

FLA-CL-OT-1

PM10

- 0-20 | bnqny, micro, hard sdy ls. Scl is VC-M, wh, Ang-nd
- 20-40 | VC nd - M Ang, clear-milky, sd (qtz)
- 40-60 | f, Ang, clear, qtz sd in dkbnely matrix
- 60-80 | -do-
- 80-100 | -do-
- 100-200 | buff, micro, ind ls
- 120-40 | -do-
- 140-60 | -do-
- 160-80 | c-f, clean, Ang, qtz sd w/ abundant VC-M, nd phos
- 180-200 | -do- in matrix of bnqny, soft calc cly
- 200-20 | -do- plus sdy phos pebbles
- 220-40 | -do-
- 240-60 | -do-
- 260-80 | -do-
- 280-300 | Gngny, sdy, blacky, calc cly Scl is vf w/ abundant phos pebbles - M size
- 300-20 | -do-
- 320-40 | wh, micro, ind, sdy, phosphatic ls Scl is f, Ang qtz, phos is f-m
- 340-60 | -do-
- 360-80 | Gngny, micro, hard ls w/ abundant VC, nd qtz sd & phos
- 380-400 | -do-
- 400-20 | -do-
- 420-40 | VC, wh, nd qtz sd w/ abundant c-vc phos
- 440-60 | Crmy, vf & taly, porous, sdy dol Scl is M, nd
- 460-80 | SAME (460-500)

hdx

490-500 | wh, micro, hard, porous foss ls w/ abundant large forams

500-70 | -do-

520-40 | -do-

540-60 | wh, frag-pellital, porous ls w/ abundant large forams

560-80 | -do-

580-600 | -do-

600-70 | -do-

620-40 | -do-

640-60 | -do-

F Avon Pls,

660-80 | lt brn, crstal, porous, vuggy dol

680-700 | -do- but lt brn - tan

700-70 | -do-

720-2800 | N.S. 727' - 5842' - Core

2800-70 | wh-tan, micro, porous ls

2820-40 | wh, chy, micro, foss ls

2840-2920 | N.S.

F Taylor

2920-40 | lt brn-tan, v. crstal, porous, slightly vuggy dol

2940-60 | -do- w/ abundant wh, chy, micro foss ls

2960-3020 | N.S.

3020-40 | Crmy, M crstal, sacc, porous dol, chy

3040-60 | -do-

3060-80 | -do-

3080-80 | -do-

3100-20 | wh, chy, pellital-frag-foss, lyd ls w/ abundant replaced by lt tan, crstal dol

3120-40 | lt tan, crstal, sacc, porous dol

- 3140-60 | -do-
- 3160-80 | -do-
- 3180-00 | -do-
- 3200-20 | wh-ultbrngy, c raly, sacc, porous dol.
- 3220-40 | -do-
- 3240-60 | -do-
- 3260-80 | -do- but slightly finer grained than above
- 3280-00 | -do-
- 3300-20 | M.S.
- 3320-40 | -do- w/ some wh, soft, micro gyp
- 3320-40 | -do-
- 3340-60 | wh-ulttan f raly, tight dol
- 3360-80 | -do-
- 3380-00 | dk-mbn - tan, c raly, somewhat sacc, tight dol
- 3400-20 | -do-
- 3420-40 | -do-
- 3440-60 | vit tan, c raly, sacc, porous dol w/ scattered ugs some pieces gypsiferous
- 3460-80 | -do-
- 3480-00 | -do-
- 3500-20 | tan-bnn, c-m raly, sacc, tight dol w/ some gypsi. pieces
- 3520-40 | -do- but tan-brngy
- 3540-60 | brngy, c raly, sacc, tight, anhyd. dol
- 3540-80 | -do-
- 3580-00 | Same (3400-20)
- 3600-20 | brngy, M, tight, dolc ss

3420-40 | -do-

3440-60 | -do-

3460-80 | -do-

3480-00 | -do- w/ abundant Anh, greenish pyr

3700-20 | wh, M, delic qtz ss w/ abundant VC wh rd qtz sd abundant pyr as above

3720-40 | -do-

PSO

W-1590

USGS. E. R. Applin
June-July 1963
Tallahassee, Fla.

g. p. a.

TGS
PLA

OWNER : Humble Oil & Refining Company,
1405 Canal Bldg., New Orleans, La.

