 1900 - 10' = 2197 - in Putnam L. Co.  
Top of Lower Lawson Light tan, gypsiferous chalk; some fragments Echinoid spines (Lower Lawson type)
- 1910 - 20' White chalk, similar to above in character; some species of Lepidorbitoides in chalk fragments.
- 1920 - 50' No change.
- 1950 - 60' Softer white chalk, many fragments of Lepidorbitoides, Echinoid spines, some Bryozoans, specimens of Cibicides harperi.

2050 - 60'

No change.

2060 - 70'

Gypsiferous dolomite as at 2020 - 30'.

Notes:  
On Lower  
Lawson  
Section

Section continues as alternating lenses of gypsiferous dolomite and chalk with fauna similar to that listed above, some small Brachiopods and the characteristic, disk-shaped ~~Bryozoans~~ Algae? Robulus species (common to the Lower Lawson) added to the fauna. A few Inoceramus fragments came into material about 2180'. Large specimens of Cibicides harperi and some increase in number of Echinoid fragments first noted at 2230'; first specimens of Bolivina incrassata at 2250'. Some specimens of Globotruncana arca also present in this part of section.

2310 - 20'

Top of  
Taylor

White chalk and a few fragments of the typical gray (Lower Lawson-Taylor contact) bentonitic sh., many Inoceramus fragments and prisms. Many specimens of the large variety of Cibicides harperi and Bolivina incrassata, some specimens of a slightly ornamented variety of Anomalina cosdeni, Stensioina americana, Globorotalia micheliniana, Planulina cedarkeysensis and others.

Typical Anomalina cosdeni comes into the section a short distance below the top of the Taylor.

Large anhydrite crystals in chalk first noted at 2500 - 10'. Increase below this depth.

Section 8-8S-14E  
Dixie County, Florida  
Elevation: 33' D.F.  
Report By: E. R. Applin  
Date: August 1947

Herewith report on samples studied from the Sun Oil Company #1 Hazel  
Langstone, Dixie County, Florida

- 2650-60 Cut of mod soft white chky ls & about 25% frags of fine grnd  
lt tan-gray dol. Many Inoceramus frags. A few forams. No  
narrowly restricted species noted.
- 2660-70 Like the preceeding, with the addition of a few frags of brn-  
gy marly sh & very little dol.
- 2670-80 No change.
- 2680-90 Cuttings of wh mod soft chky ls. Many Inoceramus frags & some  
frags of an Ostrea-like bivalve very few forams, no diagnostic  
species.
- 2690-2700 and 2700-10', No change.
- 2710-20 Similar to above. Some frags of ls at this depth highly pyritic.
- 2720-30 Cuttings of wh chky ls, many Inoceramus frags, a few frags of gy  
marly sh & a few of fine grnd dol. Few forams washing free.
- 2730-40 No change and (2740-50') - (2750-60')
- 2760-70 Approx top of Austin. Like the above, also a few frags of brn-  
gy somewhat wh speckled marly sh, common to portions of Austin  
sections in this area.
- 2770-80 Like the preceeding and (2780-90) - (2790-2800').
- 2800-10 Cuttings of soft, wh chky ls and abundant Inoc. frags &  
prism, many of these pyritized. Few forams.
- 2810-20 Like the above.
- 2820-30 Like the above. A few of the chky ls frags very highly micro-fos.  
forams and frags of larger fos.
- 2830-40 Frags of the chky ls & Inoceramus frags as above, also many  
frags of gy somewhat wh strkd and spotted marly sh.
- 2840-50 No change.
- 2850-60 Similar to above, but poor sample, highly iron-stained from  
drilling frags.
- 2860-70 Like the preceeding.
- 2870-80 Similar to above. Abundant cavings.
- 2880-90 White & lt gy and brnish gy ls & some marly sh. Abundant Inocera-  
mus frags & prisms, some forams.
- 2890-2900 Like the above, some frags of darker gy & brnish gy somewhat  
wh speckled marl also present.
- 2900-10 Similar to above, but gray and brnish gy, "Speckled" marl frags  
about 50% of the sample.
- 2910-20 No change & (2920-30') & (2030-40) (2940-50) (2050-60) (2960-70).
- 2970-80 Materials as above-specimens of Globotrunca, Globigina & Gum-

