

FLA-Gil-OT-1

52-60	100%	fine-med well rounded Qtz	black calc. shale	tr	
60-70	90%	"	10% non-calc	tr	shell frags
70-80	Trace	"	100%	"	"
80-90	100%	White incl chert			"
118-122		Same			
122-1300		No sample			
1300-10	60%	wh ind ch w/ bl specks	40% tan-gr micro hard light dolo		shell frags
1310-20	40%	"	60%	also 1% grey	"
1320-30	20%	"	80%	"	forams
1330-40	100%	tan-gr micro hard dolo - some vuggy			
1340-50	70%	"	30%	wh ind ch	partly dolomit
1350-60	80%	some cse clay tan dolo.	20%	"	"
1360-70	100%	no cse clay	tr	"	"
1370-80	30%	"	10%	"	60% tan fine cry vuggy ls.
1380-90	30%	tan-gr f-cse cry dolo	70%	tan f-cry vuggy ls	wh ind dolomit ch
1390-00	40%	"	50%	"	tan dolo.
1400-10		No sample			
1410-20	50%	"	30%	"	20%
1420-30	40%	"	10%	"	50% ch. vuggy ls as above.
1430-40	20%	"	20%	"	60%
1440-50		"	10%	"	90%
1450-60	70%	wh ind ch - vuggy	20%	gr micro hard ls vuggy	
1460-70	50%	"	30%	"	and ch. limestone - trace

1000-10	100%	wh and ls			
850-10	100%	colitic	3% white gyp	trace	micro-fine ls, csc. dol.
800-10	90%	"	"	"	base
750-10	70%	"	"	"	"
700-10	70%	"	"	"	10% tan fine cry ls
650-10	80%	wh ch	10% 10%	"	10%
600-10	70%	"	5% wh. gyp	tr	15% gr. micro-fine ls ✓
550-10	65%	"	10%	"	25% micro-fine cry
500-10	100%	tan cry	5% wh gyp	tr	ch ls for wh gyp tr. anti
450-10	85%	"	15%	tan csc cry, dolo	wh anti, wh ^{clear} gyp - trace
400-10	100%	tan csc cry, dolo	trace	anti	
350-10	85%	"	tr	"	15% gr. micro-fine cry, vag. ls
					dolo ls.

1400' -

1390 - tan dolo. 50%

after 1420-30 - med. gy baggy ls.

- 1770-80 Top of Cret. Mod esely cryst wh, porous dol. Dol is somewhat gypsif & contains some frags of Rudistid-like structure.
- 1780-90 Like the preceding.
- 1790-1820 No change.
- 1820-30 More finely cryst highly por, gypsif dol. Some impressions of fos molds. One frag of mold, of large foram?
- 1830-40 Gypsif dol like the preceding, lt brn in color.
- 1840-1920 No change.
- 1920-30 Top of L. Lawson Very finely cryst lt brn, chalky dol w/some sections of Lepidorbitoides. (See #13 on slide).
- ~~1930-40~~ Chalk & some chalky dol as above, many specimens of Vaughanina, some of Sulcoperculina cosdeni, a few of Lepidorbitoides sp. (See 1-6 & 13-18 on slide).
- 1940-50 Like the preceding.
- 1950-60 Crm colored chalky ls like the preceding. Fauna same but less abdt. Some frags of Bryozoan char, of L. Lawson present.
- 1960-70 Like the preceding.
- 1970-1990 No change.
- 1990-2000 Mat as above, specimens of Lepidorbitoides more common in fauna. (See #19 on slide).
- 2000-10 Mat & fauna as above, some frags of a finely cryst lt brn, somewhat por dol.
- 2010-20 Sple of finely cryst, por, gypsif lt brn dol.
- 2020-30 Chalk, specimens of Lepidorbitoides & some of Sulcoperculina. Some cavings.
- 2030-40 Not a clean sple, mixed according to label.
- 2040-50 Def. L. Lawson. Chalky, very finely cryst dol & some chalk, many specimens of Lepidorbitoides & Sulcoperculina, some of the small Brachiopod common to L. Lawson.
- 2050-60 Chalk as above, abdt specimens of Lepidorbitoides & Sulcoperculina cosdeni, some Bryozoan frags & frags of and Ostrea-like fsl bivalve, some spec of a large Robulus common to L. Lawson. (See #8 & 9, 20 & 21 on slide).
- 2060-70 Like the preceding.
- 2070-2160 No change.
- 2160-70 Chalk & fauna as above, Brachiopod frags & small specimens very abdt, some specimens of a small disk-shaped Bryozoan common to the L. Lawson & fairly numerous frags of Inoceramus. (See #22 on slide).
- 2170-80 Like the preceding. Stensiolina harperi also fairly common in fauna. Some specimens of Globotruncana cretacea.
- 2180-90 Like the preceding.
- 2190-2200 No change.
- 2200-10 Like the above. A few specimens of Stensiolina americana. (Note: Although this foram is typical of Taylor, a few specimens have been seen in several wells sl₁ above the

~~1930-40~~
 VAUGHANINA
 LEPIDORBIT.
 Sulcoperc.

