

**W-9355**  
Humble Oil & Refining Company  
Core Test #1 Paul W. Terry  
NESESW  
Sec.5 T45S R25E  
Fort Myers SE Quad, Lee County  
GL:17' TD:1558'

Brief lithlog of washed/unwashed cuttings. Cuttings available at the Florida Geological Survey cuttings library in Tallahassee. Lithlog by R.S. Caughey, March, 1997.

Remarks: When no unwashed description is given it is the same as the washed description.

<u>Depth</u> <u>(Ft)</u>	<u>Description</u>
0-10	40% Dol, very pale orange (vpo), fg xln, sucrosic, vuggy to moldic, rare phos; 40% Ls, wh, fg, moldic, fos; 10% Ls, micritic; Ls units, especially micritic are FeO <sub>x</sub> stained, oranges, light brns & reds; 10% loose Qz sand, fg-med, subang-subrnd, clear, minor phos grs/fossil fragments Unwashed: as above w/minor silts
10-20	20% Ls, wh, fg, fos, moldic; 25% Ls, fg & micritic, fos, sltly moldic, FeO <sub>x</sub> stain; 55% loose Qz sand as above & a few pieces of wh Ss; minor Dol as above Unwashed: as above, minor silts
20-30	50% wh mollusk fragments; 30% Ls mix of wh, fg, chalky, fos; yellowish gray, v fg, rexal, fos, moldic; pale yel brn, dense, sltly sdy, fos; a little moderate orange pink, fg, moldic, fos & 20% yel gray, fg xln, moldic, vuggy Dol
30-40	Mix of Ls & Dol as above, 10-15% mollusk fragments; about 35% of the Ls has been FeO <sub>x</sub> stained
40-50	Mix of Ls & Dol as above; 10% mollusk shell fragments; 2% phos grns/pebbles; about 20% of Ls is FeO <sub>x</sub> stained
50-60	Ls, fg-med, dense, fos, moldic, moderately FeO <sub>x</sub> stained; some mollusk shell fragments; 2% phos grns/fossil fragments/grs; some Ls, pale yel brn to dusky yel brn, silty, sdy, phos Unwashed: as above with 55% Sltst, pale olive, calc
60-70	20% Ss, v silty, phos, calc; 4% phos grns/fossil fragments; minor yel gray, fg xln, vuggy, moldic Dol; remainder is Ls mix, most fg-micritic, dense, fos FeO <sub>x</sub> stained, some wh, fg, fos, moldic; common mollusk shell fragments Unwashed: as above w/55% Sltst, pale olive, sdy, phos

W-9355, H.O.R.C., CT #1 Paul W. Terry, Fort Myers SE Quad

<u>Depth</u> <u>(Ft)</u>	<u>Description</u>
70-80	40% wh, mollusk shell fragments; 4-6% phos grs/grns/fossil fragments; 10% loose Qz grs, v fg-fg, clear, subrnd-ang; 15-20% yellowish gray, sltly phos, sdy-v sdy dol Ls, grades to a sltly phos dol Ss; remainder is mix of Ls, some wh, fg, chalky; some yel brn, dense; some wh, fg, moldic, some part dolomitized; some grayish olive Sltst Unwashed: 85% Sltst, grayish olive, sltly clayey, sltly phos, sdy, fos
80-90	Ss, wh, yel wh, grayish yel, lt gray, calc, sltly phos, fos; 5% Ss, dol, yel gray; common mollusk shell fragments, cheilostome bryozoa present, echinoid spines, some small disk shaped forams ( <i>Amphistegina?</i> ) & rare cones(?) Unwashed: as above with 5-10% pale olive silts
90-100	65% loose Qz sand, v fg-fg, some med, clear, subrnd-subang; 30% Ss, sltly phos, calc, fos, rarely sltly dol; 5% Ls/Dol/mollusk shell mix, some Dol is moderate orange pink, moldic, v fg, a little is v fg xln, sucrosic, yel gray; Ls, wh, fg & dense micritic (may be contamination) Unwashed: Nearly all pale olive Sltst, calc, sdy
100-110	Ss/Ls; grades between v sdy, fos, sltly phos Ls to a calc, sltly phos, fos Ss, wh, v lt gray, lt gray, yel gray; common bryozoa, mollusks, echinoid spines, some barnacles; 1-2% phos grs/grns; 5% Dol, yel gray, moldic, fg xln, sucrosic; 1-2% satin spar calcite Unwashed: as above w/trace-minor silts
110-120	Sltst, sdy-v sdy, pale yel brn, calc, sltly phos; common mollusk shell fragments; common loose Qz sand, fg-v fg, 1-3% phos grs/some grns; some Ls/Ss as above
120-130	40% loose Qz sand, fg-v fg, clear, subang-subrnd; 2-5% phos grs/fossil fragments; remainder is largely Ss, yel gray, calc, silty; some Sltst as above, some Ls, fg, common mollusk shell fragments, some echinoid spines Unwashed: 100% pale olive, calc, sdy, phos, sltly clayey Sltst
130-140	Ss, wh, yellowish gray, calc, fos, sltly phos, a little grades to a v sdy, fos Ls; abundant mollusk shell fragments; 2-3% phos grs/grns/fossil fragments; some satin spar calcite (veinlets in Ss); some Ls, fg, fos; rare shark teeth; cheilostome bryozoa present Unwashed: as above, w/5-10% pale olive, calc Sltst
140-150	Ls/Ss, wh, v lt gray, grades between a v sdy-sdy, sltly phos, fos Ls to a calc, fos, sltly phos Ss; some wh, fg, chalky, silty, sltly phos, fos Ls; some loose Qz sand & minor phos grs $\leq 1.5\%$