- 3030-40 Gray & brnsh gy "speckled" marl as above - also many frags of a wh chlky ls which contains abundant small calcite molds of forams and small calcitic frags of other fossils and scattered crystals of dol. Some cavings of wh ls & other materials from higher depths.
- 3040-50 Wh ls as above, some cavings & some frag of a dark brn, "speckled", thinly laminated sh.
- 3050-60 Cuttings of wh ls including many frags of the highly micro fos ls noted at 3030-40 & about 50% frags of gy "speckled" marl.
- 3060-70 Similar to the above. Gray and dk brnsh gy "speckled" marl about 75% of sample.
- 3070-80 Like the preceeding, Globigerina and Gumbelina reussi fairly common and some specimens of Gumbelina moremani and Eouvirgerina aculeata present.
- 3080-90 Sample mainly composed of frags of gy and brn gy "speckled" marly sh. Fauna poor, similar to above.
- 3090-3100 Speckled sh as above, also abund frags of a cream to tan colored hd ls which is a mass of calcite particles (fos broken & calcitized fos mat). This ls seems to be also slightly finely sandy and shows some irreg strks of blk (carbonaceous?) residue.
- 3100-10 Like the preceeding.
- 3110220 E.F. break. Cut of mod hd, very finely sandy lt tan-gy ls & sand frags of (prob. lenticular) a gy, cal ss, s grnd very fine to mod fine in size. Occasional frags of the ls show clusters of qtz crystals. Some veins of various sized quartz crystals also represented in the cutting frags.
- 3120-30 Cut of very finely sandy crm colored ls as above.
- 3130-40 Cut of s ls as above & frags of a gy "speckled" sh. This shale somewhat dif in color & texture from that noted above the "break". Sample small suggesting that the sh is the material being drilled. Many specimens of Plan eaglefordensis present.
- 3140-50 Cut sample composed almost entirely of gy somewhat lt speckled marl; specimens of Globigerina, Planulina eaglefordensis and Gumbelina moremani noted.
- 3150-60 Sh as above & about 50% very fine grnd crm & tan colored cal ss.
- 3160-70 As above, also some cavings from higher depths. Forams abundant. Globigerina & Gumbelina dominant. Planulina eaglefordensis present.
- 3170-80 Buttings of gray impaet "speckled" sh, some frags of very fine grnd tan colored cal ss. forams present, but much less abundant.
- 3180-90 Cuttings of dk gy somewhat lt speckled sh & fine grnd ss as above. Fauna same as above. Also some frags of a gy fine to nod fine grnd slightly glauc ss. Break (?).
- 3184-87 Core, Rec. 2'. Glau ss. Top: Soft gy fine to nod fine grnd glauc non-cal ss.  
Bottom: Like the above, s is angular to sub-angular, little clay matrix, some phos bone frags present.
- 3187-91 } Core, Rec. 18", Top: Gy, somewhat lt speckled marl as above the glauc ss & a little ss as above. Some specimens of Glob cf. cretacea present. (Is this really a part of a core?).  
Bottom: Soft fine to nod fine, sub-ang grnd argil glauc ss.

W. Atkinson  
E. Hand

W. Atkinson

present.

Second: ss as above & what looks like a frag of a large chalk nod. (I question the authenticity of the position of this nod).

Third 15": Dark grnish gy, argil, glauc & somewhat phos fine to mod fine grnd sub-angular qtz ss.

Bot 25": Smooth, gray, thinly laminated, somewhat finely mica sh with irreg sandy areas. Shale is non-cal. Pos. some lenses of gy argil & phos glauc ss. No fossils other than phos bone frags. (from ss) noted.

3201-11 ✓ Top 30": Soft gy fine to nod coarse grnd glauc argil & somewhat phos ss. Some thin lenses of flaky sh as above.

Bot 20": Gy, non-cal flaky somewhat finely mica sh. Sh has some irreg glauc sandy areas. No fossil material other than a few phos nodules noted.

