

W-9389  
Humble Oil & Refining Company  
Core Test #13 Lee County Land Company  
SESE sec 36, T48S R31E  
Hendry County, Immokalee 1 SW Quad  
GL: ±16' TD: 1500'

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

<u>Depth in feet below GL</u>	<u>DESCRIPTION</u>
GL-10	Ls, wh, vfg-micritic, sdy to v sdy(vf-f, ang-subang), mod to hvy, mod red brn, cherry red FeOx stain, no phos.
10-20	Ls as above, with FeOx stain, minor silt.
20-30	80% Ls as above, with FeOx stain; 20% siltstone, lt olive gray & lt brn gray, calc, clayey with common small, spiral forams(?), minor Qz sand(vf-f) & phos.
30-40	Siltstone as above.
40-50	Ls, lt gray, med gray, yel gray, v porous, v fos, much fos debris cemented together by vf-f drusy calcite, minor Qz sand & phos; 5% siltstone as above.
50-60	Ls as above, no siltstone. Unwashed: This does not appear to be the appropriate sample based on the washed sample. This sample is largely Dol, yel gray to mod brn, f-m xln, euhedral; some Ls as above.
60-70	Ls, wh, lt gray, med gray, moldic, porous, abundant large mollusk shell frags, sdy, v sltly phos; minor wh, v calc Ss units. Unwashed: As above, with 10-20% siltstone, yel gray, poorly consolidated, sdy(vf-f), sltly phos.
70-80	Ls/fos/siltstone as above.
80-90	As above, minor siltstone.
90-100	As above, no siltstone.
100-110	Ls, wh, sdy to v sdy, sltly phos, v fos, moldic, numerous mollusk shell frags, a few bryozoan.
110-120	Ls/fos as above.

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Depth in feet below GL	DESCRIPTION
120-130	65% Ls/fos as above; 35% clay, grayish olive green, some is sltly sdy & phos; trace dolomitic Ls.
130-140	50% Ls, wh, sdy, sltly phos, v fos, some moldic, modly to stgly rexal, mollusks, bryozoan(?), coral(?); 50% siltstone, olive gray, calc, clayey to v clayey, sdy(vf-f, ang-subang), minor phos(as minute bl specks & grs); trace-minor Dol, gray, vf-f xln, subhedral.
140-150	Siltstone, grayish olive, poorly consolidated, calc, sdy-v sdy(vf-f-m, ang-subrnd, about 50% is med/subrnd), minor bl(a few brnish orange) phos grs & fos frags; a few mollusk shell frags.
150-160	Siltstone, mod olive brn-lt olive gray, poorly consolidated, calc, sdy-v sdy(vf-f-m, ang-subrnd, most med/subrnd), minor phos(as minute-small bl grs & fos frags), a few mollusk frags.
160-170	Siltstone as above, now most sand is vf-f, ang-subang, but some coarse, rnd grns & some m-c, phos grs/grns present.
170-180	75-85% Siltstone, yel gray to lt olive gray, sltly clayey to clayey, calc, dolomitic, sdy(vf-f-m-c, ang-rnd, most are m-c, subrnd-rnd), bl phos grs/grns; 15-25% Dol, yel gray to grayish orange, vf xln, euhedral/subhedral, v vuggy, sdy, sltly phos.
180-190	Siltstone/Dol as above, overall sltly more phos & rare rnd Qz & phos pebble.
190-200	Siltstone/Dol as above, Dol now @ 5% or less; overall siltstone is more sdy(grades to a v silty Ss).
200-210	Siltstone to a v silty Ss, lt olive gray-grayish olive, poorly consolidated, calc, sltly dolomitic, minor phos (Qz grs are vf-f-m-c, ang-rnd, most are f-m, subrnd-rnd); 3-6% Dol, as above.
210-220	Siltstone, lt olive gray, poorly consolidated, v dolomitic, v sdy to sdy(vf thru c, most f-m, subrnd-rnd), minor phos grs & fos frags; trace to minor Dol as above.
220-230	Siltstone, lt olive gray, poorly consolidated, v dolomitic, sdy to v sdy, minor phos, common mollusk shell frags(dusted by vf Dol xls); 10-20% Dol, yel gray to grayish orange, vf xln, euhedral/subhedral, v sdy-sdy, sltly phos.
230-240	Siltstone, as above, overall less Qz sand & more silt, sltly fewer mollusk shell frags.