W-9355, H.O.R.C., CT #1 Paul W. Terry, Fort Myers SE Quad

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150-160	Ls, wh, sdy, phos, fos, numerous mollusk shell fragments; common Ls/Ss as above; minor pale brn to dusky brn, calc, clayey, fos, phos Sltst Unwashed: as above w/25-35% Sltst as above
160-170	50% loose Qz sand/phos grs/grns/fossil fragments/pebbles & 50% Ls/Ss as above, numerous mollusk shell fragments, common Sltst as above; overall phos is 20-30%, loose Qz sand is largely fg-med, a little crse, rnd, "frosted" grs Unwashed: nearly all pale olive & some brownish gray, calc, sdy, fos, phos Sltst
170-180	40% loose Qz sand, fg-v fg, subang-ang/phos grs, fossil fragments & a few grns/pebbles; 60% Ls, sdy, phos-v phos, wh, yel wh, yel gray, v lt gray, fos, numerous mollusk shell fragments, some bryozoa Unwashed: Ls as above, <5% loose Qz/phos grs; <5% pale olive, sdy, phos, calc Sltst
180-190	50% loose Qz sand & phos grs/fossil fragments; 50% Ls, sdy, phos, fos & some Ss, calc, phos, some silty; overall phos about 30% as small fossil fragments, grs & some grns Unwashed: 85% Sltst, pale olive & gray olive, calc, sdy, phos, fos, some appears to be dolosilt; 15% Ls as above
190-200	Ls, sdy, phos, sltly silty, abundant bryozoa, numerous cheilostome bryozoa, common mollusk shell fragments; rare Dol, euhedral, fg along fracture surfaces; a few pieces of "weathered", FeO <sub>x</sub> stained Ls & a couple of phos crust(?) fragments; overall phos 1-3% Unwashed: as above w/minor silts
200-210	50% Ls/fossils as above; 50% Ls, v fg to micritic, fos, moldic, sltly sdy, no phos & most is weakly to moderately yellowish FeO <sub>x</sub> stained & has weathered appearance; trace Dol, yel gray, fg sucrosic, moldic
210-220	50% Ls, wh & v lt gray, sdy, phos, fos, mollusk, bryozoa; 50% Ls, moldic, fos, yellowish FeO <sub>x</sub> stained, fg, a little micritic, some sltly sdy, commonly drusy calcite in some vugs, possibly minor, v small drusy Qz
220-230	75% Ls, wh, sdy, phos, mollusks, bryozoa, some is sltly silty, rarely some is dolomitized; 25% Ls, micritic, v fg, reddish FeO <sub>x</sub> stained
230-240	100% Ls, wh, sdy, phos, some silty, bryozoa, mollusks, cheilostome bryozoa & <i>Sorites</i> present; trace reddish FeO <sub>x</sub> stained Ls as above