3211-20 ✧ Rec. 9'. Top: Soft gy mainly fine grnd argil & somewhat glauc ss. A little phos material also present. A frag of gray clay sh slightly glauc also present. Prob represents a shale lense in the ss.

Mid: Gy, soft, argil glauc & somewhat mica ss. Sand grains mainly fine.

Bot: Thinly flaky gray, mica sh with thin & irreg lenses of fine grnd glauc s. The sh shows some small frags of carb mat.

3220-30 7 Core, Top 2': Thinly laminated gy sh with some lenses of lt gray glauc & somewhat mica, argil very fine grnd ss.

Sec. 2': Thinly laminated gray sh. The sh has irreg sandy areas and is also interbedded with thin lenses of glauc & somewhat mica fine grnd ss. A few small frags of phos mat also noted in the ss.

Third 2': Irreg lenses of sh & fine grnd glauc & mica ss as above. Some small frags of carb mat.

Fourth 2": Fine grnd, argil mica & glauc ss with some thin lenses of gray sh & some frags of carb mat.

Bot 2': Irreg lenses of sh & ss as above.

3230-40 8 Top 3': Like the above.

Sec. 3': Lt gy fine to nod fine grnd glauc & slightly phos, somewhat mica ss.

Third 14": Gy, thinly laminated sh with some irreg silty & mica, slightly finely carb lenses.

Fourth 20": Gray, thinly laminated finely mica cal sh. Some small frags of carb mat & a trace of glauc.

Bot 9". L. Cret Break. Top of L. Cret. White, non-cal highly argil very fine grnd ss, or sandy clay. Matrix & s each about 50% of core. S is fine grnd qtz with some pink tinted grnd.

3240-50 9 Core, Top: Like the preceding.

Mid: mat much less argil & slightly coarser grnd.

Bot: Like the preceding.

3250-60 10 Top 2": No change.

Sec. 2': " "

Third 2': Bright mustard colored argil fine grnd ss similar to preceding in character. Color due to clay matrix.

Bot 2': White siltstone with irreg yellow brown mottling.

- argil ss & nod fine grnd loose sand.  
No change.
- 3280-90  
3290-3300 Cut mainly mod fine s & cavings from higher depth. Coarse frags of deep brownish yellow & red fine grnd very dense quartzitic ss. A few small frags of a pink, very fine grnd argil ss.
- 3300-10 Mainly cavings of gy sh & fine to nod fine loose s. Some mustard colored and white argil ss nodules.
- 3310-20 Like the preceding. A few frags of raspberry colored finely sandy clay.
- 3320-30 Cavings of gray sh about 50% fine to mod fine loose sand & frags of wh, mustard colored and pink, argil ss. Coarse frags of the yellowish brown quartzite like ss.
- 3330-40 Mainly cavings & fine to nod fine-loose sand..
- 3340-50 Like the preceding.
- 3342 S.W. Core, soft, very fine grnd, white & deep yellowish tan mottled argil ss.
- 3350-60 Cavings (mainly of gy sh) fine loose sand and a few frags of very fine grnd wh argil ss.
- 3362 S.W. Core. Lt reddish brn, fine grnd argil ss.
- 3360-70 Cavings mainly of gy sh and fine sand. A few frags of wh & deep mustard colored argil very fine grnd ss.
- 3370-80 Cavings about 50%, remainder frags of crm colored fine to mod fine grnd ss, some frags of yellow argil ss. A few frags of pink argil ss.
- 3380-90 Cavings of sh from higher depths and about 50% fine to coarse loose sd, coarse grns abundant. Some nod, frags of wh, dark red-brn and grnish yellow argil ss.
- 3390-3400 Like the preceding.
- 3400-10 Similar to above but coarse sand grnd must less abundant & a number of frags of finely & highly sand mustard colored clay sh.
- 3410-20 Like the preceding, some frags of mustard & red mottled sandy clay sh.
- 3420-30 No change.
- 3428 S.W. Core. Fine grnd, reddish brnsoft argil ss.
- 3430-40 Definite cavings about 50%, remainder fine to coarse sand and frags of purplish red & mustard colored finely sandy sh.
- 3440-50 No change.
- 3450-60 Cavings, fine sand (some coarse grns.) frags of brn, red-brn & mustard colored finely s. clay sh & fine grnd nod, of ss in same colors.
- 3460-70 Like the preceding.
- 3462 S.W. Core, Soft white argil fine to mod fine grnd ss.
- 3470-80 Cuttings, mainly fine to nod fine loose sd, some frags of sdy, deep mustard colored clay. (Appears to be nodular.) Some frags of fine grnd, wh, argil ss.
- 3480-90 Fine loose sd. Some deep mustard colored & brnish red, argil & sdy nods. Some definite cavings.
- 3490-3500 Fine sand, some coarse grns & many frags of mustard colored & some red-brn highly sandy clay.
- 3500 S.W. Core, Lt reddish tan, soft, argil fine grnd ss.

