P100

Coastal Petroleum Company
#1 Ronald Sapp (Upper part)
Lafayette County, Florida
18-6S-14E
Elevation: 45' D.F.
Report By: E. R. Applin
Date: 1952

Report on Coastal Petroleum Company's #1 Ronald Sapp in Lafayette County, Florida.

1620 - 30' Top of Upper Lawson	Cream colored, irregularly dense, crypto-crystalline to finely porous, occasionally (granular-chalky) gypsiferous dolomite and some free gypsum. Material shows traces of fossils (see note below). no faunal evidence - see note below. E.R.A.
1630 - 40'	Like preceding, but rarely porous, more gypsiferous, about 25% free gypsum.
1640 - 60'	No change.
1660 - 70'	Similar to preceding in general character and color, but frequently finely porous.
1670 - 80'	Cream, gypsiferous, finely porous, granular textured, chalky to very finely crystalline dolomitic limestone.
1680 - 1710'	Like the preceding.
1710 - 20'	Dull, cream, finely granular, finely and highly porous, highly gypsiferous limestone. Has a very finely granular texture, similar to Cedar Keys. Some free gypsum.
1720 - 90'	No change.
1790 - 1800'	(No Sample)
1800 - 10'	Finely granular and somewhat porous to dense and crypto-crystalline light brown, somewhat gypsiferous dolomite. A few small chalky areas in dolomite.
1810 - 60'	No change.
1860 - 70' Top of Lower Lawson	Dolomite lighter colored than preceding but more commonly chalky. Some specimens of Lepidorbitoides.

Note. Some change in lithology noted as high as 1600', but material seemd more like an indurated and somewhat altered Cedar Keys limestone, although it could represent the top of Upper Lawson.

PRE-1952

continued

Report on Coastal Petroleum Company's #1 Ronald Sapp in Lafayette County, Florida

1860-70	L. Lawson. Cut of tan very finely gran porous, sl gypsif dol & some very finely dol chalk. Frags of Lepidorbitoides and some of Sulcoperculina present. (See #13 & 14 on slide).
1870-80	Lt tan, very fine grnd chalky dol. Frags of Lepidorbitoides, etc. as above.
1880-90	Like the preceding.
1890-1910	No change.
1910-20	Wh chalk & some finely dolic chalk. No marked change in fauna.
1920-30	Wh chalk as above, Echinoid spines, some frags of fos bivalves & a few specimens of Lepidorbitoides as above.
1930-40	Like the preceding.
1940-70	No change.
1970-80	Chalk and fauna as above, also many frags of tan por finely cryst dol.
1990-2000	Tan, finely cryst irreg somewhat por dol.
2000-20	Dol as in preceding, a little gyp, some specimens of Lepidorbitoides and Sulcoperculina.
2020-40	Dol as above, a little gyp & about 10% chalk. Some forams as above & a few frags of a large Echinoid & spines.
2040-60	Chalk as above & about 20% dol. No change in fauna.
2060-80	Like the preceding. Many specimens of Lepidorbitoides and a few of a small Brachiopod common to the L. Lawson.
2080-2100	Dense tan, finely gran dol.
2100-20	Dol as in preceding & about 10% gyp inclusions in dol.
2120-40	Dol (somewhat gypsiferous) as above & about 25% chalk, some frags of Inoceramus, small specimens of Cibicides harperi fairly common, some Ostracods.
2160-80	Dol & chalk each about 50%. Fauna as in preceding. Dol is somewhat gypsiferous.
2180-2200	Chalk & about 20% dol. Many frags of fos bivalves, many large specimens of Cibicides harperi, some specimens of Globotruncana cretacea, Planulina cf. nacotochensis, some Ostracods & Inoc frags fairly common. Brachiopod, Echinoid frags & Bryazoans also common. (See #15 & 16 on slide).
2200-20	Wh chalk, about 10% dol & fauna as in the preceding sample. A few specimens of Marssonella oxycona.
2220-40	Chalk & about 50% highly dol chalk, some gyp. Fauna as above with the addition of a few specimens of Stensioina americana (on #17 on slide).
2240-60	Top of Taylor. Sample mainly chalk, a few frags of dol chalk. Some frags of fos bivalves including many frags of Inoc. Some barite inclusions in chalk. Some specimens of Ahomalina cosdeni, Bolivina incrassata, (Girvedina) micheliniana, Stensioina americana & other species as above. (See #17 on slide).

LAWSON
LEPIDORBITOIDES
SULCOPERCULINA SP.