W-9355, H.O.R.C., CT #1 Paul W. Terry, Fort Myers SE Quad

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240-250	85% Ls, wh, v lt gray, sdy, phos, fos; 15% Ls, fg & micritic, moldic, yellowish FeO <sub>x</sub> stained
250-260	50% loose Qz & phos grs, about 60% Qz as fg-v fg, clear, subrnd-ang, & 40% phos small & v small grs, bl, dk gray, brn; 50% Ls, wh to yel gray, sdy, phos, fos, some silty, some med-stgly dolomitized to a yel gray, fg, sucrosic Dol; common <i>Amphistegina</i> (?) Unwashed: As above & 5% wh silts
260-270	Ls, wh, yel gray, sdy, phos, fos, some is silty, some is silty & sltly clayey, some is moldic, some only sltly sdy & phos; overall phos 1-2% Unwashed: as above & 5-15% clayey, silty Ls
270-280	Ls, wh & yel gray, sdy, phos, some silty, fos, cheilostome bryozoa, echinoid spines, mollusks; 10% loose Qz/phos grs; 10% Dol, v fg to cryptocrystalline, pale olive to brownish gray; minor Ls mix w/FeO <sub>x</sub> (contamination?) Unwashed: as above w/50% pale olive, clayey, sdy, phos Sltst
280-290	Ls, wh, phos, sltly sdy, fos & Ls, yel wh, fos, sltly clayey & silty, fg, sltly phos & sdy; rarely yel gray & gray orange, fg, sucrosic Dol; overall phos 2-5% Unwashed: as above w/5-10% wh clays/silts
290-300	Ls as above, overall Ls is sltly rexal & some has fg drusy calcite; minor sucrosic Dol Unwashed: as above w/5-10% wh clays/silts
300-310	Ls, yel wh, fg, fos, sltly phos/sdy, commonly moldic & all is moderately rexal w/common v fg-fg drusy calcite; 10% Ls, lt gray, sdy, phos, fos & 15% Dol, yel gray, fg sucrosic, phos
310-320	Ls, mostly yel wh, fg, moldic, common drusy calcite as above; a little lt gray, phos, sdy, some Dol as above; worm tubes(?), bryozoa
320-330	Ls, yel wh as above; overall less rexal; common echinoid spines, bryozoa, cheilostome bryozoa, <i>Amphistegina</i> ; some drusy calcite, minor Dol as above; overall phos 2-4%
330-340	Ls as above; 15% loose Qz/phos grs; 15% Dol, gray yel, fg, sucrosic, v phos Unwashed: as above w/15-30% clays/silts

W-9355, H.O.R.C., CT #1 Paul W. Terry, Fort Myers SE Quad

<u>Depth</u> (Ft)	<u>Description</u>
340-350	About equal mix of Ls/fossils as above; loose Qz/phos grs & Dol, fg sucrosic, phos-v phos, yel gray, some grayish orange Unwashed: as above w/40-60% yel wh clays & silts
350-360	50% Ls, wh & v lt gray, fos, phos, sltly sdy, bryozoa, mollusks, some sltly dolomitized; 40% Dol, pale yel brn to yel gray, phos, sdy, fg sucrosic; 10% loose Qz/phos grs Unwashed: as above & 5-15% silts
360-370	60% Ls as above; 35% Dol as above; 5% loose Qz/phos grs Unwashed: as above w/35% yel gray to pale olive silts (dolosilts?) & possibly some clays
370-380	60% Ls/35% Dol, about half is yel gray, v fg xln w/little to no sand or phos, remainder as above; 5% loose sand & phos
380-390	Ls, wh, sdy, phos, fos, bryozoa, 10-20% Dol, yel gray, fg sucrosic, phos, sdy; 5-10% loose Qz/phos grs; bryozoa & cheilostome bryozoa
390-400	45% Dol, yel gray, some vpo, fg sucrosic, phos, sdy; 45% Ls, wh, yel wh, fos, sdy, phos, some is clayey, some silty, some has been partially dolomitized; 10% Dol breccia, yel gray, fg sucrosic, surrounds angular fragments of dk gray, microxln Dol; common encrusting bryozoa& cheilostome bryozoa Unwashed: as above w/some silts, minor clays
400-410	Dol, fg, a little med grained sucrosic, yel gray, a little is sltly phos, most does not carry phos or sand, a little is vuggy; minor Dol breccia as described @ 390'-400' Unwashed: as above, 20-30% dolosilt(?), pale olive
410-420	As above, washed & unwashed
420-430	About equal mix of loose Qz/phos grs; Ls, wh, sdy, phos, fos, bryozoa & cheilostome bryozoa; Ls, fg & micritic, sltly moldic, v sltly sdy, little to no phos & moderate yellowish FeO <sub>x</sub> stain; Dol, yel gray, fg sucrosic, sdy, phos, vuggy; minor dk gray, microxln Dol Unwashed: as above w/10-15% yel gray dolosilt(?)
430-440	60% Ls, wh, fg, chalky, fos, sltly sdy & phos; 40% Dol, yel gray, v fg-fg sucrosic, some sdy & phos; minor dk gray, microxln Dol (some may be phos crusts ?) Unwashed: as above, 5-15% yellowish gray silts/clays

