FLA-AL-OT-2
#1 Cato
Core Description

1203-08	Dolo, lt-tan M-F xtall, with streaks and blebs of dk-brn C-xtall dolo.
3032-42	Middle- SS, M-grn, SA-SR, Highly glauc. (in bands). 25% white chalk matrix. Atkinson Bottom - Sand, F-M-Grn, SR-R, Loose, Friable. Tr lt-gry calc clay ~~xxx~~ cement.
3042-52	Sand, M-grn, WS, Tr. Glauc.
3052-54	SS, F-grn, SA-SR, WS, well indurated. 20% white chalk matrix.
3054-62	Top - SS Do but M-grn, with chalk m-gry. Bottom - Sand, off-white, F-M-grn, SA-SR, loose. Just enough V-lt-gry calc. clay to bind.
3062-72	Top - Sand Do. Bottom - Sand do.
3072-82	Sand do with interbeds of VF-grn SA-SR ~~xxx~~ sand in 25% white clay matrix.
3082-92	Do with darker clay mottling.
3092-3102	Sand, white, loose. White calc clay matrix prom.
3102-3112	Do.
3112-21	Top - Sand, F-grn, WS, loose, friable, white calc. Clay coating. Tr musc. Middle - Do but just enough m-gry clay to bind Bottom - SS, m-gry, VF-grn, WS, well-indurated. 35% m-gry F-xtall LS matrix.
3121-30	Top - 70% F-grn A-SA WS sand in 30% m-gry calc clay matrix. Semi-indurated.
3121-30	Bottom - Do with inc in LS to 55%, coresp dec. in sand. Show as LS.

3130-40	Top - LS, Dk-gry: Composed of shell frags and coarse calcite xtals in 45% med-xtall dk-gry argillaceous sandy LS matrix. Tr. phos. Middle - Quartzite, f-grn, competent (Si cement), pyritic, with pockets of black micaceous ashy v. tight shale. Paleozoic. Bottom - Do. Shale and quartzite mixture represent post-depositional reworking.
3140-50	Do.

FLA-AL-01-2

10-40 | wh, M qnn, rd qtz sd

40-50 | wh, micro, soft, chy sdy ls Sd. is f, wh, ang qtz

51 | -do-

57 | -do-

57-58 | -do- tr. blushgry, v ang cht chips

58-59 | -do- w/ abundant wh-blushgry-brn v ang cht chips

59-60 | wh-ltgry, foss, micro, ind ls w/ abundant wh, v ang cht chips

60-65 | -do-

65-70 | Ltgry, micro, ind ls w/ blk specks w/ abundant wh, v ang cht chips

70-75 | -do-

75-1560 | N.S.

1560-70 | Ltgry, micro, hard, porous ls w/ blk specks

1570-80 | N.S.

1580-90 | dk brn, micro, tight dol w/ a few scattered vugs

1590-10 | N.S. Fmid

1610-20 | ltgry-buff, micro, hard, porous gypsiferous ls some pieces w/ v small vugs

1620-30 | -do- some relict foss + ool

1630-40 | dk brn, micro-f xtln, somewhat vuggy, tight dol

1640-50 | gypsf ls as above w/ abundant ool

1650-60 | -do-

1660-70 | -do-

1690-00 | -do-

1690-00 | -do-

1700-1800 | N.S.

1800-10 | SAME (1690-00)

1810-20 | -do-

1820-30 | -do-

1830-40 | -do-

1840-50 | lt tan-ltgy-buff, uf xtaln, vuggy, porous, gypsf dol

1850-60 | -do-

1860-70 | -do-

1870-80 | buff-tan, uf-m xtaln, porous, vuggy, gypsf dol

1880-90 | -do- tr. platy selenite

1890-00 | -do- but c-f xtaln

1900-10 | -do-

1910-20 | Crmy, micro, frag-pelletal, hard, porous, gypsf ls, vuggy

1920-30 | N.S.