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Depth in feet below GL	DESCRIPTION
240-250	Siltstone, grayish olive, v sltly calc, v sdy(vf-f-m-c, most is vf thru m), minor phos, poorly consolidated, some is sltly clayey.
250-260	60% Siltstone as above; 40% Ls, wh, vfg, 'chalky', sdy, common mollusk shell frags, some encrusting bryozoan.
260-270	Siltstone, lt olive & pale yel brn, v calc, poorly consolidated, sdy(vf-f, ang-subang), minor phos.
270-280	Siltstone as above, now sltly clayey & much less Qz sand (vf-f), sltly more phos as small, rnd bl & grayish bl grs.
280-290	Siltstone, lt olive, some pale yel brn, clayey, v calc, sltly sdy & phos; a few minute spiral forams(?).
290-300	Siltstone as above, phos @ ½% as small bl grs & fos frags.
300-310	Dolosilt, pale olive, sltly sdy & phos, clayey(Qz & phos grs are f-m-c, subrnd-subang).
310-320	Dolosilt, as above, Qz & phos grs are f-m-some c, subang-subrnd).
320-330	Siltstone, grayish olive, dolomitic, v sdy(vf-f-m-some c), phos(bl, brn, brn bl minute grs, small grs, some grns & common fos frags).
330-340	(washed sample only) Largely phos material as grs, grns, fos frags & common Qz grs(f-m-c, subrnd-rnd)[RSC remarks: This sample was most likely a phos, sdy siltstone before being washed]
340-350	Siltstone, grayish olive, dolomitic, v sdy, phos.
350-360	Ls, wh, fg, sdy, phos, moldic, fos, numerous mollusks, a few cheilostome bryozoan.
	Unwashed: As above, with 60-70% siltstone, grayish olive, dolomitic, v sdy, phos.
360-370	Ls, wh, dirty wh, grayish brn, fg, sltly sdy & phos, v fos, numerous-abundant encrusting bryozoan, common cheilostome bryozoan, some mollusks, much of the Ls & fossils appear to be wkly reworked/weathered(?); minor Ls, wh, v lt gray, vfg, sltly sdy & phos

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Depth in feet below GL	DESCRIPTION
370-380	Ls as above, cheilostome bryozoan increase, encrusting bryozoan decrease; now 15% Ls, wh, v lt gray, vfg, sltly sdy & phos, fos, sltly moldic.
380-390	Ls, wh, yel wh, fg, v sdy, phos, v fos, numerous mollusks, common encrusting bryozoan, some cheilostome bryozoan, a few echinoid spines.  Unwashed: As above, with 10-15% siltstone, grayish olive, calc, sdy, phos.
390-400	Ls/fos as above; 5% Dol, grayish orange-yel gray, f xln, euhedral, sdy & phos, some small-minute vugs.  Unwashed: As above, with 5-10% siltstone, grayish olive, grayish red, calc, sdy, phos, sltly dolomitic.
400-410	Ls, wh, fg, sltly sdy to sdy, sltly phos to phos, fos, common mollusks, some to common encrusting & cheilostome bryozoan; 1-3% Dol as above;  Unwashed: As above, with 30-35% siltstone, grayish olive, calc, sdy, phos, sltly dolomitic.
410-420	Ls, wh, yel wh, fg, sdy, phos, v fos, numerous mollusks & encrusting/cheilostome bryozoan; 10% Dol, grayish brn, yel gray, grayish orange, vf-f xln, subhedral/euhedral, sdy, phos.  Unwashed: As above, with minor siltstone.
420-430	Ls, wh, sltly sdy & phos, moldic, porous, fos, mollusks, some bryozoan, some Ls is wkly dolomitic.  Unwashed: As above, with minor siltstone.
430-440	As above, washed & unwashed.
440-450	Ls/fos as above, most is modly rexal, a few echinoid spines, <u>Sorites</u> present, one <u>Operculinoides</u> present.
450-460	Ls/fos as above, one <u>Operculinoides</u> present (within the described Ls).
460-470	As above.
470-480	As above, <u>Sorites</u> present, two <u>Operculinoides</u> present.