W-9355, H.O.R.C., CT #1 Paul W. Terry, Fort Myers SE Quad

<u>Depth</u> <u>(Ft)</u>	<u>Description</u>
440-450	70% Ls, wh, fg, chalky, v fos, little sand or phos, most is weakly dolomitized, cheilostome bryozoa & <i>Sorites</i> present; numerous mollusk shell fragments; 30% Dol, fg-med xln, sucrosic, little sand or phos, yel gray, brownish gray, grayish orange Unwashed: as above w/minor silt
450-460	90% Ls, wh, some v lt gray, chalky, fos, minor sand & phos, bryozoa & mollusk fragments, a little Ls is micritic; 10% Dol, fg-med xln, sucrosic, some w/sand & phos, most without, pale yel brn & some pale yel orange; trace-minor drusy calcite; phos $\leq 1\%$ as grs
460-470	Ls, wh-v lt gray, fg, sdy, phos, fos, bryozoa, mollusk fragments; minor Dol as above, minor drusy calcite; phos 1-2% as grs
470-480	Ls, v lt gray, vpo, some wh, v fg-fg, sdy, phos, fos; trace Dol, minor-trace drusy calcite; phos $\pm 1\%$ as grs; <i>Sorites</i> present
480-490	Ls, wh, vpo, some v lt gray, minor sand & phos, fos, some vpo is stgly & coarsely rexal; minor Dol as above & a little Ls is weakly dolomitized; phos $< 1\%$ as grs
490-500	Ls, v lt gray, sdy, phos, fos, some vpo & wh Ls as above; phos 1-2% as grs; mollusks, gastropods, bryozoa
500-510	Ls, v lt gray, sdy, phos as above; some Ls, wh & vpo as above & 10-20% Dol, fg xln, sucrosic, pale yel brn, pale yel orange, pale brn; some Ls appears to be "weathered" & a few pieces are yellowish/reddish FeO <sub>x</sub> stained
510-520	Ls, vpo, wh, some v lt gray, sltly sdy, phos, fos, mollusks, bryozoa, gastropods, crab claws; phos 1% Unwashed: as above, $\leq 5\%$ silts
520-530	50% Dol, pale yel brn, pale brn, grayish yel, v fg xln, silty & sdy (v fg), minor to much phos as small grs; 50% Ls, wh, vpo, sdy, phos, fossils as above Unwashed: as above, more loose silts & v fg sand
530-540	Ls, vpo, v lt gray, yel gray, sdy, phos, fos, mollusks, phos, 1-2% as grs Unwashed: as above & minor loose silts
540-550	Ls as above, bryozoa, gastropods, crab claws & mollusks

