

W-9322
Humble Oil & Refining Company
Core Test #2 Lee Land Company
NW/4 sec 27, T46S R27E
Lee County, Corkscrew Quad
GL: ±30' TD: 1260'

Cuttings are available from the Florida Geological Survey cuttings library in Tallahassee. Very brief lith log by R.S. Caughey of unwashed cuttings in July 1999.

| <u>Depth in feet below GL</u> | <u>DESCRIPTION</u> |
|-----------------------------------|--|
| GL-10 | Loose Qz sand, vf-f-a little med, the vf-f are ang-subang, the med are subrnd-rnd, a little wk FeOx stain; no phos. |
| 10-20 | As above. |
| 20-30 | 60% loose Qz sand(as above), with common med, subrnd grs; 40% Ls, wh, fg, chalky, abundant mollusk shell frags & bryozoan, a few gastropods. |
| 30-40 | Ls, wh, fg, chalky, sample is almost all fos frags of mollusk shells, bryozoan, echinoid spines, gastropods & many other unrecognizable fragments. |
| 40-50 | Ls, wh, v lt gray, yel gray, fg, micritic, modly-stgly rexal, some carry minor phos & some f-vf Qz sand, all types are fos to v fos, most are porous, mollusks, bryozoan, echinoid spines, coral(?). |
| 50-60 | Ls, v lt gray, yel gray, v fos, porous, modly-stgly rexal, mollusks, gastropods, echinoid spines. |
| 60-70 | Ls/fos as above. |
| 70-80 | Ls/fos as above & some loose calc silt. |
| 80-90 | Ls/fos as above, some vfg, lt gray Ls; a little Dol, yel gray, f xln, anhedral/subhedral. |
| 90-100 | Ls, wh, v sdy(vf-f), sltly phos, fos. |
| 100-110 | As above, some is vuggy/moldic, common mollusks, some gastropods. |
| 110-120 | Ss, wh-dirty wh, vf-f, v poorly consolidated, v calc, few fos. |
| 120-130 | Ls, yel wh, yel gray, dirty wh, v sdy(vf-f,subang-ang), sltly phos, common mollusks. |

| Depth in feet below GL | DESCRIPTION |
|---------------------------|---|
| 130-140 | Siltstone, lt olive gray, v sdy(vf-f), calc, sltly phos. |
| 140-150 | Siltstone, similar to above, now less sdy & sltly clayey. |
| 150-160 | As above. |
| 160-170 | As above. |
| 170-180 | As above, overall more clayey, sltly more phos, and some units are dolomitic(dolosilt). |
| 180-190 | Siltstone, grayish olive, v clayey, calc, sltly phos ($\pm 1\%$ as fos frags & small bl grs), rare diatoms(?)/forams(?). |
| 190-200 | As above. |
| 200-210 | As above, now commonly dolomitic; 5-10% Ls, wh, v sdy(f), v fos/moldic, common mollusk shell frags. |
| 210-220 | Ls, wh, v sdy(f-m), v sltly phos, fos, com-num mollusk shell frags, some-common echinoid spines/body plates. |
| 220-230 | Ls as above, now numerous large mollusk shell frags, rare cheilostome bryozoan frags; some loose Qz grs, m-c, rnd-subrnd, a few bl phos grns; minor Dol, med gray, microxln, vuggy/moldic, rarely brecciated. |
| 230-240 | Marl, pale olive, poorly consolidated, some greenish gray, some wh, clayey, dolomitic, sdy(c-m, rnd-subrnd), rare to minor phos grns/pebbles. |
| 240-250 | Marl as above; 5% Ls, wh, v porous, sdy(med, rnd-subrnd), rnd fos frags(numerous shell frags) all cemented together by vf drusy calcite. |
| 250-260 | Ls, wh, dirty wh, silty, poorly consolidated, fg, sdy(f), sltly phos, a few mollusks & encrusting bryozoan. |
| 260-270 | 50% Ls as above, more clayey; 50% Marly Ls. |
| 270-280 | Marly Ls, pale olive-wh, clayey, silty, poorly consolidated. |
| 280-290 | As above. |
| 290-300 | As above. |
| 300-310 | Siltstone, greenish gray, calc, clayey-v clayey, phos, sltly sdy, a few mollusk shell frags. |
| 310-320 | Siltstone, pale olive-greenish gray, calc, clayey, phos, sltly sdy, a few mollusk shell frags. |
| 320-330 | Ls, wh-yel gray, fg, sdy-v sdy(f), phos-v phos(f bl grs), com-numerous mollusk shell frags, some-common cheilostome bryozoan, some encrusting bryozoan. |