Tay
BRACHIOPOD
CIB. HARPERI
ANOMA.
CY. MORGANA SAP.
GLOBOTRUNCANA
TORRGINA
ON 15

Tay
MARSSONELLA OXYCONA
CIB. HARPERI
PLAN. SP.
GLOBOTRUNCANA SAP.
CYPROIDINA
TORRGINA
ON 16

Tay
BOLIVINA INCRASSATA
STENSIONA AMERICANA
B. DECORATUS
CIB HARPERI
Gyroidina
I PRISMUS
ON 17

2880-2900	Like the preceding.
2900-20	No change.
2920-30	Mats as above, Globigerina and Globotruncana marginata fairly common in fauna.
2930-40	Like the preceding.
2940-50	Like the preceding (See #19 on slide for lith & fauna).
2950-60	Abdt frags of lt gy chalk, which contains a large amt of very finely broken calcitic fos mat & an abundance of the "minute globular bodies" characteristic of phases of the Austin. Some Inoc frags & prisms & forams as above. (See #20 on slide for lith). Some frags of the "speck" marly chalk also present.
2960-70	Chalk as above, many frags of gy chalk, some gray "speck" marly chalk. No change in microfauna.
2970-80	White & some lt gy chalk, abdt Inoc prisms & forams as above. A few frags of gy "speck" marly chalk.
2980-90	Very small sple, like preceding in char.
2990-3000	Like the preceding. Globotruncana marginata, strongly dominant in fauna.
3000-20	No change.
3020-30	Mat & fauna similar to preceding. Sple larger, many frags of dk gy to lt brnish gy, somewhat lt "speck" chalky marl. Some frags also of a crm colored, mod coarsely dol chalk in which dol cryst are scattered rather evenly thru the matrix. No change in microfauna. This chalk also contains much finely broken calcitic fos mat.
3030-40	Sple composed mainly of the fragmental & somewhat dol chalk discribed in preceding.
3030 -	SWC. Like the preceding.
3030-43	Core #1, Rec. 18". "Shaly portion". Dk gy, finely wh "strkd & speck" marly chalk. Fauna as above. "Chalky portion". Lt gy, mod hd chalk w/fine "globular bodies" & very finely broken calcitic mat common. "Limy part". Like the preceding but harder.
3043-52	Core #2. Top: "Argil part". Gy, somewhat wh "speck" mod hd chalk. Some fish bone frags & many specimens of small Globigerinas & Gumbelinas present, some Globotruncanas. (See #21 on slide). Mid: Like the preceding. Bot: Similar to the above, but lighter gy, more chalk.
3052-61	Core #3. Lt gy, mod hd chalk, w/about 50% fine calcitic microfos mat & frags. Fauna same as in preceding core.
3061-70	Core #4. Top: Mod, hd, gy, finely lt strkd & speckled marly chalk. Few fos wash out. Fos mat, in main, chalky & crushed beyond recognition. Mid: "Argil part". Darker gy & softer, but otherwise closely similar to preceding. Some frags of Inoc & of fish bones & many small irreg blk (tarry?) inclusions. "Chalky portion". Mod hd wh chalky ls w/abdt fine calcitic mat (fos mold & frags very minute globular bodies) Bot: Gy mod hd chalky ls like the "chalky portion" of core described above except in color. Some fish scales present.
3070-80	Core #5. Top 9': "Argil portion". Dk gy highly & finely wh strkd & speckled marly chalk, some shell frags, a few Inoc frags, abdt calcite molds of Globigerinas & Gumbelinas.

(30) ATH FAUNA: BRN-STAINED GLOBORUNCANA, HOLOBIGERINA, PLAN. EAGLEFORDENSIS, GUMBELINA

3rd 4½': Mod hd dk gy, very highly sdy (fine grnd) marly chalk, w/some irreg non-sdy areas. Mat somewhat "speck" w/fine, chalky crushed microfos mat. Small frags of fish bones & scales & specimens of Globigerina common; some specimens of Plan. eaglefordenis & a few Gumbelinas. (See #30 on slide).
Bot 1': Dk gy, finely lt "speck" marl, irreg finely sdy. Frags of fish scales & bones common. Fauna same as for preceding part of core w/Plan. eaglefordensis much more abdt. A few Ostracods also present.

3110-20 Core #9 Top: "Limy portion". Mod hd, lt gy ls, having an extremely finely gran texture. Small scattered frags of crushed fos mat present.
"Shaly portion". Dk brnish to grnish gy, finely lt "speck" marl. Abdt specimens of Globigerina, some specimens of Plan. eaglefordensis, a few Gumbelinas, frags of fos bivalves, fish bone & scale frags present. A little mica & a few small ss inclusions.
Mid: Sh & fauna like preceding (top) of core. A thin lense of ls. Gumbelina porportionally much more abdt.
Bot: Sh & some ls stringers. Like the above in char & fauna.