- 3420-30 Fine to very coarse sand (some frags of small pebble size) frags of finely sandy mustard colored clay sh, some mustard colored, wh & reddish brn mottled sd clay sh. Abut 50% of sample cavings of materials from higher depths.
- 3530-40 L. Break. Mottled wh & mustard colored, (a few pink stks) hard, cal ss or sd & dol ls. Sand content about 50%, but irreg distributed, fine grnd, some cavings as above.
- 3540-50 Cuttings of materials like the preceding hd, cal, mot. yellow and wh ss (much cement) frags of purplish red & wh, finely sdy clay sh, some loose sand & cavings.
- 3550-60 Similar to preceding but sd sh frags relatively more abundant.
- 3552 S.W. Core. Yellow & wh mottled, argil fine grnd soft ss.
- 3560-70 Cuttings of red, blue & mustared, finely sd clay sh. Frags of lt purplish red & wh finely sd hard cal material (hard dol ls?) Fine loose sd & cavings from much higher depths.
- 3570-80 Cuts of fine grnd wh ss of pink & wh & some yellow mottled sdy ls & cal ss & some finely sdy mustared & red brn shaly clay. Some obvious cavings.
- 3580-90 Cuttings composed mainly of frags of hd, dense, wh & light raspberry colored, sandy cal rock. (Mat ever~~esses~~ somewhat, looks like ls & is hd, matrix about 50% of material). Many frags of wh & yellow, slightly cal soft ss. Some mottled raspberry, yellow & white sandy clay. Some cavings. The material which looks like a sdy ls may be in part dolomitic.
- 3590-3600 Like the preceding.
- 3600-10 As above. A few frags of gy of white & of deep yellow quartzite(?) or very dense hd ss.
- 3610-15 Cuttings of yellow & wh, nodular? dolomitic? ls & frags of a dense fine grnd deep yellow ss, some ss frags light bluish grn and some wh. Some frags of mottled sandy clay. A few frags of white quartzite(?). Break?
- 3615-20 Similar to above with frags of very hd, dense, fine grnd wh ss relatively more abundant.
- 3619-21 || Core, Rec. 18". "Boulder conglomerate." Very hd dense, fine, lt blue-grn, deep yellow & purplish mottled ss. Large frags of wh & yellow fine grnd quartzite.
- 3620-25 Cuttings composed mainly of frags of a very dense, fine grnd (quartzite-like) ss in wh, blue grn, deep yellow, yellow brown & brnish red. Some frags of vary colored dolomite, nodular? ls & sdy ls as above & some obvious cavings of material from higher depths, some loose sand.
- 3625-30 No change.
- 3630-35 Small sample, no change.
- 3635-40 Pal. Mainly gy & wh dense, fine grnd, somewhat mica ss. Other material noted above also present.
- 3640-45 Like the preceding more micaceous. Some lt bluish grn, mica ss & a few frags of mica lt blue grn sh.
- 3646-47 12-23 Core. Rec. 3". Very hd lt gy quartzite with many small inclusions of amorphous gold colored pyrite.
- 3645-50 Paleozoic. Cuttings compared mainly of frags of hd, dense, mica,



3650-55  
3655-60

Like the above, shale frags more abundant.  
Cuttings strongly dominated by frags of fine grnd, dense, hard  
white ss.

3660-65

Cuttings compared mainly of hd wh & of lt grnish gy, somewhat  
mica ss.