~~2050-60~~
 L. Lawson
 S. cosdeni
 "Brachi" "B"

~~2160-70~~
 BRACHIOPOD (COSDENI)
 C. HARPERI
 Globotrunc.
 Brachi A, B
 TORRENTIA
 Globotrunc.
 Globotrunc.

2220-30

Like the above, some crystals of anhydrite in the chalk. (This erroneously called barite in earlier reports).

2230-40

Like the preceding.

2240-50

Chalk & fauna as in preceding w/^{abundant} Anomalina harperi common. Some anhydrite crystals in chalk, some frags of Inoc & prisms, a few specimens of Stensioina americana & Bolivina incrassata. (See #23 on slide).

D. BECOMER
5. ANOMALINA
5. BOLIVINA
5. STENSIOINA
5. INOC
5. PRISMS
5. ANHYDRITE
5. PYRITE
5. CHALK
5. MAT
5. WASHING
5. RHOMBUS
5. RHOMBS
5. COLORLESS
5. DOL
5. MOD
5. LARGE
5. FREE
5. SAME
5. SIZE
5. APPARENTLY
5. WASHING
5. FROM
5. A
5. SOFT
5. WHITE
5. CHALK

2250-60

Like the preceding.

2260-70

No change.

2270-80

Top of Taylor. Like the above w/a few frags of lt grnish gy bentonitic sh. Frags of Inoc & some anhy crystals as above. Some specimens of Stensioina americana, some of Anomalina cosdeni, some of Bolivina incrassata. (See #23 on slide).

2280-90

Like the preceding.

2290-2300

As above, Inoc frags common. No change in fauna, some anhy crystals & groups of crystals in chalk. A few frags of the gy bentonitic sh.

2300-10

Like the preceding.

2310-20

No change.

2330-40

Chalk & fauna as above, also some specimens of Anomalina sholtzensis. Inoc frags common. Some anhy crystals. A few specimens of Bolivinoides decorata. (See #23 on slide).

2340-50

Chalk, Inoc frags, some frags of other bivalves, some Taylor forams & many caving from higher depths. Some anhy crystals in chalk.

2350-60

Like the preceding.

2360-70

No change.

2370-80

Chalk, Inoc frags & forams as above. Anhy crystals also common.

2380-90

Like the preceding.

2390-2420

No change.

2420-30

Chalk, abdt Inoc frags & prisms. Many anhy crystals. Anomalina cosdeni common.

2430-40

Like the preceding.

2440-90

No change.

2490-2500

Soft chalk, Inoc frags & prisms abdt, many anhy crystals & some frags of chalk w/mod large colorless dol? rhombs & an abundance of free rhombs of same size apparently washing from a soft white chalk.

2500-10

Like the preceding.

2510-2650

No change. Washed sples generally small.

2650-60

Mat as above, some pyrite nod.

2660-70

Like the preceding.

2670-80

No change.

2680-90

Like the above w/a few frags of lt gy chalk, some pyrite nod.

2690-2700

Like the preceding.

2700-10

No change.

2710-20

Mat similar to above, but chalk harder & more frags of lt gy chalk. Inoc frags & prisms still common, very few

Approx top

abundant

2730-80
2780-90

No change.
Wh & lt gy chalk & a few frags of dk brnsh gy somewhat "lt speck" chalk. Inoc frags common, some pyrite nod, some pyritized Inoc frags. Few forams, no diagnostic species noted.

2790-2800

Similar to preceding, more frags of gy & brnsh gy lt speck marly chalk.

2800-10

Like the preceding.

2810-30

As above, a steady increase in amt of "speck" brnsh gy marly chalk.

2830-40

Gy chalk & many frags of gy & brnsh gy somewhat "speck" chalk, many Inoc frags, some pyrite nod & a few frags of the white chalk, showing an abundance of minute, calcitic globular bodies common to phases of the Ector tongue of the Austin chalk. (See #24 on slide).

2840-50

Like the preceding.

2850-2900

No change.

2900-10

Materials as above, specimens of Globotruncana marginata fairly common, some specimens of Globigerina & Gumbelina. (See #25 on slide).

2910-30

No change.

2930-40

Abdt frags of dk brnsh gy "speck" marly chalk, many Inoc frags, also many frags of a hard wh chalk which contains abdt calcitic frags of finely broken fos mat & Inoc prisms, some small frags of fish scales & a trace of glauc. (See # 26

2940-50

Similar to preceding. More frags of the fragmental chalk & some frags w/nests of anhy crystals.