W-9355, H.O.R.C., CT #1 Paul W. Terry, Fort Myers SE Quad

<u>Depth</u> <u>(Ft)</u>	<u>Description</u>
550-560	Mix of Ls/Dol, 5-10% of sample shows yellowish & reddish brn FeO <sub>x</sub> stain, a few show bl stain, some appears "weathered"; 65% Ls as above; 30% Dol, fg-v fg xln, vpo, gray yel, pale yel brn, pale brn, some dusky brn w/much phos, some appears brecciated; 5% pale yel brn, v sdy Sltst (some of this appears to be dolomitized) Unwashed: as above w/some loose silts & clays
560-570	Dol, v fg xln & microxln, generally sdy, sometime sltly phos, gray orange, vpo, pale yel brn, pale brn; 30% Ls, wh, vpo, sdy, phos, some is fg-v fg, sltly sdy & is part dolomitized by above described Dol Unwashed: as above, more Ls, less Dol & minor silts
570-580	Ls as above, a little is weakly red brn FeO <sub>x</sub> stained; some is weakly dolomitized; minor Dol as above; overall phos <1% Unwashed: as above, 5-10% clays & silts
580-590	Ls, vpo, v lt gray, yel gray, sdy-v sdy, phos-sltly phos, fos; some Ls as above, commonly Ls is weakly dolomitized; minor-5% Dol, fg sucrosic, grayish yel, a little pale yel brn; mollusks & gastropods; phos 1-2% as small grs, a few grns Unwashed: as above w/5-15% silts & clays
590-600	Ls, most sdy, phos as above, some vpo, grayish orange, v fg & micritic, sdy, rarely phos, a little vpo Ls seems to be carrying forams, Ls is commonly weakly dol; minor Dol as above Unwashed: as above w/10-30% wh clays
600-610	50% Sltst, pale yel brn, pale brn, dusky brn, some sdy to v sdy, some clayey, some may have carb matter, most is calc, some weakly dol; 50% Ls, wh, vpo, sdy, some v sdy, rarely phos, fos, some fg, some gran, common-numerous crab claws & parts, some gastropods; minor Dol
610-620	Ls, pale yel brn, pale brn, gray brn, some vpo, wh, most is sdy-v sdy, rarely phos, fos, numerous crab claws & parts; some Sltst as above; minor Dol; some Ls grades to a calc Ss
620-630	Ss, calc, rarely phos, some grades to a v sdy Ls, fos, numerous crab claws & parts, most is yel gray to gray yel, but some pale yel brn; some Ls/Sltst as above & minor Dol
630-640	Ss as above & some Ls, sdy-v sdy, fos, yel grays, wh; trace-minor Dol; crab claws & parts common Unwashed: as above, minor silts

W-9355, H.O.R.C., CT #1 Paul W. Terry, Fort Myers SE Quad

<u>Depth</u> <u>(Ft)</u>	<u>Description</u>
640-650	Largely loose Qz sand, fg, ang-subang, clear, rare phos grs, some Ss/Ls as above & minor Dol, fg xln, sucrosic, vpo, yel gray Unwashed: nearly all wh Sltst, calc, clayey & sdy (fg)
650-660	10% loose Qz sand as above; 90% Ls/Ss mix as above, crab claws & parts common, a little wh, sdy, calc Sltst; minor Dol Unwashed: 50-70% Sltst as above, Ls/Ss as above
660-670	35% loose Qz sand, v fg-fg & some med, ang-subang, some subrnd, clear; 4-8% phos grs; 5-15% Dol, fg xln, pale yel brn, yel gray, gray yel & lt to moderate brn, some sdy, some phos; remainder is Ls as above w/echinoid spines, bryozoa, rare disc shaped forams ( <i>Amphistegina?</i> ) Unwashed: as above w/5% silts
670-680	As above, sltly more Dol, sdy, phos, fg xln & Ls, sdy, phos, fos
680-690	Ls, vpo & wh, gran, v microfos, por, some forams, most is sltly sdy, rare to no phos, some sltly chalky, some weakly rexal; minor grayish orange, fg xln Dol; minor calc Ss; some loose Qz sand Unwashed: as above w/5-20% wh clays
690-700	Ls as above, more wh, chalky, v fos, less vpo, microfos; common echinoid spines, forams, some crab claws; minor Dol & Ss as above; some loose Qz sand Unwashed: as above w/10-30% wh clays
700-710	Ls as above, overall more por, sltly more sdy, & common crab claws, some gastropods, mollusks, common forams, a few <i>Operculinoides</i>
710-720	Ls as above but now all is moderate to v stgly rexal, some is sdy, most is dusky brn, grayish brn, pale yel brn, some vpo, gray orange, med gray, yel gray; common crab claws, some gastropods, echinoid spines, forams
720-730	Ls, mix of med lt gray, med gray & vpo/gray yel; gray Ls is fg, silty, fos, v sltly sdy & vpo Ls is silty, fos, sltly sdy, fg to gran
730-740	Ls, moderate-v stgly rexal, por, v fos, some peloidal, common- numerous forams, echinoid spines, crab claws, med gray, grayish brn, yel gray, vpo, gray yel, some is v fg to micritic