LOCATION : 1980' N of S line and 1980' E. of W line
or NE $\frac{1}{4}$ of SW $\frac{1}{4}$ of Sec. 4, T5S, R25E
7 miles W of Green Cove Springs

FARM NAME : Foremost Properties Corp. No. 1
Permit No. 50

COUNTY : Clay

ELEVATION : 105.1 grd., 115.1' DF

STARTED : March 15, 1947

COMPLETED : August 12, 1947

CASING : 100' of 20; w/150 sks.; 517' of 13 3/
w/350 sks.; 2921' of 9 5/8" w/

DEPTH : 5862'

CONTRACTOR: Hewgley Drilling Company

USE : Test for oil

REMARKS : Schlumberger from 103' to 5861'
378 samples from 40 to 5862' (cuttings
and cores), received by express pre-
paid from Humble Oil & Refining Co.
shipped by J. B. Waid from Penny
Farms, Clay County, Sept. 28, 1947.

PLIOCENE-PLEISTOCENE ?

40-60 Sand, fine, angular, even, clear with particles some black mineral, trace shell fragments.

60-80 Same

80-100 Sand and trace brown sandy clay.

MIOCENE

100-120 Brown argillaceous chalk, vaguely defined fine molds fossil material. Some shell fragments.

120-140 Same

140-160 Tan chalky clay. A few phosph^aoritic nodules.

160-180 Chalky clay, medium gran^{ied}ular sand. Many phosph^aoritic nodules. Some fragments green-gray soft shale.

180-200 Poorly sorted sand and phosph^aoritic nodules, clay matrix.

200-220 Sand, phosph^aoritic nodules and chalky clay.

220-240 Same

240-260 Olive gray sand, soft shale, phosph^aoritic nodules and some phosph^aorite fragments of shell.

^{Rec.}
Core # 1 727-732' [^] 21' Dolomite, dense, hard, a few scattered gray areas, irregular in shape, ^{figural?} ^{pyritic?}

TOP OF LAKE CITY MIDDLE EOCENE

Core # 2 830-835' ^{Rec.} [^] 2 1/2' Hard, dolomite filled with a mass of ¹⁴⁰⁰⁻⁸¹⁰ small miliolids and some specimens of Fabularia vaughani and Dictyoconus americanus, trace of glauconite in dolomite.

^{Rec.}
Core # 3 930-955' [^] 2' Dolomite, hard, light brown, full of minute chalky particles (fossil debris?) and with a few specimens of large miliolids.

^{Rec.}
Core # 4 1033-1038' [^] 2 1/2' Dolomitic limestone, tan, hard, dense, with abundant chalky miliolids, and some dolomite molds of Dictyoconus americanus.

Core # 5
*Acme (P)
Geraschewsky
Ross Arc (3)
J.D.*
1135-1140' Chalk, coquinoïdal, light cream abundant molds of micro-fossils Lepidocyclina sp. darkeyensis, Fabiana cubensis, Amphistegina lopeztrigoi, Gyroïdina nassauensis and others. Many Bryozoan fragments (A good Sample)

Core # 6 1235-1240' Dolomite, hard, dark brown crystalline some slit-like moldic spots.

Core # 7 1335-1340' Dolomite, and some druzide areas.

APPROXIMATE TOP OF OLDSMAR - LOWER EOCENE

Core # 8 ¹⁴³⁰⁻⁴⁰ (could be a little higher) 1435-1440' Dolomite, dense, brown a few chalky moldic spots and chalky remnants of Pseudophragmina cedarkeyensis.

Core # 9 1535-1540' Chalk, hard, white angular fracture.

Core # 10 1635-1640' Limestone, hard, tan, coquinoïdal, ^{molds} dolomite with abundant chalky and sections of miliolids and a few Miscellanea sp. ^{miliolids}

Core # 11 1735-1740' Limestone, very hard, gray-brown with some darker spots. The D. H. zone.

TOP OF BORELIS PALEOCENE

Core # 12 1835-1840' Olive gray very hard dolomite with darker and lighter areas. Irregular light colored, softer area with abundant poor calcitic molds of Borelis.

- Core # 13 (6") 1935-1940' ^{BC} Dolomite, hard, tan, and anhydrite.
- Core # 14 2035-2040' Nodular, gray and white coquinoïdal limestone, compound of rounded molds, fossil debris fossils not determinable but material typed of Cedar Keys.
- Core # 15 2135-2140' Gray chalk, no evidence of fossils.
- Core # 16 2235-2240' Limestone, tan, chalky textured, has large blebs of anhydrite (sample not washed)
- Core # 17 2335-2340' Limestone, medium tan, occasional trace of chalky fossil material (unwashed)
- Core # 18 2390-2395' Limestone, tan, a mass of fine and uniform in size fragments of chalky fossil debris in dolomite and anhydrite ~~light~~ matrix.
Approx. top of U. Lawsoni U. Cretaceous.
- Core # 19 2440-2445' Similar to preceding. Fossil material less chalky and harder.
- Core # 20 2490-2495' Dolomite, dark tan, obscurely granular in texture. Some large blebs of anhydrite. Trace of Borelis?
- Core # 21 2535-2540' Limestone, hard, dense, tan, dolomitic.
- Core # 22 2635-2640' Limestone, chalky, hard and anhydritic. Composed largely of finely fragmental fossil debris. Trace of Borelis?
- Core # 23 2640-2645' Limestone, hard, dolomitic granular textured and anhydritic. Contains abundantly fine particles of fossil debris.
- Core # 24 2670-2675' Dolomite, hard, light brown and anhydrite and Chalk, white highly dolomitic. Full of silt sized evenly distributed dolomite crystals.
- Core # 25 2710-2715' Dolomite^{ic} chalk, as in preceding sample. Some streaks of more concentrated ^{dolomite} crystals.