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| Depth in feet below GL | DESCRIPTION |
|---------------------------|--|
| 330-340 | Ls as above, now wkly dolomitic, some pale olive, clayey dolosilt. |
| 340-350 | Ls, wh, fg, sdy, phos, common-numerous mollusks, some encrusting bryozoan. |
| 350-360 | Ls, wh, fg-micritic, sltly sdy & phos, moldic-sltly moldic, modly rexal, mollusks, a few echinoid spines. |
| 360-370 | 70% Ls/fos as above; 30% Ls, wh, yel gray, fg, sdy & phos, mollusks, encrusting bryozoan, most Ls is wkly dolomitic. |
| 370-380 | Ls, wh-yel gray, fg, sdy & phos, mollusks, some encrusting bryozoan. |
| 380-390 | Ls/fos as above, with some to common cheilostome and encrusting bryozoan, a few echinoid spines, com mollusks. |
| 390-400 | Ls/fos as above; some pale olive-yel gray dolosilt; minor Dol, wh, vf xln, sucrosic. |
| 400-410 | Marly Ls, greenish gray, sdy, phos, mollusks, a few bryozoan, some marly Ls is dolomitic. |
| 410-420 | Ls, wh, fg, sltly sdy & phos, modly rexal, mollusks, echinoid spines, gastropods; minor dolosilt & some grayish orange, f xln Dol. |
| 420-430 | Ls/fos as above; 10-20% Dol, yel gray-yel wh, f xln, subhedral. |
| 430-440 | Ls/fos as above, some Ls is moldic; minor Dol as above. |
| 440-450 | 85% Ls/fos as above; 10-15% greenish gray clay; ±5% pale olive dolosilt. |
| 450-460 | As above, now more clay(15-25%) & dolosilt(5-10%). |
| 460-470 | Ls/fos as above; 5-10% wh-pale olive calc clay; some pale olive-yel gray dolosilt & minor wh, f xln, sucrosic Dol. |
| 470-480 | As above. |

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Depth in feet
below GL

DESCRIPTION

| | |
|---------|--|
| 480-490 | Sample is mostly large, rexl mollusk shell fragments, some large echinoid spines; 5-10% greenish gray, clayey, sdy(f-vf) siltstone; $\pm\frac{1}{2}$ % loose phos grns/fos frags. |
| 490-500 | 50% Dol, grayish brn, microxln, dense, some moldic, phos; 40% Dol, grayish brn, f-vf xln, subhedral/anhedral, some phos; 5-10% Ls, wh, fg, sdy, phos & large shell frags as above, common phos crust/dolomitic phos crust. |
| 500-510 | Dol, yel gray, f xln, subhedral, some with cheilostome bryozoan, & some with encrusting bryozoan impressions, some mollusk shell frags, some phos crust. |
| 510-520 | Dol/fos as above. |
| 520-530 | As above. |
| 530-540 | As above, with $\frac{1}{2}$ % phos crust & fos frags; minor dk yel orange dolosilt. |
| 540-550 | 40% Ls, yel gray, fg-granular, rarely phos, no Qz sand, gastropods, forams(?), most is wkly to nearly totally replaced by Dol; 60% Dol, yel gray, f xln, euhedral, commonly vuggy, some fos impressions, some fos not replaced by Dol. |
| 550-560 | As above. |
| 560-570 | 30% Ls, v lt gray, yel gray, vfg-micritic, sltly sdy & phos, fos, forams, crab claws; 70% Dol, lt gray, yel gray, vf-f xln, anhedral/subhedral/some euhedral. |
| 570-580 | Ls, v lt gray, micritic, sltly sdy, phos to v phos(tan grs, some bl grs); minor Dol as above. |
| 580-590 | Ls as above, <u>Sorites</u> present. |
| 590-600 | Ls as above, <u>Sorites</u> present, some coarsely xln calcite. |

W-9322, H.O.R.C. #2 Core Test, Lee Land Company (Corkscrew Quad)
NW Sec. 27, T46S R27E, Lee County
GL ±30' - TD 1260'