Depth in feet below GL	DESCRIPTION
480-490	As above, common to numerous cheilostome bryozoan & echinoid spines & parts, mollusks common, most Ls is modly rexal, some Ls is stgly rexal, some Ls & fossils appear to be wkly reworked/weathered(?), no <u>Sorites</u> or <u>Operculinoides</u> present.
490-500	Ls/fos as above; 5% Dol, lt gray, yel gray, grayish brn, med gray, vf xln, anhedral/subhedral; trace dol phos crust(?).
500-510	As above, rare dol phos bx crust.
510-520	As above, overall less Dol, tr-minor dolosilt.
520-530	70-75% Ls, wh, vfg-fg, phos, sltly sdy, some moldic, fos to v fos, mollusks, cheilostome bryozoan, echinoid spines, gastropods, crab claws, some Ls is wkly to modly dolomitized; 25-30% Dol, pale grayish orange, vf-f xln, euhedral/subhedral, sucrosic, some phos, some moldic.
530-540	Ls/fos as above; minor Dol as above.
540-550	80-85% Ls, wh & grayish brn, fg, phos, sltly sdy to no sand, some is silty, fos, com-numerous cheilostome /encrusting bryozoan, echinoid spines, mollusks, some Ls is wkly dolomitic; 15-20% Dol, yel gray, some grayish brn, vf-f xln, subhedral/euhedral, phos, some moldic. Unwashed: As above, with 25-35% loose yel gray, calc, silt/dust & dolosilt.
550-560	Ls/fos as above, minor Dol; overall more silty, vfg Ls. Unwashed: As above, with 15-20% loose wh, calc silt/dust & possible minor clay.
560-570	70% Ls, wh, vfg-fg, phos, fos, mollusks, bryozoan, echinoid spines, gastropods, some Ls is wkly-modly dolomitic; 10% phos material as bl, brn, brn bl grs, grns, some fos frags; 20% Dol, yel gray, grayish brn, phos to v phos, f xln, euhedral/subhedral, sucrosic. Unwashed: As above, with 60% Ls(marl?), dirty wh, poorly consolidated, phos, v sltly sdy, sltly dolomitic.
570-580	Ls/fos/Dol/phos material as above, overall sltly less Dol and phos material, a little Dol is lt gray, vf xln, anhedral, & not phos. Unwashed: As above, with 30-35% Ls(marl), wh, some pale yel brn, poorly consolidated, phos, sltly dolomitic.

Depth in feet  
below GL

DESCRIPTION

- 580-590 Ls/fos/Dol/phos material as above; phos @ 5-10%, Dol @ 4-8%; possibly minor phos crust.  
Unwashed: As above, with 50-60% Ls(marl), poorly consolidated, phos, dolomitic.
- 590-600 As above, washed & unwashed; overall sltly more phos Dol and a little dolomitic phos crust(?).
- 600-610 As above, washed & unwashed.
- 610-620 75-85% Ls, wh, fg, phos, sdy(vf-f), fos, common encrusting bryozoan, some cheilostome bryozoan, common mollusk shell frags, some echinoid spines; 15-25% Dol, yel gray, grayish brn, f xln, euhedral/subhedral, phos; some Ls is wkly dolomitized by vf-f yellow xls; some loose phos grs, grns, fos fragments.  
Unwashed: As above, with 10-15% loose dirty wh, calc silt/dust/dolosilt.
- 620-630 Ls, wh, v lt gray, dirty wh, micritic, sltly phos/sdy, common mollusk shell frags, some gastropods, echinoid spines, bryozoan.  
Unwashed: As above, with 20-25% loose dirty wh, calc silt/dust.
- 630-640 Ls, wh, v lt gray, micritic & vfg, sltly phos & sdy, fos, mollusks, gastropods, common encrusting bryozoan, some cheilostome bryozoan, echinoid spines, rare Lepidocyclina(?) (small, flat, pimped), v rare Camerina; tr-minor Dol, grayish brn, vf xln, anhedral/subhedral.  
Unwashed: As above, with 20-25% loose dirty wh, calc silt/dust.
- 640-650 Ls/fos as above, cheilostome & encrusting bryozoan are common to numerous, a few Lepidocyclina(as above); minor Dol as above, some with remnant encrusting bryozoan fossils only partially replaced by Dol.
- 650-660 Ls as above, abundant cheilostome bryozoan, common encrusting bryozoan, some Ls is v wkly dolomitized by vf yellow xls; minor Dol, grayish orange, vf-f xln, euhedral.  
Unwashed: As above, with 30-35% loose dirty wh-pale red, calc, silt/dust & minor dolosilt.