1930-40 | -do-

1940-50 | -do-

1950-60 | -do-

1960-70 | -do- w/ platy selenite

1970-80 | Crmy, micro, vuggy, porous, gypsf dol w/ platy & tabular aggregates of selenite

1980-90 | -do-

2020-30 | -do-

2030-40 | Crmy, qypsf, hard, porous, dol | s

2040-50 | Crmy, vlt tan f xtaln, qypsf, tight dol

2050-60 | -do-

2060-70 | -do-

2070-80 | -do-

2080-90 | -do-

2090-00 | -do-

2100-10 | -do- but porous, vuggy

2110-20 | -do- but m-f xtaln & tight

2120-30 | -do- but porous

2130-40 | -do-

2140-50 | -do- but tight

2150-60 | ltbrn-tan, m-f xtaln, tight, vuggy, qypsf dol

2160-70 | -do-

2170-80 | -do- but SACC w/ scattered vugs

2180-90 | -do-

2190-00 | -do-

2200 | buff, m xtaln, SACC, qypsf, tight dol w/ scattered vugs & tabular aggregates of selenite

2200-10 | -do-

2210-20 | -do-

2220-30 | -do- w/ platy selenite

2260-70 | -do-

2270-80 | -do-

2280-90 | -do-

2290-00 | -do-

2300-10 | -do- but tan-brnngry

2310-20 | N.S.

2320-30 | wh, ind, foss ch w/ abundant Inoceramus prisms

2370-80 | -do-

2380-90 | -do-

2390-00 | -do-

2400-10 | vlt tan, m xtaln, porous gypsf, sacc dol Taylor

2410-20 | wh, ind ch w/ euh dol rhombs replacing it

2420-30 | -do-

2430-40 | -do- w/ abundant microfauna

2440-50 | -do-

2450-60 | vlt tan, vc xtaln, sacc, porous, vuggy, chy dol xtals are euh

2460-70 | -do-

2470-80 | -do-

2480-90 | -do-

2490-00 | -do-

2500-10 | -do-

2510-20 | -do-

2550-60 | -do-

2560-70 | -do- but tight & xtals subhedral

2570-80 | -do- but porous & xtals euh.

2580-90 | -do- but tight & xtals subhedral

2590-00 | -do. but porous & xtals euh

2600-10 | -do-

2610-20 | -do-

2620-30 | -do-

2630-40 | wh, ind ch w/ euh, lt tan c xtals dol xtals replacing it Tr. pyr. (anhedral)

2640-50 | -do- w/ abundant Inoceramus prisms

2650-60 | -do-

2660-70 | -do-

2670-80 | -do-

2680-90 | -do- but no pyr.

2690-00 | -do- w/ Tr. pyr.

2700-10 | -do-

2710-20 | -do-

2720-30 | -do-

2730-40 | -do-

2740-50 | -do-

2750-60 | -do- but wh-ultgry & dol not as evident as above

2760-70 | -do-

2940-70 | -do-

2945 | -do-

2970-80 | -do- but no Inoceramus

2980-90 | -do-

2990-00 | -do- but wh-ultgry

2982 | -do-

2982 | -do-

3000-10 | brngry, ind, micro porous, chy ls, arg Tr Anh Pyr.

3002 | -do-

3010-20 | -do-

3012 | -do-

3020-30 | -do-

3022 | -do-

3030-40 | wh, M, nd qtz sd in ultgry blocky soft calc cly matrix Tr glauc (qtz)

3032 | Is as above

3032-42 | Same (3030-40)

3040-50 | Gry, fgrn, chy, well consol, calc qtz SS, glauc

3042-52 | -do-

3050-60 | -do-

3052-54 | -do-

3054-62 | -do-

3062-72 | -do-

3102-12 | Sd as above in ultgry-crmy, blocky, soft calc cly matrix

3112-21 | Sd as above but no cly

3121-30 | -do-

3130-40 | Gry, fgrn, well consol, calc ss

3140-50 | -do-

LOCATION : Sec. 25, T9S, R18E

COUNTY : Alachua
ELEVATION : 112 D.F. 103 grd.
DEPTH : 3146'
COMPLETED : 2/13/47

REMARKS : Samples Incomplete, Electric Log available, Taylor Peak at 2304'