2950-60

Frag of wh chalk, w/much finely broken calcitic fos mat, & some frags w/about 25% scattered dol crystals, a few frags of the dk brnsh gy "speck" marly chalk.

2960-70

Like the preceding, more frags of the "speck" marl. (See #27 on slide).

2970-80

Like the preceding.

2980-90

As above. Globigerina & Gumbelina more common in the fauna.

2990-3000

Mats as above, also many frags of a wh & gy hd, finely sdy ls & of a gy, fine grnd cal ss. (See #28-30 on slide).

2996-3001

Some small specimens of Plan. eaglefordensis. (See #31 on slide).

3001-07

Core #1, Rec. 2". Top 1': Fine grnd, gy, cal ss.

Bot 1': Gy fine grnd, sl mica, argil ss.

Core #2, Rec. 5'. Top 1': Grnsh gy, argil, sl mica, cal fine grnd ss.

Mid 3': Gy grn, mica & sl carb sh (3") in very fine grnd, argil & sl mica grnsh gy soft ss.

Bot 1': Mod hd, grnsh gy, cal fine grnd ss. A few very small phos nod.

3007-12

Core #3, Rec. 1'. Top: Soft, finely & highly sdy, grnsh gy clay sh.

Bot: Like top, a few frags of fos bivalves.

3012-22

Core #4, Rec. 6'. Top: Poor core. of argil fine grnd soft

OK

Globotruncana
Gumbelina

OK

OK

28-30-
V. USAN
SAND
J.P.E.Y.
u. Atkinson
P. G. ...

- grnd ss.
Mid $\frac{1}{2}$ ': Like the top of core.
Bot 1': No change.
- 3033-43 Core #6, Rec. 1'. Top: Lt gy, argil, sl mica med grnd qtz ss.
Bot: Like the top.
- 3043-53 Core #7, Rec. 4'. Top 1': Like the preceding core.
2nd $3\frac{1}{2}$ ': No change.
3rd $3\frac{1}{2}$ ': No change.
Bot 1': Same as above.
- 3053-63 Core #8, Rec. 6'. Top: Crm colored, argil, med grnd soft ss.
Bot: (poor core).
- 3060-70 Cut of grnish gy, fine grnd calc & sl mica ss, some cavings.
3073-83 Core #10, Rec. 2'. Top: Soft, crm colored, argil, fine grnd ss. (Clear qtz).
Bot: Soft, argil, very fine grnd, clear qtz ss, some fine grnish strks.
- 3083-88 Core #11, Rec. 5'. Top: Soft crm colored, argil fine grnd qtz sd.
Bot: Like top.
- 3088-92 Core #12, Rec. 2'. Top: Crm colored, argil & sl mica fine grnd qtz ss. Some thin vein-like, gy grn shaly strks.
Bot: Like the top.
- 3092-3102 Core #12, Rec. 6'. Top $1\frac{1}{2}$ ': Same as preceding core.
Mid $3\frac{1}{2}$ ': Gy, argil, somewhat mica fine grnd soft ss. Some shreds of carb mat.
Bot $1\frac{1}{2}$ ': Gy, hd, cal & argil fine grnd ss. Some shreds of carb mat, a few phos fish bone frags.
- 3102-12 Core #14, Rec. 2'. Top: Lt tan cal soft & hd strkd, med grnd qtz ss.
Bot: Like the top.
- 3112-22 Core #15, Rec. 1'. Top 5": Hd cal lt gy fine grnd ss.
Mid $1\frac{1}{2}$ ': Same as top.
Bot 1": Gy, argil & cal mod soft, very fine grnd ss (some contamination).
- 3122-27 Core #16, Rec. 3'. Top $1\frac{1}{4}$ ': Gy, argil, fine grnd ss.
Mid $\frac{1}{2}$ ': Gy, hd, cal & argil fine grnd ss.
Bot $1\frac{1}{2}$ ': Gy argil, very fine grnd ss.
- 3127-37 Core #17, Rec. $1\frac{1}{2}$ '. Top: Hd gy, highly argil, cal, sl mica, very fine grnd ss. Some phos mat (fish bone frags); numerous specimens of a Globorotalia? sp, a few fragmentary Ostracods. (See #32 on slide).
Bot: Hd gy cal very fine grnd ss or very highly sdy ls. A little mica & a few frags of phos mat. One frag contains a large piece of carb mat.
- 3137-47 Core #18, Rec. $1\frac{1}{2}$ '. Top: Dk gy, "lt speck" marl, an impression of a frag of Inoc present, some frags of fish bones & scales. Some specimens of Globigerina, Gumbelina & some small specimens of Plan. eaglefordensis (See #32 on slide), some Globorotalia? sp as in preceding core.
Bot: Mat & fauna as in top of core. About 10% fine qtz sd.