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Depth in feet below GL	DESCRIPTION
660-670	Ls, wh, v lt gray, lt gray, yel wh, micritic-fg, sdy, phos, fos, mollusks, cheilostome & encrusting bryozoan, echinoid spines; 3-5% Dol, yel gray, f xln, euhedral; <u>Sorites</u> present. Unwashed: As above, with 10% loose calc silt/dust/dolosilt.
670-680	Ls/fos as above; minor Dol. Unwashed: As above, with 10% loose dirty wh, calc silt/dust/minor dolosilt.
680-690	Ls/fos as above; 5-10% Dol, yel gray, some grayish orange, f xln, euhedral, phos, sdy, sucrosic. Unwashed: As above, with 20-25% loose calc silt/dust/dolosilt.
690-700	Ls/fos as above; 10-15% Dol as above Unwashed: As above, with 5-10% loose calc silt/dust/dolosilt.
700-710	Ls/fos/Dol as above; a little wh, vfg, 'chalky', sltly moldic Ls(no Qz sand, no phos); a little vf xln, subhedral Dol.
710-720	Ls/fos/Dol as above, more(5-10%)Ls, wh, vfg-'chalky', sltly moldic, no sand/no phos.
720-730	As above, less vfg-'chalky' type Ls; minor dolomitic phos crust, trace-minor v sdy(f, subang), fg, dirty wh Ls.
730-740	As above, little to no dol phos crust[much of this sample may be cavings?].
740-750	Ls, wh, lt gray, vfg-micritic, phos, sdy, fos; some grayish orange, fg, granular, sdy, sltly phos, v fos Ls; 5% Dol, grayish brn, yel gray, vf-f xln, subhedral/euhedral, phos; minor Ss, f & m grain, v calc, fos; <u>Sorites</u> present.
750-760	Ls/fos as above; 5% Dol, dk yel orange, f xln, euhedral, sucrosic, phos.
760-770	As above; 5-10% Dol, yel gray, grayish orange, f xln, euhedral, phos.
770-780	As above; <u>Sorites</u> present.
780-790	As above, Dol is lt olive gray-yel gray, phos, sdy, f xln, euhedral, pin point vugs.
790-800	As above, Dol is yel gray, dk yel orange, phos, sdy, f xln, euhedral, pin point vugs.

Depth in feet below GL	DESCRIPTION
800-810	As above.
810-820	As above, with 10-20% Ls, v pale orange, fg, sltly sdy to sdy, rarely phos, wkly to modly rexal, fos.
820-830	Ss, lt gray, vfg-fg(ang-subang), sltly phos, calc; common Ls/fos as above; trace Dol as above. Unwashed: As above, with 15-20% loose calc silt/dust.
830-840	Ls/fos/Dol as @ 810'-820'; trace Ss as above; trace rnd fossil debris & some Qz sand all cemented together by f-m drusy calcite[This sample may all be cavings?]
840-850	Ss, yel wh, yel gray, lt gray, vfg-fg(ang-subang), sltly phos, calc to v calc, mollusk shell impressions; some Ls/fos/Dol as above.
850-860	Ss as above. Unwashed: As above, with 5-10% loose calc silt/dust.
860-870	Ss as above.
870-880	Ss as above.
880-890	10-20% Ss as above; 10% Ls, wh, sdy, sltly phos, fos; minor Dol, grayish brn, sdy, f xln, euhedral, small vugs; 70% Ls, yel wh-yel gray, porous, stgly rexal, sdy(vf-f-some med), rarely phos, made up of rnd fos debris, cemented together by f-m drusy calcite. Unwashed: As above, with 2-3% grayish green siltstone, one shark tooth.
890-900	Mix of Ss as above, & Ls, wh, sdy, phos, vfg-fg, fos and 10-15% 'fos debris' Ls(as above); trace Dol. Unwashed: As above, with 5-10% olive gray, sdy, dolomitic siltstone.
900-910	Ls, wh, vfg-fg, phos, sdy, fos, mollusks, echinoid spines, gastropods, bryozoan; minor Dol, minor Ss, minor fos debris Ls, some misc Ls/Ss/phos material[most minor constituents may be cavings].