CHEN 1963

0	56	MIOCENE
56	220	OCALA GROUP
220	530	AVONPARK LIMESTONE
530	1045	LAKE CITY LIMESTONE
1045	1510	Oldsman Limestone
1510	1900	CEDAR KEYS LIMESTONE
1900	2304	UPPER CRETACEOUS (LAWSON LIMESTONE)
2304		UPPER CRETACEOUS (TAYLOR)

0	10	No samples
10	56	Miocene
56	90	Chert (or Silified fossiliferous Limestone)
90	206	LIMESTONE, highly fossiliferous
206	220	DOLOMITE, very fine crystalline
220	340	DOLOMITE, very fine crystalline
340	360	Calcitic(10%) DOLOMITE, very fine crystalline

530	560	Fossiliferous Limestone, peat fragments(?)
560	585	DOLOMITE, (10%) fossiliferous Limestone
585	595	Fossiliferous Limestone
595	615	DOLOMITE(10%) fossiliferous Limestone
615	670	DOLOMITE, very fine crystalline
670	695	DOLOMITE (10%) fossiliferous Limestone
695	705	DOLOMITE, fine crystalline
705	725	Fossiliferous Limestone
725	785	DOLOMITE, fine crystalline
785	790	Black Peat
790	860	DOLOMITE, fine crystalline
860	890	Calcitic (10%) DOLOMTE
890	1045	DOLOMITE, very fine crystalline
1045	1075	Fossiliferous (?) Limestone
1075	1130	DOLOMITE, fine crystalline
1130	1510	DOLOMITE, fine to medium crystalline
1510	1550	Gypsiferous (10%) DOLOMITE, microcrystalline
1550	1570	DOLOMITE (30%) ANHYDRITE
1570	1595	Gypsiferous (10%) DOLOMITE
1595	1605	Gypsiferous (40%) DOLOMITE, microcrystalline
1605	1610	Light brown to light gray-brown, slightly porous to rather dense and fragmental, gypsiferous (10%) fossiliferous and microcrystalline DOLOMITE with forams as Borelis, etc., the DOLOMITE is slightly calcitic

1645	1675	Gypsiferous (10%) DOLOMITE, light brown, rather dense and fossiliferous but fragmental, microcrystalline, forams as Borelis
1675	1695	Gypsiferous (30%) DOLOMITE, as above
1695	1790	Gypsiferous (10%) DOLOMITE, as above
1790	1800	Gypsiferous (30%) DOLOMITE, as above
1800	1825	Gypsiferous (10%) DOLOMITE, as above
1825	1835	Gypsiferous (30%) DOLOMITE, as above
1835	1885	Gypsiferous (10%) DOLOMITE, as above
1885	1895	Gypsiferous (30%) DOLOMITE, light gray-brown, rather proous and fragmental, microcrystalline, Spheral pure spaces rather common which may originally be occupied by forams and not being partly filled by gypsum
1895	1900	Gypsiferous (10%) DOLOMITE, microcrystalline, light gray-brown
1900	1910	DOLOMITE, light brown, rather dense, pure and clean, very fine crystalline, very slightly gypsiferous
1910	1925	DOLOMITE, as above
1925	1935	Gypsiferous (10%) DOLOMITE, very light brown, slightly porous, pure and clean, fragmental, very fine crystalline DOLOMITE The Dolomite may originally be a chalky climestone
1935	1970	DOLOMITE, slightly gypsiferous, as above
1970	2010	Gypsiferous (20%) DOLOMITE, as above
2010	2030	Gypsiferous (10%) DOLOMITE, light brown to light gray brown, dense, rather pure and clean, very fine crystalline
2030	2050	Gypsiferous (10%) DOLOMITE, light brown, pseudo-oolite to oolite, pure and clean, dense, very fine crystalline
2060	2075	DOLOMITE, light brown to brown, rather dense, pure and clean, very fine crystalline, slightly gypsiferous
2075	2090	Gypsiferous (10%) DOLOMITE, as above