Brief Lith Log by R. S. Caughey 11/94

| <u>Depth</u> | <u>Description</u> |
|--------------|---|
| 0-600 | Not logged in 11/94. V brief lith log by RSC in July 1999. |
| 600-610 | Wh, sandy, phos, fos Ls, phos 1-4% . |
| 610-620 | Wh, sandy, phos Ls as above and wh, chalky Ls w/o phos and minor very pale orange(vpo), fg xln Dol. |
| 620-630 | About 50/50 wh, sandy, phos Ls as above and wh and vpo, fg xln Dol, some is sandy. |
| 630-640 | 70% v p o and yellowish gray, f g xln Dol; 30% v p o, chalky, sandy Ls w/tr to no phos. |
| 640-650 | 70% v p o, yel gray and light gray, sandy to v sandy Dol; 30% v p o, chalky, sandy to v sandy, fos Ls; both Ls and Dol w/tr to no phos. |
| 650-660 | Largely v p o and grayish orange, fg xln Dol, no phos; a little sandy Ls as above. |
| 660-670 | Largely wh to v p o, chalky, sandy, fos Ls w/o phos; some Dol as above, a little v lt gray micritic Ls . |
| 670-680 | Mixture of wh, chalky, fos Ls, little to no sand; v p o, sandy, fos Ls; v p o, v f g xln Dol, no phos and overall sand content decreasing in all units. |
| 680-700 | Mixture of wh, chalky, fos Ls, generally w/o sand; and v p o, chalky, fos, sandy Ls; no phos. |
| 700-710 | Ls mixture as above, but much has been rexal and some carries much sand; no phos. |
| 710-720 | (Small sample) Largely v p o, sandy fos Ls, some wh, fos Ls and much loose f g Qz sand . |
| 720-730 | Entirely v p o, sandy, fos Ls, some is partially rexal, some is chalky; no phos . |
| 730-740 | V p o to pale yellowish brn, sandy, chalky, fos Ls, some is partially rexal, minor v f g Dol . |
| 740-780 | Largely v p o, chalky, sandy, partially rexal, fos Ls; some v p o, chalky, fos Ls, minor micritic Ls; no phos . |
| 780-800 | Largely wh to v p o, chalky fos Ls, little to no sand, no phos . |
| 800-810 | V p o, chalky, silty, fos Ls, no sand, no phos . |

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| <u>Depth</u> | <u>Description</u> |
|--------------|--|
| 810- 820 | V p o, chalky, v fos Ls, minor sand occasionally in Ls . |
| 820- 830 | Mixture of v p o, chalky fos Ls, some w/sand; some lt gray, sandy micritic Ls, some v lt gray, micritic Ls, some v p o, stgly rexal, fos Ls; no phos in any units. |
| 830- 840 | Mixture as above w/some v lt gray, v f g xln Dol . |
| 840- 850 | Largely v p o, chalky, silty, v fos Ls, no phos; a little pale yellowish brn, v f g xln Dol. |
| 850- 860 | Ls as above w/a little v p o, rexal fos Ls. |
| 860- 870 | Wh and v p o, chalky to partially rexal, fos Ls, some Ls is sandy to sl sandy; no phos. |
| 870- 890 | Ls as above but most is chalky type, only a little rexal Ls . |
| 890- 920 | Wh to v p o, chalky, sl sandy to sandy, fos Ls; no phos . |
| 920- 930 | Ls as above w/a little micritic Ls and rarely some phos grs in some Ls fragments. |
| 930- 940 | (Small sample) Largely rexal Ls and fos fragments, some wh, chalky Ls as above; minor phos in some Ls . |
| 940- 950 | Mixture of v p o, chalky, sandy, fos Ls; wh, chalky fos, sl sandy Ls and rexal Ls as above; all units have minor phos grs. |
| 950- 980 | Largely v p o, chalky, sandy to v sandy, fos Ls, minor phos grs, some Ls is partially rexal. |
| 980-1000 | Mixture of v p o, rexal, fos Ls and lt gray, rexal, fos Ls; both units have tr to minor phos and little to no sand . |
| 1000-1010 | Largely v lt gray partially rexal, fos Ls, tr to no phos; a little v p o Ls as above. |
| 1010-1020 | Largely v p o, rexal, fos Ls no phos; a little v lt gray Ls as above. |
| 1020-1030 | Largely wh, chalky, fos Ls, tr phos; some v p o, rexal Ls as above. |
| 1030-1060 | Wh, chalky, fos Ls, no phos, rarely a little sand . |
| 1060-1070 | V p o, chalky, fos Ls no phos, no sand . |
| 1070-1090 | Ls as above, some is partially rexal; rare phos grs . |
| 1090-1100 | Pale yellowish brn, v f g xln Dol. |
| 1100-1110 | Yellowish gray to v p o, f g dolomitic Ls; minor v f g xln dolomite and tr chert; no phos. |

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| <u>Depth</u> | <u>Description</u> |
|--------------|---|
| 1110-1120 | Dol Ls as above and 5% dk gray chert; no phos. |
| 1120-1130 | V p o, chalky, granular, fos Ls, no phos. |
| 1130-1140 | Mixture of wh and lt gray, f g Dol; wh, fos, f g Ls, and v p o, granular, fos Ls; no phos. |
| 1140-1180 | Wh and v lt gray, fos, f g Ls, common to numerous <u>Lepidocyclina</u> ; generally the Leps are partially rexal and v lt gray in color. |
| 1180-1260 | V p o, chalky, grainy, fos Ls, common to abundant <u>Camerina</u> and <u>Lepidocyclina</u> . |