W-12,378
Permit # 712
Exxon 22-4 Consolidated Tomoka
1550' FEL, 1045' FSL, sec 22, T44S R26E
Lee County, Olga Quad
GL: 23' DF: 38' TD: 11,630'
Spud: 03/24/74 P&A: 02/19/86

Washed & unwashed cutting samples are available at the Florida Geological Survey cuttings library in Tallahassee. Brief lith log of cuttings by R.S. Caughey in August 1999.

Depth in feet below DF	DESCRIPTION
DF-30'	12-20% Phos material as brn, orange brn grs, grns, fos frags; 10% loose Qz sand, vf-f-m, subrnd-subang; ±70% Ls, wh, v fos & moldic, modly to stgly rexal, sltly sdy, porous, mollusks, encrusting bryozoan, gastropods.
30-60	Ls, dirty wh, v sdy, sltly phos, numerous mollusk shell frags, some echinoid spines, gastropods.
60-90	Largely loose Qz sand, vf-f-m-minor coarse, ang-rnd, most is f & subrnd; Ss, dirty wh, calc, minor phos, common rexal mollusk shell frags.
90-120	Dol, calcic, yel gray, v pale orange, a little grayish orange, v stgly rexal(by vf xln, calcic Dol), v fos & v moldic, v porous, no Qz sand, no phos.
120-150	Ls, wh, fg, sltly phos & sdy, fos/moldic, mollusks, bryozoan, gastropods, Sorites present; tr-minor Dol, wh-grayish orange, vf xln, sucrosic, moldic.
150-180	Ls/fos as above, overall more fossils, esp mollusk shell fragments.
180-330	No samples available.
330-360	Ls, wh, fg, phos, sdy, fos, mollusks, common cheilostome bryozoan, some encrusting bryozoan.
360-390	Ls, wh, v lt gray, fg, phos, sdy, fos, mollusks, some encrusting bryozoan.
390-420	Ls as above, abundant encrusting & cheilostome bryozoan, com-numerous mollusks, some fos debris appears to be wkly reworked/weathered(?); a few loose phos grns.
420-450	Ls/fos as above(no reworked/weathered(?) fos debris), now some large echinoid spines.

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Depth in feet below DF	DESCRIPTION
450-480	Ls/fos as above, overall fewer fossils.
480-510	Ls/fos as above, now about 5% Ls is wkly to modly dolomitized by f xln, subhedral/euhedral xls.
510-540	Ls/fos/Dol Ls as above; trace Ls, wh, vfg, moldic, sltly phos & sdy.
540-570	Ls, wh, vfg, some moldic, phos to sltly phos, sltly sdy, fos, numerous mollusks, some echinoid spines & crab claws, Sorites present; tr-minor yel gray, phos dolosilt & pale green, thinly laminated clays(sltly dolomitic); minor Dol as above. Unwashed: As above, with 50% loose calc silt/dust, some loose dolosilt.
570-600	Ls as above, common echinoid spines & parts, common mollusks, some-common cheilostome/encrusting bryozoan, a little Ls is wkly dolomitic; 5% pale green, thinly laminated clays. Unwashed: As above, with 50-60% loose yel gray, calc silt/dust & some to common dolosilt.
600-630	As above, abundant fos debris(as above), sltly more Dol. Unwashed: As above, largely loose yel gray, calc dust/silt, dolosilt & LCM(Lost Circulation Material).
630-660	Ls/fos as above, with 10-15% loose phos grs, grns, fos frags and dolomitic phos crust.
660-690	Ls/fos as above, 5% loose phos material as above; 10% Dol, yel gray, f xln, euhedral, vuggy, fos/moldic. Unwashed: As above, with much loose calc silt/dust/dolosilt & common LCM.
690-720	60-65% Ls/fos as above; 25-30% Ls, wh-v pale orange(vpo), granular/peloidal, forams, red algae frags, no Qz sand, no phos; 10% Dol, yel gray, lt gray, f xln, euhedral/subhedral, sucrosic, some fos molds. Unwashed: As above, now 20-30% Dol as above and 10-20% loose wh, calc dust/silt/dolosilt.

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Depth in feet below DF	DESCRIPTION
720-910	No samples available.
910-940	50% Ls, v pale orange(vpo), microgranular, fos, no Qz sand, no phos; 50% Ls, vpo, granular/peloidal, sltly sdy(f, subang-subrnd), v rarely phos, stgly rexal, forams & small fos debris.
940-970	Ls, v pale orange, granular/peloidal, sltly sdy(f, subang-subrnd), v rarely phos, v fos, forams, small fos debris; minor v sdy, fos Ls.
970-1000	80% Ls/fos as above; 20% Ls, lt gray, sdy, porous, v fos(small fos debris, some with rnd edges) cemented together by vf drusy calcite.

[1000' thru 1660' see following page]

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Depth in feet below DF	DESCRIPTION
1000-1030	Ls, yel gray, lt gray, porous, sdy, stgly to totally rexal by calcite, unit is fos debris(some with rnd edges) cemented together by calcite & vf-f drusy calcite.
1030-1060	As above.
1060-1090	As above, with rare red algae frags, & some v pale orange, granular, v fos Ls.
1090-1120	As above, no red algae, no granular Ls.
1120-1150	As above.
1150-1180	Ls, v pale orange(vpo), stgly rexal, granular & peloidal, v fos, no Qz sand, no phos, gastropods, forams, some bryozoan, much fos debris, some to common Lepidocyclina frags(most appear to be large & thin).
1180-1210	Ls/fos as above, a few red algae frags, some echinoid spines, some to common Lepidocyclina frags; a little vpo, microgranular Ls.
1210-1240	Ls, wh to vpo, microgranular, numerous Operculinoides & Camerina, some to common Lepidocyclina(med size, saddle shape)rare red algae frags.
1240-1270	Ls as above, abundant Lepidocyclina, Operculinoides, Camerina, a few echinoid spines.
1270-1300	Ls/fos as above, most Lepidocyclina are large.
1300-1330	Ls/fos as above.
1330-1360	Ls/fos as above, sample is largely fossils of Camerina, Operculinoides & Lepidocyclina.
1360-1630	No cutting samples available.
1630-1660	Ls, vpo, granular, v fos, stgly rexal, common Dictyoconus cookei, forams, peloids, echinoid parts, about 30% of the Ls is wkly-modly dolomitized by grayish orange, fine-med, euhedral xls replacing the matrix or floating in the matrix; a little Ls is vpo, vfg, silty, with thin carbonaceous laminations.
1660-3600	No cutting samples available.