2120	2150	DOLOMITE, slightly gypsiferous, as above
2150	2190	Gypsiferous (10%) DOLOMITE, brown to gray-brown, dense, pure and clean, very fine crystalline and better grade of crystallinity
2190	2220	DOLOMITE, brown to gray-brown, dense, fine crystalline, slightly gypsiferous
2220	2230	Gypsiferous(10%) DOLOMITE, brown, dense, pure, fine crystalline
2230	2255	DOLOMITE, light brown, dense, pure, very fine crystalline, slightly gypsiferous
2255	2280	Gypsiferous (10%) DOLOMITE, as above
2280	2290	DOLOMITE, brown, dense and pure, fine crystalline
2290	2304	DOLOMITE, as above, slightly gypsiferous
2304	2315	DOLOMITIC (20%) LIMESTONE, light brown, rather dense, Inoceramus prisms rather common
2315	2445	LIMESTONE, chalky, Inoceramus prisms rather common

LOCATION	:	Sec. 23, T8S, R18E, 1 mi. S. of Alachua
COUNTY	:	Alachua C/SE$\frac{1}{4}$ SW$\frac{1}{4}$
ELEVATION	:	102' Grnd. 112' D.F.
STARTED	:	January 16, 1947
COMPLETED	:	February 14, 1947
CASING	:	16" at 59' w/355 sx; 10-3/4" at 1560' w/400 sx
DEPTH	:	3150'
DRILLER	:	Penrod Drilling Co.
USE	:	Test for Oil
REMARKS	:	207 samples, from 10-3150', received from Mr. Kirby, Tide Water Association March 4, 1947. Schlumberger.

0- 56	Surface sand
56- 59	Very hard chert
59- 247	Lost returns
247-1043	Lime
1043-1080	Lime, hard, probably dolomite
1080-1186	Lime with soft streaks
1186-1203	Lime, hard
1203-1239	Lime and dolomite
1237-1247	Lime and dolomite, hard
1247-1257	Lime and dolomite
1257-1266	Dolomite, hard
1266-1361	Hard lime and dolomite
1361-1375	Dolomite, hard
1375-1406	Hard dolomite and lime
1406-1452	Hard lime
1452-1546	Chalk and anhydrite
1546-1568	Anhydrite
1568-1819	Anhydrite and chalk
1819-2028	Chalk
2028-2260	Anhydrite and lime
2260-2328	Lime
2328-2448	Lime and chalk
2448-2631	Chalk and dolomite
2631-2999	Dolomite and lime
2999-3030	Chalk and dolomite
3030-3032	Sandy dolomite
3032-3042	Sandy dolomite and sand (cored)
3042-3082	Sand, no show (cored)
3082-3112	Sand, soft, no show (cored)
3112-3121	Sand, soft, w/silt (cored)
3121-3130	Sandy shale and silt (cored)
3130-3140	Hard silt and shale (cored)
3140-3150	Hard shale and quartzitic sand (cored)

COUNTY:	Alachua
ELEVATION:	112' DF; 102 Grd.
STARTED:	January 16, 1947
COMPLETED:	February 14, 1947
CASING:	16" @ 59' w/355 sx; 10-3/4" @ 1560' w/400 sx
DEPTH:	3146' Schl; 3150' Drlr.
DRILLER:	Penrod Drilling Company
USE:	Test for oil.
REMARKS:	207 samples, from 10 to 3150', received from Mr. Kirby, Tide Water Assoc. Oil Co., March 4, 1947.