3665-70

Like the above. Some frags of a hd dk brn, schist(?)

3668-71 14

Core. Rec. 2 1/2'. Top: Lt gy quartzite with thin dark brnish  
gy highly mica schistose lense, ss is lt gy to lt grnish gy,  
mica, thinly laminated.

Mid: Brnish blk, thinly laminated very highly mica sh. The  
highly mica portions of the core seem to be in thin lenses,  
strkd thru the much less mica sh.

Bot: Like the top.

- 41 | Milky wh. vc. sg, poorly sorted g to sd  
 16-66 | <sup>off</sup> wh, micro, porous, hard ls  
 16-76 | do  
 16-86 | buff, of-micro, porous, hard dol  
 86-96 | do  
 96-106 | buff, micro, hard, fairly porous, highly foss microporosa like ls  
 106-136 | H.S.  
 136-201 | gray, of-micro, porous, gyps, hard dol  
 156-201 | off wh, very fairly tight, gyps ls  
 151-201 | do but of wh. crin, porous & w/ chert foss  
 158-201 | do + 10% wh, micro, hard - v soft, loose gyp  
 154-201 | gray, buff, v. x-ray, porous, gyps dol w/ Tr. look gyp as above  
 160-201 | do but micro  
 161-201 | do  
 162-201 | do  
 163-201 | do  
 164-201 | do but of micro  
 165-201 | do but of x-ray  
 166-201 | buff, of x-ray, porous, hard, gyps dol + 5% loose, wh, porous, hard soft, micro gyp  
 167-201 | do w/ abundant ls - small vugs  
 168-201 | do

- 1720-30 | do Tr. loose gyp
- 1730-40 | do
- 1740-50 | do
- 1750-60 | do
- 1760-70 | do but micr of rials + 10% loose gyp
- 1770-80 | 14 tan, f-vt rials, porous hard gyps f dol + Tr. loose gyp as above

Appears to have rather ped ls texture

- 1780-90 | do but f-micro
- 1790-00 | do but buff
- 1800-10 | do
- 1810-20 | buff, micr, porous, hard gyps f dol + 5% wh, loose, micr, hard soft gyp
- 1820-30 | do
- 1830-40 | do + Tr. loose gyp
- 1840-50 | do but no loose gyp
- 1850-60 | do
- 1860-70 | do + Tr. loose gyp
- 1870-80 | do but fairly tight
- 1880-90 | Mbrg, micr, fairly tight, slightly gyps f hard dol
- 1890-00 | do
- 1900-10 | buff, ind, dolc ch
- 1910-20 | buff, ind, lumpy ch w/ some of rials, Mbrg, dol replacement
- 1920-30 | do

1960-70 | do but slightly darker & in microfoss

1970-80 | do

1980-90 | Crmy, ind, lumpy ch w in microfoss

1990-00 | do

2000-10 | Crmy, ind, lumpy, foss ch

2010-20 | do

2020-30 | Mbony, uf-micro, tight, hard, + xpsf dol

2030-40 | Crmy, ind, lumpy, foss ch

2040-50 | do

2050-60 | do

2060-70 | dol AS(2020-30)

2070-80 | Crmy, ind, foss ch

2080-90 | do

2090-00 | do

2100-10 | dol AS(2020-30)

2110-20 | wh, pure, ind ch

2120-30 | do

2130-40 | Mbony, micro, hard, tight, + xpsf dol

2140-50 | wh, pure, ind ch

2150-60 | dol AS(2130-40)