~~APPROXIMATE TOP UPPER CRETACEOUS - UPPER LAWSON~~

- Core # 26 2765-2775' Soft white chalk (unwashed) has some shell fragments and Echinoid spires. This is about on or close to Cretaceous contact. Cut 2798-2800 Chalk, some dolomite and some fossil material. Sample not washed.

note - Cedar Keys. U. Cret. contact, evidently a transitional break, reworking at surface & some core from Cedar Keys into Cret. below.

- 3460-80 Light tan, mod coarsely gran dol & gypsiferous sd. Material apparently irreg distributed in rock mass.
- 3480-3500 Like the preceding.
- 3500-20 Lt tan sdy dolomite & some grayish tan sl dol. A little gypsiferous sd.
- 3510-16 Rec. 5'. Anhydrite & grayish tan colored dense s dol.
- 3520-40 Cut of several types of dol including many frags of gyish tan sdy dol noted above.
- 3540-60 Cut. Grayish tan highly sdy dol & some frags of anhydrite.
- 560-80 Grayish tan highly sdy & gypsiferous dol.
- 3580-3600 Like the above, with some porosity of a type suggesting that it may have carried some gas.
- 3600-20 Brnsh gy highly sdy dol with gyp areas.
- 3610-20 L. Cret. Core. Rec. 10'. Bluish grn, highly & mod coarsely sdy sh & poorly sorted gypsiferous sd grns fine to mod coarse, rounded to sub-angular. Some carb frags in ss.
- 3620-40 Cut mainly gy & wh ss. Sd poorly sorted. Little cement. Sd grns etched.
- 3640-60 Like preceding. Wh ss partly gypsiferous.
- 3660-80 As above. Gray ss contains some frags of carb mat.
- 3680-3703 Cut fine to coarse sd. Clear qtz etched, many sdy pyrite nods present.
- 3680-90 Core. Rec. 3'. Fine, ang etch, brnsh gy ss with some hardened dol areas.
- 3690-95 Core. Rec. 1½'. Wh, soft, argil fine to mod coarse sd. Grns milky or etched.
- 3695-3700 Rec. 2'. White, argil ss. Sd as in preceding.
- 3700-20 Like the preceding.
- 3705-10 Rec. 3". Hd, wh ss similar to preceding in char.
- 3710-15 Rec. 1'. Similar to preceding, but sd averaging slightly finer grnd. Slightly gypsiferous.
- 3715-20 Rec. 2'. Fine to coarse grnd, soft, white argil ss, many sdy pyrite nods
- 3720-40 Cut of stonestones noted in preceding core samples.
- 3720-25 Rec. 1". Tan somewhat s dolomite.
- 3725-30 Rec. 5'. Paleozoic. Hd, dense wh ss, sd grns fine to mod coarse. Mat resembles a quartzite. (Early Ordovician)
- 3730-32 Rec. 2'. Very hard ss like preceding.
- 3732-32½ Rec. 5". No change.
- 3733-34 Rec. 1'. " "
- 3734-34½ Rec. ½'. Like the above, but slightly micaceous.
- 3734½-36 Rec. 1'. Quartzite as above. No mica noted.
- 3736-39 Rec. 1'. Wh quartzite, some colorless mica.
- 3739-41 Rec. 7". Wh quartzite, some pyrite inclusions.
- 3741-42 Rec. 7½". Wh quartzite with pyritic areas.
- 3742-43 Rec. 1½'. Wh quartzite, a few carb & pyritic areas.
- 3744-45 Rec. 8'. Wh quartzite.
- 3745-46 Rec. 5". " "
- 3746-47 Rec. 1'. " "
- 3747-49 Rec. 1¼'. Wh quartzite, some pyritic areas.
- 3749-52 Rec. 2½'. Quartzite as above with some vein like, blk dentritic (ferruginous?) areas.