3120-30 " Core #10. Top: Dk grnish gy finely "lt speck" marly sh, sl micac. Fish bone, & scale frags; some small frags of fos bivalves, many forams. Gumbelina the dominatn foram present. Globigerina & Plan. eaglefordensis present.
Mid: Grnish gy, highly "lt speck" marly sh like the preceding. Small frags of fish mat, an impression of frag of Inoceramus (labiatus?), a little mica, & foram fauna same as in top of core.
Bot: Marl & fauna as above. (for lith see #31 & 32 on slide). Mat generally more coarsely & more highly "speck". (crushed forams & frags of other fsls).

(31) " FISH-SCALE ASHY SHALE

(32) FAUNA AS 30

3130-40 Core #11. Top: Dk grnish to brnish gy "lt speck" sl mica marl. Small frags of fish bones & scales, many specimens of Globigerina, Gumbelina, Plan. eaglefordensis & Pleurostomella? sp & some frags of fos bivalves. (for microfauna see #32 on slide).
Mid: "Speck" sh like the above, lith & faunally & some lt gy ls stringers.
Bot: Grnish gy, highly "speck" marly sh w/many frags of fish bones and scales & some frags of fos bivalves. No change in microfauna.

3140-50 Core #12. Top: Mat & fauna same as for bottom of preceding core.
Mid: Same as "top". "Speck" marly gy sh as above, w/many frags of fish mat, some very finely sdy lenses & irreg areas.

3150-54 Core #13. Top: Dk gy, "white speck" marl as above. Some small frags of fish bones & scales. Microfauna same as above, but majority of specimens chalky & crushed.
Bot: Same as top.

3154-64 Core #14. Top: Dk gy "speck" marl like the preceding. Some frags of fish scales & a few highly pyritized frags of fos bivalves. Microfauna same as above.

Mid: Like the top.
Bot: No change.

3164-74

Core #15. Top 1': Dk gy, highly speck sh w/abdt frags of fish bones & scales & some irreg finely sdy areas & lenses of the lighter gy, extremely finely gran textured impure ls (characteristic of the E. Ford section inthis well).(See #33 to 35 on slide). marine sh & L. Tusc.
2nd 1': Top of L. and/or Mid. Atkinson: A mod hd, cal brnish gy, glauc & very highly phos ss. Fish bone & scale mat very abdt, glauc in mod large irreg shaped bright grn nods. Sd grains qtz-size medium. (See #36 & 37 on slide).
3rd 6": Shaly portion. Similar to preceding but w/matrix (phos & cal) more important,about 25% of ss bulk. "Limy portion". Lt gy impure ls (See #38 & 39 on slide).
4th 2½': Dk brnish gy, highly "speck" sh w/med sd irreg distributed, some dk grn glauc nods & much phos fish bone mat. Globigerina common, some Gumbelinas also present.
5th 1': Lt tan-gy marly ls w/irreg thickly "speck" strks & areas & irreg highly calcitic & sdy strks & areas. (See #41 & 42 on slide).
Bot 4': Dk gy finely "speck" sh & lenses of highly glauc & phos (fish bone, teeth & scale frags) cal, dk brnish gy argil hd ss. Many small frags of macro-fos also present. Some specimens of Globigerina & of Globorotalia? sp. (See #43 & 44 on slide). Crushed chalky fos mat abdt in ss & sh.

3174-84

Core #16, Top 7½': Dk brnish gy, highly "lt speck" marl. Fragmental fish mat common. Frags.of fos bivalves including a thin shelled species of Inoc, also fairly common. (See #45 on slide).
Bot 2½': Dk gray "speck" sh as above & lighter gy "speck" marly ls. A little dk grn glauc & fauna same as above. A little med sd in sh.

3184-94

Core #17, Top 5': Lighter gy, marly, "lt speck" ls. Some small frags of fish mat & finely broken macrofos. A few Ostracods, specimens of Globigerina (see #46 on slide)
Bot 5': Marly lt & darker gy ls similar to preceding but w/10 to 25% fine to med grnd sd present & rather evenly distributed. Shell & fish frags present. Lt portions more limy; dark more shaly & "lt speck".