2160-70 | wh, pure, ind ch Tai J. prisms

2170-80 | do

- 2210-20 | do w/ abund toy, vtrials, chy, perous, ind dol
- 2220-30 | wh, ind, fess ch
- 2230-40 | do w/ abund I. pnsas
- 2240-00 | do
- 2320-30 | do
- 2330-40 | do + 30% I. pnsas
- 2340-50 | ch + 20% I. pnsas
- 2350-60 | wh, ind, pure ch w/ abund I. pnsas <sup>some</sup> vtrials 10-20%
- 2400-10 | do
- 2450-60 | do w/ 25% I. pnsas
- 2480-00 | do w/ 10% I. pnsas
- 2500-10 | wh, hard, pure ch w/ I. pnsas & fcrans
- 2550-60 | do w/ Tr, Hgry vtrials, abund sup vtrials
- 2600-10 | wh, hard, fairly pure ch w/ Tr, fcrans, I. pnsas, sup vtrials
- 2610-20 | N.S.
- 2620-30 | wh-butif, hard, fairly pure ch w/ Tr, I. pnsas, sup vtrials, pyr
- 2630-40 | do
- 2690-00 | do but typ is C-f gm
- 2700-10 | do
- 2710-20 | do
- 2720-30 | do
- 2720-40 | do

2770-80) do

2780-90) do

2790-00) do

2800-10) lt grey, ind Arg ch w/ abund Ti prisms & thin pyrite

2810-20) do w/ abund chert oil stain

2820-30) do

2830-40) brn grey, blocky, hard, calc sh

2840-50) do

2850-60) do

2860-70) do

2870-80) do

2880-90) do

2890-00) do non w/ well developed calc. lenses

2900-10) do

2910-20) do

2950-60) do

3000-10) do

3010-20) do

3020-30) do brn blocky-fusile

3030-40) lt grey, ind, ch w/ abund M-crystal, each chert nodules in the ch

3040-50) sh as above

3050-60) do

3090-00 | do but dolie w/ in pyr

3100-10 | do but sdy + not dolie

3110-20 | buff, micig, ind, porous sdy ls

3120-30 | olive gn, soft, blocky, calc sh Trip. pyr

3130-40 | do

3140-50 | deep olive gn, fissile, soft, calc sh Trip. pyr

3150-60 | do

3160-70 | do but deep olive gn - dk lustrous

3170-80 | do

3180-90 | do w/ some gray fgn, glauc, ind ss

3190-00 | Gr. fgn, glauc, ind, arg, slightly pyritic ss

3200-10 | dk gray - dk brown, fissile, hard sh

3210-20 | ss as (3190-00)

3220-30 | con. con. deep.

3230-40 | "

3240-50 | "

3250-60 | "

3260-70 | Gr. fgn, glauc, fairly tight, ind, arg ss w/ abund ochre-colored cly In. fgn  
heraldic

3270-80 | do

3280-90 | do

3290-00 | sh as above

3300-10 | ss as above

- 3340-50 | SS as above
- 3350-60 | sh as above
- 3360-70 | SS as above
- 3370-80 | C-mg, f-mg, slightly calc, red ss w/ 1.20% wh clay matrix      In pyr
- 3380-90 | sh as above
- 3390-00 | wh-yel, C-mg, SR-SA gtr sd      Tr. red fgr. matrix
- 3400-10 | sh as above
- 3410-20 | do
- 3420-30 | C-f-mg, wh-yel gtr sd in 50% red clay matrix, friable
- 3430-40 | C-f-mg, wh-yel gtr sd in 50% red-yel mottled clay matrix, friable
- 3440-50 | do
- 3450-60 | do + 10% wh, ind, calc clay
- 3460-70 | do no wh clay
- 3470-80 | do
- 3480-90 | sh as above
- 3490-00 | do
- 3500-10 | As(3430-40)
- 3510-20 | do
- 3520-30 | sh as above
- 3530-40 | wh-yel-pink, mung, hard, light, dense finely sdy dol
- 3540-50 | G-mg, fissile, hard, calc sh has wh calc patches
- 3550-60 | As(3530-40)



3590-00 | sh as above

3600-10 | yel-wh, micro, v sely, ind ls | sd is fgny

3610-15 | yel, micro, ind, tight ls

3615-20 | do w/ abund wh-lt gray-yel qtztz

3620-25 | do

3625-30 | do qtz is wh-yel-lt gray-bns | ls is wh-yel

3630-35 | qtztz only

3635-40 | do

3640-45 | Gry, hard, dense, sparse qtztz

3645-50 | do now mic

3650-55 | do plus gry, highly mic, fossilifer, hard sh

3655-60 | do but qtztz is vlt gray & not mic

3660-65 | do but qtztz is now mic

3665-70 | do