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Depth in feet below GL	DESCRIPTION
910-920	About equal mix of 'fos debris' Ls (some now med gray) and wh, sdy, phos, fos Ls and Ss, yel gray, lt gray, vfg-fg, calc.
920-930	50% 'fos debris' Ls (as above); 25% Ss (as above); 25% Ls, wh, sdy, phos, fos (as above).
930-940	Largely wh, sdy, phos, fg, fos Ls (as above), some 'fos debris' Ls; some med gray, sdy, fos, vuggy Ls; minor Dol.
940-950	70-75% yel wh, porous, 'fos debris' Ls cemented by vf-f, drusy calcite, rarely phos; 25-30% Ss, wh, yel wh, calc & v calc, rarely phos, Qz grs are vf-f-m, ang-subrnd; minor Dol, phos, f xln, euhedral.
950-960	70% Ss as above, now sltly phos; 30% 'fos debris' Ls as above.
960-970	No cutting sample available.
970-980	Ss/'fos debris' Ls as above, some echinoid spines, mollusks, barnacles, bryozoan.
980-990	Largely Ss as above, some 'fos debris' Ls as above.
990-1000	As above, some wh, sdy, phos, fos Ls.
1000-1010	As above, more wh, sdy, phos, fos Ls; minor Dol, v rare dolomitic phos crust(?).
1010-1020	As above, less Ls as above.
1020-1030	As above, some Ls as above.
1030-1040	As above, some Ls (as above); minor to some Dol, grayish orange, f xln, euhedral.
1040-1050	As above, less Ls; trace-minor Dol. Unwashed: AA, with 5-10% grayish olive, sdy, calc siltstone.
1050-1060	Ss, pale yel brn, yel wh, calc, vf-f-m, ang-subrnd, sltly phos, v fos, moldic, mollusks common.
1060-1070	25% Ss as above; 75% yel wh, sdy, 'fos debris' Ls cemented by f drusy calcite (most fos debris is rnd-subrnd).  Unwashed: As above, with 10-15% pale yel brn, sdy, calc siltstone.

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Depth in feet below GL	DESCRIPTION
1070-1080	Ss, lt-med gray, calc, vfg-fg, (ang-subang), sltly phos (as minute bl grs & irregular specks), few fos.
1080-1090	Ss, pale yel brn, dolomitic (otherwise the same as above).
1090-1100	[RSC remarks: Sample appears to be cavings] Some Ss as above & much sdy, phos, fos, wh Ls; some v pale orange, granular, stgly rexal, v fos Ls; a little Dol; some loose phos material; common large mollusk shell frags.
1100-1110	Largely Ss, pale yel brn, dolomitic (same as 1080'-1090').
1110-1120	Ss, as above; 5-10% Ls, wh, fg, sltly sdy, phos, large mollusk shell frags.
1120-1130	Ls, wh, v lt gray, vfg, phos (brn, some tan & bl grs), sltly sdy, fos, crab claws, echinoid spines, mollusks, gastropods; trace Dol, pale yel gray, m xln, euhedral; trace v thinly laminated, bl, sdy (vf-f) siltstone (cavings?).
1130-1140	Ls/fos as above, overall more phos (3-6%); 3-5% Dol, mod grayish brn, v phos (brn grs), f xln, anhedral/subhedral, sucrosic.
1140-1150	Ls/fos as above; tr-minor Dol as above.
1150-1160	Ls, v pale orange, granular, stgly rexal, some peloidal, v fos, forams, small mollusks & gastropods, fos debris, a few echinoid spines; some Ls is wkly mottled by grayish brn, grayish orange, m xln, euhedral Dol.
1160-1170	Ls/fos/Dol as above.
1170-1180	As above.
1180-1190	As above.
1190-1200	As above; with 40% Ls, dirty wh & v pale orange, microgranular, modly rexal, fos.
1200-1210	As above, with 10-15% microgranular Ls, common encrusting bryozoan.
1210-1220	50% Ls, v pale orange, granular, v stgly rexal, v fos, peloidal; 50% Ls, yel wh, micritic, totally rexal by calcite with num-abundant large mollusks shell fragments.