A. H. S. J.

S. J. J. J. J. J.

3194-3204

Mid: Like the top.
Bot ½': No change.
Core #26, Rec. 6'. Top 1': Gy sh w/inclusions of cse sd.
2nd 1': Lt gy, soft, med grnd, sl argil ss.
3rd 1': Thinly interbedded gy sh & argil med to fine grnd
glauc & mica & pyritic ss.
4th 1': Gy sh w/irreg inclusions of fine to cse glauc &
pyritic qtz sd & some lenses of mod hd ss of similar char.
5th 1': Gy, med to cse grnd, csely phos & glauc w/some
calcitic fragmental fos molds. (See #42 & 43 on slide).
Bot 1': Lt gy, somewhat glauc & phos med to cse grnd sl
argil ss.

3204-14

Core #27, Rec. 2½'. Top 1': Cal gy, glauc, phos & pyritic
med to cse grnd ss. Contains some shell frags, a thin lense
of gy sh.
2nd 6": Soft gy, argil, glauc & phos, med to cse grnd sd.
Apparently w/some thin gy sh lenses.
3rd 6": Top L. Cret. Shows the contact of the glauc ss w/
the wh bentonitic L. Cret sd.

3214-24

Core #28, Rec. 2'. Top 1½': Wh, argil (bentonitic) soft,
med grnd, etched qtz ss. (See #44 on slide).
Bot ½': Med to cse grnd ss similar to preceding but red
mottled.

3224-34

Core #29, Rec. 3½'. Top 2': Red, wh & yellow mottled ss
similar to preceding in gen char.
2nd 8": Wh ss like the above. Many yellow tinted grns.
Bot 10": Red, white & yellow mottled bentonitic ss. Sd like
the above.

3234-39

Core #30, Rec. 3'. Top 1': Like bot of preceding core.
(See #45 on slide).
2nd 1': No change.
Bot: " "

3239-44

Core #31, Rec. 3'. Top 1': Sulfur-yellow & red, sl wh mottled
argil med grnd ss.
2nd 1': Lt red, white & yel mottled, argil, med grnd qtz sd.
Bot 1': Same as 2nd ft.

3244-54

Core #32, Rec. 1'. Dull red, soft argil ss like preceding
in gen char.

3254-64

Core #33, Rec. 4'. Top: Lt red ss like the preceding.
Mid: Dull red, yel mottled ss like the above in gen char.
Bot: No change.

3264-69

Core #34, Rec. 1'. Wh, red & yel strkd, bentonitic, med
grnd soft ss.

3269-76

Core #35, Rec. 5'. Top: Red & sulfur-yel ss like the pre-
ceding.

3276-86

Mid: Dull red ss like the above. (See 46 & 47 on slide).
Bot: No change.

3286-96

Core #36, Rec. 1'. No change.
Core #37, Rec. 3'. Top 2': Red, white mottled soft argil,
med grnd ss like the above.
Bot 1': Dull red ss like the above.

3316-26

Core #40, Rec. 1'. Mottled fine grnd argil ss like the above.

3326-36

Core #41, Rec. 1'. Brick red, fine, argil soft ss.

3336-39

Core #42, Rec. 2'. Top: Brick red, wh mottled argil soft, fine grnd ss.

Bot: Brick red, argil fine grnd ss.

3339-41

Core #43, Rec. 3". Large red & amber colored quartzite pebbles. (For frags of these from cut see 48 to 51 on slide).

3340-50

Cut cavings & abdt frags of red, yel & brn, fine grnd qtzite (from pebble horizon).

3342-43

Core #45, Rec. 3". Qtzite pebble.

3342-47

Cut. Cavings & abdt frags of red & amber colored, fine & med grnd qtzite.

3352-57

Core #46, Rec. 2'. 1st 1': Weathered Pal. Mod hd red & yel argil & mica ss & some highly mica red & yel sh. (See #51-53 on slide).

2nd 1': Mustard yel, white & red mottled med grnd mica ss & lenses of similarly colored, highly mica sh.

3357-61

Core #47, Rec. 3'. Top 1': Hd red ss like the above & lenses of red highly mica sh. *worm tubes*

3361-66

Core #48, Rec. 3'. Top 1': Mottled red & mustard colored mica sh.

2nd 1': Hd red, qtzitic ss, some thin lenses of red, highly mica sh.

Bot 1': Sh & some ss as in 2nd 1'. *worm tubes*

bed to "

E. R. Applin

April 18, 1950

Sun Oil Company's samples.

*Palisade
Q-1276 on 48-51*

*Worm
Palisade
C. Mica
SS*