W-9355, H.O.R.C., CT #1 Paul W. Terry, Fort Myers SE Quad

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740-750	Ls, vpo & wh & yel wh, moderate-stgly rexal, some fg, some gran, forams common-numerous, common echinoid spines, mollusk shell fragments numerous, some gastropods & crab claws; some Ls is sdy, most sltly sdy, no phos Unwashed: as above w/20-40% wh clays
750-760	Ls, vpo, weak-moderately rexal, some fg, chalky, some gran, v fos, some foram rich; common echinoid spines, mollusks, gastropods, crab claws; 30% Sltst, clayey, sdy, rarely phos, calc; 5% loose Qz sand, fg-v fg, ang- subang, clear Unwashed: as above w/30-50% silts & clays
760-770	Ls, vpo & pale yel orange, moderate-v stgly rexal, most gran, por, peloidal or foraminiferal; common-numerous mollusks, common echinoid spines, gastropods
770-780	Ls as above, but now includes some grayish brn & pale yel brns, & overall is sltly less rexal; fossils as above
780-790	Ls, vpo & pale yel orange, stgly rexal, foram rich, por, v fos; mollusks, gastropods, echinoid spines, some crab claws
790-800	Ls, more vpo, less pale yel orange, overall less rexal than above; fossils as above
800-810	Ls as above, now some yellowish brns, more crab claws & parts
810-820	Ls as above & now some wh, micorgran, fos Ls; overall sltly less rexal than above Unwashed: as above w/minor silts
820-830	As above washed & unwashed
830-840	As above, but now about 25% sltly sdy to v sdy, gran, fos Ls, some appears to have weak FeO <sub>x</sub> stain, some "weathered" cheilostome bryozoa fragments (up-hole contamination?)
840-850	Ls, vpo, gran, microfos, some foraminiferal, most moderately rexal, some stgly rexal, some is sltly sdy; bryozoa, echinoid spines, gastropods, mollusks, crab claws; rare <i>Operculinoides</i>
850-860	Ls, vpo, lt gray, med gray, pale yel brn, por, some is moldic, v sltly sdy, all is part rexal, some foram rich, some peloidal, gastropods, mollusks, echinoid spines, crab claws, bryozoa

W-9355, H.O.R.C., CT #1 Paul W. Terry, Fort Myers SE Quad

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860-870	Ls, vpo to wh, some grays & yel brns, otherwise as above; mollusks more common
870-880	Ls, vpo, gran, fg, some foram rich, fos, some grays & yel brn as above; overall less rexal than above; mollusk shell fragments are common-numerous
880-890	Ls, vpo, fg, gran, chalky, some is foram rich, fos; v little sand, some is micritic; bryozoa, mollusks, echinoid spines
890-900	Ls/fossils as above, yel gray; micritic Ls more common, mollusks common
900-910	Ls/fossils as above, some pale yel brn, fg, silty Ls
910-920	40% Ls/fossils as above & 60% Ls, wh, fg & gran, fos, chalky Unwashed: as above w/5% wh clays/silts
920-930	Ls, most is pale brn & pale yel brn, some dusky brn, all is clayey & silty; dark matter appears to be carb matter, sltly sdy, some lt olive gray, v clayey Ls; minor dusky brn, anhedral Dol; some Ls as above Unwashed: as above w/some loose, dusky brn silts & clays
930-940	Sample appears to be largely up-hole cavings of phos/sdy Ls, 2-3% loose phos grs/grns & rare pebble, 5% loose Qz sand, miscellaneous Ls, silty Ls, minor xln Dol, mollusk shell fragments, a few cheilostome bryozoa fragments; most of sample is vpo, gran, foram rich Ls, which may not be contamination
940-950	Ls, vpo, some lt gray, a little wh, gran-microgran, fos, some is sltly silty & clayey(?), some is sltly sdy, rarely a phos gr, some mollusk shell fragments, some forams
950-960	Ls, wh, sdy, rich in forams, peloidal, no phos, moderate to stgly rexal
960-970	Ls, wh, similar to above, moderately rexal, now with echinoid spines, more common mollusk fragments, some bryozoa & overall carries trace- minor phos as small bl grs; some Ls appears "weathered" & has weak FeO <sub>x</sub> stain(?); also minor Dol, fg xln, lt gray, gray yel, some appears to be breccia, a few phos crusts(?) (this Dol/phos crust may all be contamination?)
970-980	Ls as above, w/10-15% pale yel brn, foram rich Ls; minor Dol as above
980-990	Ls, same as at 950'-960'