(1)	1203-1/4-1208'	Rec. 2'8"
	0'2"	Brown, finely crystalline (rhombic) hard dolomitic limestone w/ molds of orbitoid foraminifera (? Pseudophragmina) and a few vugs. Tight.
	1'0"	Cream-brown, microcrystalline to dense limestone. Hard, tight. Few grains of glauconite.
	1'4"	Brownish-black, microcrystalline, hard, tight, dolomite w/numerous vugs which contain abundant secondary dolomite rhombs.
(2)	3032-3042'	Rec. 6'0"
	0'1"	Light gray sandy chalky limestone. Sand grains f. g. subrounded quartz and (few) rounded m. g. to c. g. dark green glauconite. Hard Tight. Abundant rhombic dolomite crystals.
	5'5"	Green gray very glauconitic chalky quartz dolomitic sand with few streaks of glauconitic dolomite. Hard. Tight. Impermeable. Quartz is f. g. and subrounded. Glauconite is m. g. to c. g. and dark green in color. Sand becomes very pyritic toward base.
	0'6"	White (when wet, becoming gray upon drying) very fine grained subrounded quartz sand. Considerable fine shaly material (which washes out easily leaving a pure mass of quartz grains). Quartz grains colorless to slightly frosted. Porous. Permeable. Very poorly consolidated, being almost loose.
(3)	3042-3052'	Rec. 0'6"
	0'6"	Lithology as the last lithologic unit above described.
(4)	3052-3054'	Rec. 0'6"
	0'6"	Lithology as above, but is gray-green shaly sand.
(5)	3054-3062'	Rec. 5'0"
	4'3"	Dark gray, very fine grained to fine grained (some m. g.) subrounded shaly quartz sand having very few grains of pyrite. Quartz grains are colorless to frosted. Porous. Permeable. Moderately cemented.
	0'9"	Gray, f. g. subrounded quartz sand. Very poorly consolidated, being almost loose. Quartz grains slightly frosted. Porous. Permeable. Very few fine grains of rounded black translucent pyroxene.
(6)	3062-3072'	Rec. 4'0"

Very poorly consolidated, being almost loose. Quartz grains slightly frost-ed. Porous. Permeable. Very few fine grains of glauconite. Few grains of rounded black translucent pyroxene.

(8) 3082-3092'
2'4" Rec. 2'4"
Light gray (when wet, becoming green-gray upon drying) very fine grained subrounded quartz sand. Very poorly consolidated, being almost loose. Porous. Permeable.

(9) 3092-3102'
4'1" Rec. 4'1"
Light gray (when wet, becoming green-gray upon drying) fine grained, subrounded quartz sand. Poorly cemented. Porous. Permeable.

(10) 3102-3112'
2'3" Rec. 2'3"
Lithology as above.

(11) 3112-3121'
2'0" Rec. 4'2"
Lithology as above plus very few grains of glauconite.
0'9" Light gray f. g. (some m. g.) soft slightly shaly quartz sand with more cement (calcitic) than any of the overlying sands and containing numerous thin hard tight streaks due to calcitic cementation. Numerous lignitic stained quartz grains. Quartz grains are subrounded to subangular and slightly frosted. Few fragments of calcareous material which appear to be fine nodular limestone. All sand except hard streaks are porous and permeable. Few grains of black pyroxene.
0'9" Dark gray soft very fine grained slightly shaly sand. Porous. Permable.
0'8" Black gray hard fine grained subangular quartz sand. Tightly cemented with calcite. Non-permeable. Considerable black grains of pyroxene and hornblende.

(12) 3121-3130'
3'11" Rec. 4'4"
Black gray shaly calcareous siltstone with few fragments of lignite. Tight. Moderately soft. Non-permeable.
0'5" Dark gray hard quartz-plagioclase fine grained sand. Grains subangu-lar. Considerable saussurite (mainly green chlorite and calcite). Tight. Few fragments of lignite.

(13) 3130-3140'
7'10" Rec. 10'0"
Green gray f. g. to m. g. calcareous quartz plagioclase sand. Tight. Hard. Abundant saussurite (principally bright green chlorite). Quartz grains rounded to subrounded. Plagioclase subangular. Considerable mus covite. Abundant pyrite. Abundant fragments and poorly preserved molds of what appears to be BRACHIPOD shells.
1'2" Black gray muscovitic pyritic shale (often sandy). Hard. Tight.
1'0" Black, gray hard muscovitic-pyritic shale with spots and thin streaks of gray hard quartzitic sandstone. Quartzitic sandstone consists of sub-angular quartz and flaky muscovite. Tight.

(14) 3140-3150'
10'0" Rec. 10'0"
Black gray hard muscovitic pyritic carbonaceous shale with spots and thin streaks of gray hard quartzitic sandstone. Tight. Quartzitic sand-stone consists of subangular quartz and flaky muscovite.

REMARKS:

S. L. M. 3146 All drilling depths from approximately 3000' to the total depth are 4' too deep.

Completed: 2-14-47 Dry and Abandoned.

Copied from Schlumberger, February 6, 1952
by Mary Blount.