3194-3204

Core #18, Top 3': Hd lt gy marl or marly ls. A trace of glauc. Some Globigerinas. Mat somewhat "white speck". (See #47 on slide).
2nd 1': Lt gy, mod hd, chalky, somewhat glauc & phos fine to very fine grnd ss. (See #48 on slide). Glauc is lt grn.
Bot 6': Gy, fissile thinly laminated sh w/irreg parting of gy, glauc & pyritic, somewhat phos & mica argil med grnd ss & some silty sh. (See #49 to 51 on slide). An Ammobac. found in this sple by Sun Paleo.

3204-09

Core #19, Top 1': Like the bot of preceding core - thinly interbedded dk gy sh, silty, pyritic & finely micac sh & med grd glauc, phos & pyritic ss. Some specimens of

	Ammobac. sp., one specimen of Ammobaculoides plummerae. 2nd 2': Thinly flaky, mica dk gy sh. A few small shreds of carb mat. A few partings of very fine grnd glauc ss. A little phos mat, numerous specimens of a small species of Ammobac., some specimens of Trochammina rainwateri, a few of Ammobaculoides plummerae. (See #52 on slide).
3209-14	Bot 1': Poorly consolidated gy sh & argil glauc & phos soft med grnd ss. (See #53 on slide). Core #20, Top 2½': Lt gy, glauc, phos & somewhat mica, med grnd, qtz ss. Scattered small pyrite crystals also common.
	Bot 6": Top of L. Cret. Fine to very fine, argil & ashy? wh bentonitic matrix, rounded etched qtz sd, some pink grns. (See #54 on slide).
3214-24	Core #21. Like the bot of preceding core.
3224-30	Core #22, Top 46": Soft wh, yel & red mottled bentonitic fine to very fine, etch qtz sd (See #55 & 56 on slide). Matrix about 50% of mat. Bot 28": Wh, mica, very fine grnd, bentonitic ss & brnish red & wh & yel mottled mica clay. (See #57 on slide).
3230-40	Cut, mainly sh & ss from Atkinson.
3240-50	Small sple, mainly sh from the L. Atkinson with about 25% L. Cret, sd as above.
3250-60	About 50% cavings & 50% red & yellow mottled sdy sh & wh & pink & yel tinted med grnd ss w/some very cse grns (See #58 on slide).
3260-70	50% sh, cavings & 50% red & yellow mottled sh & sdy sh, med to cse sd & a few frags of ss as in preceding.
3270-80	Like the preceding.
3280-90	Cavings & med grnd sd (majority of grns pink or yel tinted) & frags of red, pink & mustard colored, clay shale. Pink & lt raspberry colored frags common - these usually very finely sandy (See #59 on slide). Sh prob being drld.
3290-3300	Cavings & red, pink & mustard colored clay sh irreg, very finely sdy.
3300-20	33% cavings, 33% sh as above & 33% fine to cse sd (many grns pink or yellow tinted).
3320-30	Mainly sd & red sh (small sple).
3330-40	Red, yellow & wh mottled clay sh. Irreg very finely sdy.
3340-50	Red, yellow & wh mottled irreg finely sdy clay sh & lt raspberry colored, sparcely very finely sdy unctuous sh & cavings.
3350-60	Mainly dk red, wh & mustard spotted & mottled clay sh. Sh is sparcely very finely sdy.
3360-70	Like the preceding.
3370-3410	No change.
3410-20	Mainly dk, brick red clay sh, sl gy & yellow mottled, sparcely finely sdy. (See #60 on slide).
3420-30	Like the preceding.
3430-50	No change.
3450-60	Sh as above, also many frags of a med grnd etched qtz ss. (little cmt). (See just below 59 & 60 on slide).
3460-70	Sd as in previous sple strongly predominate. Some scattered cse qtz grns present.

3470-80	Top of Paleoz. Similar to above, but abdt frags of red sh possibly caving. Many frags of a hd, fine grnd, quartzite-like ss. Mostly lt yel, a few frags red & some white. (See special slide).
3480-90	Like the preceding. The quartzite may have been pebbles but the mat does not indicate this.
3490-3500	Mat like the above, more frags of the quartzitic ss,many of the frags, a bluish grn & some a brnish or grnish tan in color (See special slide). Grn mica in this ss.
3500-06	Cut of blk & brnish blk highly mica sh as thin partings in hd lt gy quartzitic fine to med grnd ss. (See special slide).
3505-06	Core #23, Rec. 4". Blk, somewhat mica sh w/some thin partings of gy, med grnd hd ss.

3470-3506 - PALEOZOIC QUARTZITE (W) OXIDIZED MICA SHALE

E. R. Applin