W-9335, H.O.R.C., CT #1 Paul W. Terry, Fort Myers SE Quad

<u>Depth</u> <u>(Ft)</u>	<u>Description</u>
990-1000	Ls, wh as above & 5-10% pale yel brn Ls as at 970'-980'
1000-1010	Ls, vpo to wh, commonly foraminiferal, little to no sand, no phos, weakly-moderately rexal, echinoid spines, bryozoa, <i>Heterostegina</i> ?, mollusk shell fragments
1010-1020	Ls/fossils as above
1020-1030	Ls/fossils as above w/5% of Ls pieces are "weathered" & have weak bl MnO <sub>x</sub> (?) stain
1030-1040	Ls/fossils as above, overall less rexal than above, gran, micro-gran, some foram rich, a little is "weathered" & stained as above
1040-1050	Ls/fossils as above, now moderate, some stgly rexal; 10% lt gray, fg, fos, v sltly sdy, clayey(?) Ls; bryozoa, echinoid spines, mollusks
1050-1060	Ls, vpo to wh, v fos, gran, common forams, med-stgly rexal, no sand, no phos, common echinoid spines, bryozoa, some gastropods & mollusks, one equilateral cone, <i>Sorites</i> present; 10% Ls, lt gray, some appears to be "weathered" & w/bl MnO <sub>x</sub> (?) stain
1060-1070	Ls, vpo to pale yel orange, por, peloidal, foram rich, sltly fg sdy, stgly rexal; echinoid spines, bryozoa
1070-1080	Ls as above, v stgly rexal
1080-1090	Ls, vpo to grayish yel, foraminiferal, v stgly rexal, cheilostome bryozoa, 10-20% lt gray, "weathered", dusky yel brn MnO <sub>x</sub> (?) stain, foraminiferal Ls
1090-1100	Ls, vpo, foraminiferal, stgly rexal, cheilostome bryozoa present & other bryozoa; a little pale yel brn, bl stained Ls as above; rare, small, flat <i>Lepidocyclina</i>
1100-1110	Dol, vpo, pale yel brn, fg-v fg, some sucrosic, gray
1110-1120	Dol as above, more pale yel brn, 5% is stained by bl MnO <sub>x</sub> (?) & appears sltly "weathered"
1120-1130	Dol, grayish orange, some dk yel brn, some pale brn, most is med gr xln & sucrosic & v vuggy to moldic; 5% wh & vpo, v fg, chalky Ls

W-9355, H.O.R.C., CT #1 Paul W. Terry, Fort Myers SE Quad

<u>Depth</u> <u>(Ft)</u>	<u>Description</u>
1130-1140	Dol, dk yel orange, dk yel brn, dusky yel brn, moderate yel brn, fg-med xln, sucrosic, vuggy to moldic; some Dol is dk gray & micritic to v fg; 5% Ls, gray orange, v fg, moldic; some wh, v fg, chalky
1140-1150	Dol, gray orange, dk yel orange, fg xln, some is sucrosic, rare vugs, a few pieces with remnant wh Ls
1150-1160	Dol, gray orange, moderate yel brn, dk yel brn, fg xln, most sucrosic, rarely vuggy
1160-1170	Dol as at 1140'-1150'
1170-1180	Dol as above, but now about 30% is sltly vuggy & some is sucrosic
1180-1190	Dol, vpo to pale yel orange, fg-med xln, some sucrosic, commonly vuggy
1190-1200	Dol about 50% as above & 50% dk gray, med gray & dk yel brn, fg-med xln, sucrosic, sltly vuggy
1200-1210	Dol, dk yel brn, some colors as above, common pin point vugs, some small vugs, fg xln, sucrosic
1210-1220	Dol, vpo to pale yel orange, fg xln, some is sucrosic, occasionally some small vugs
1220-1230	Dol as above
1230-1240	Dol, about 50% grayish orange & 50% dusky yel brn, fg xln, most all is sucrosic, small vugs are common
1240-1250	Dol, about 50% is grayish orange, rest are brns & grays, all are fg xln & sucrosic, common pin point vugs, rare small vugs
1250-1260	Dol, vpo, fg xln, most sucrosic, some with pin point vugs
1260-1270	90% Dol as above; 10% Dol, pale yel brn, fg & fg xln
1270-1280	Dol as above, now 25% pale yel brn
1280-1290	Dol, pale yel brn to grayish orange, overall more sucrosic & vuggy than above, otherwise v similar
1290-1300	Dol, vpo, fg xln, sucrosic, some is vuggy (small)