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Depth in feet below GL	DESCRIPTION
1220-1230	Ls mix as above, both v stgly to totally rexal by coarse calcite, a few red algae fragments.
1230-1240	Ls, v pale orange(vpo), granular, peloidal, v stgly & stgly rexal, v fos, forams, echinoid spines/parts, small mollusks/gastropods, a few bryozoan.
1240-1250	Ls, vpo, granular, stgly rexal, v fos, echinoid spines, crab claws, <u>Lepidocyclina</u> (small, thin, flat, v few).
1250-1260	Ls, wh, vfg-'chalky' & microgranular, v fos, numerous to abundant red algae frags, common <u>Lepidocyclina</u> (med & large, thin, flat & sltly saddle shape, & a few med size, flat, thick); minor Dol, yel gray, m xln, euhedral.
1260-1270	80% Dol, yel gray, grayish brn, grayish orange, m-c xln, euhedral, some is vuggy; 20% Ls, wh, vfg-'chalky', with red algae frags & <u>Lepidocyclina</u> , some Ls, vpo, microgranular, both Ls types are commonly wkly to modly dolomitized(by Dol described above).
1270-1280	Ls, wh & vpo, vfg & microgranular, v fos, numerous <u>Lepidocyclina</u> (large, thin, flat to sltly saddle shape), common-numerous red algae frags, commonly the Ls is wkly dolomitized by m xln, euhedral xls; minor-3% Dol as above.
1280-1290	Ls/fos/Dol as above.
1290-1300	Ls, vpo, microgranular-granular, v fos, abundant <u>Lepidocyclina</u> (large, thin, saddle shape), com-numerous red algae frags; minor Dol & a little Ls is wkly dolomitized.
1300-1310	Ls/fos as above, modly to stgly rexal, a little wh-vpo, micritic, fos Ls(possibly cavings?); minor Dol & some wkly dolomitized Ls, rarely <u>Lepidocyclina</u> fragments are unreplaced within the Dol matrix.
1310-1320	Ls/fos as above, rare <u>Operculinoides</u> , a few echinoid spines; 2-4% Dol, yel gray, m xln, euhedral & some wkly dolomitized Ls.
1320-1330	Ls, vpo, microgranular, modly rexal, com-numerous <u>Lepidocyclina</u> , a few red algae frags(no <u>Operculinoides</u> ); minor Dol.
1330-1340	Ls as above, abundant <u>Lepidocyclina</u> .
1340-1350	Ls/fos as above, some Ls is sltly silty.
1350-1360	Ls, vpo, silty, common <u>Operculinoides</u> & <u>Camerina</u> , some <u>Lepidocyclina</u> .

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Depth in feet below GL	DESCRIPTION
1360-1370	Ls as above, abundant <u>Operculinoides/Camerina</u> , some <u>Leps</u> .
1370-1380	Ls as above, sltly silty, v abundant <u>Operculinoides</u> , common- numerous <u>Lepidocyclina</u> & <u>Camerina</u> .
1380-1390	Ls, dirty wh & v pale orange(vpo), silty, microgranular, num-abundant <u>Operculinoides</u> & <u>Lepidocyclina</u> , com <u>Camerina</u> .
1390-1400	Ls/fos as above, with some to common echinoid spines & parts.
1400-1410	As above.
1410-1420	As above; tr-minor Dol, pale yel brn, f xln, euhedral and vf xln, anhedral; some Ls is v wkly dolomitized by fine, pale yel brn xls floating in matrix.
1420-1430	Ls as above; numerous <u>Camerina</u> , <u>Operculinoides</u> , <u>Lepidocyclina</u> ; trace Dol as above.
1430-1440	55% Dol, grayish orange, lt brn, f xln, euhedral, porous, common small vugs; 45% Ls/fos as above, a few echinoid spines.
1440-1450	55% Dol, grayish orange, lt brn, mod brn, f xln, euhedral, porous, some small vugs; 45% Ls/fos as above, with some echinoid spines & parts.
1450-1460	Ls, v pale orange(vpo), microgranular, num-abundant <u>Camerina</u> , <u>Operculinoides</u> , num <u>Lepidocyclina</u> .
1460-1470	Ls/fos as above.
1470-1480	Ls/fos as above, most Ls is trace to wkly dolomitized by fine grayish orange, lt brn, yel gray xls in matrix; trace- minor Dol, grayish orange, f xln, euhedral.
1480-1490	Ls/fos as above, much is wkly to modly dolomitized; 5% Dol, grayish orange, f xln, euhedral, a little Ls matrix & fossils remain unreplaced within the Dol matrix.
1490-1500	Ls, vpo, granular, peloidal, foraminiferal, stgly rexal, porous, numerous <u>Dictyoconus cookei</u> , a few gastropods, echinoid spines; trace-minor Dol as above.

Total Depth: 1500'