W-9355, H.O.R.C., CT #1 Paul W. Terry, Fort Myers SE Quad

<u>Depth</u> <u>(Ft)</u>	<u>Description</u>
1300-1310	Dol, most as above, 10-15% as pale yel brn & pale brn, fg xln, sucrosic, sltly vuggy
1310-1320	Dol, fg xln, sucrosic, pale brn, pale yel brn, grayish orange, common pin point vugs & small vugs
1320-1330	Dol, fg xln, sucrosic, pale yel orange, 10% pale yel brn
1330-1340	Dol, fg xln, sucrosic, colors as above, now 40-50% pale yel brn & pale brn, some olive bl
1340-1350	60% Dol, fg xln, sucrosic, gray orange, pale yel brn, some vpo; 40% Ls, wh & vpo, most has been weakly to v stgly replaced by above Dol; numerous <i>Heterostegina ocalana</i> & <i>Camerina</i> , a few <i>Lepidocyclina</i>
1350-1360	Dol/Ls as above, abundant <i>Camerina</i> , some <i>Heterostegina ocalana</i> & a few <i>Lepidocyclina</i>
1360-1370	Dol, grayish orange, vpo, some pale yel brn, fg xln, sucrosic, some w/ small vugs, common <i>Camerina</i> in nearly completely dolomitized Ls
1370-1380	Dol, grayish orange, vpo, & some pale yel brn as above, 25% wh, fg, fos Ls, most is weakly-stgly dolomitized, common <i>Camerina</i>
1380-1390	Dol & Ls as above, some <i>Camerina</i> , a few <i>Lepidocyclina</i> fragments
1390-1400	Same as above
1400-1410	Dol, dk grays, bls, pale brn, some gray orange, moderate brn, vpo, most are fg xln, sucrosic, some fg; a little bl, v sltly sdy claystone, some phos crusts(?) a few phos grs (contamination)
1410-1420	Ls, lt gray, fg sdy, poor-fair induration, some dk brn Dol, fg xln, sucrosic; some carb mudstones Unwashed: as above, w/15-30% gray silts & calc dust
1420-1430	As above, more Dol & mudstones Unwashed: as above w/10-15% gray silts & calc dust
1430-1440	Ls, wh to vpo, fg, commonly weak-moderately dolomitized, common- numerous large, mollusk shell fragments; 30% Dol, fg xln, some sucrosic, gray orange, vpo & pale yel brn; minor coarsely xln calcite
1440-1450	As above Ls & Dol, now 20% Dol; commonly coarsely xln calcite, may represent veinlet/vein fillings

W-9355, H.O.R.C., CT #1 Paul W. Terry, Fort Myers SE Quad

<u>Depth</u> <u>(Ft)</u>	<u>Description</u>
1450-1460	Ls, vpo, stgly rexal & dense, sltly dol, fos, forams common, some Ls is only moderately rexal & foraminiferal (this Ls is probably the Avon Park, however no <i>D. cookei</i> were observed); some Dol as above
1460-1470	Ls, vpo, wh, pale yel brn, some fg chalky, some silty & clayey(?), some stgly rexal, common coarsely xln calcite (some replaces Ls); minor Dol
1470-1480.	Ls, vpo, wh, fos, foraminiferal, echinoid spines common, possible <i>Lituonella</i>
1480-1490	Ls as above, a few <i>Dictyoconus</i> (equilateral), common echinoid spines
1490-1500	Ls, wh, v lt gray, v fos, foram rich, common-numerous equilateral cones, at least some are <i>D. cookei</i> ; 5-10% Dol, dk brn, fg xln sucrosic
1500-1510	Ls, wh, vpo, fg, chalky, some w/thin carb laminations, some is weakly to totally dolomitized by fg xln, sucrosic, gray orange Dol; some Ls is gran, foram rich; 10-20% Dol as above
1510-1520	Ls, wh & vpo, peloidal & foram rich, most is stgly rexal, some cones; minor Dol
1520-1530	Dol, gray orange, vpo, moderate brn, pale yel brn, fg & fg xln, sucrosic; some Ls, wh, vpo, stgly rexal, most is weak-stgly dolomitized; a few cones
1530-1540	Ls, wh, lt gray, med gray, some dk gray, gran, some foram rich, commonly dolomitized, rare <i>Spirolina coryensis</i> ; 5-10% Dol, dk grays fg xln, sucrosic
1540-1550	Dol, gray orange, vpo, fg xln, sucrosic; some Ls, wh-vpo, fg & some gran, w/forams, a few cones
1550-1558	As above with more Ls & less Dol
<b>Total depth: 1558'</b>	