

Appendix II

Porosity and Permeability from Core Samples

Appendix II. Porosity and permeability from core samples

[Well locations are shown in figure 2; BFC, upward-shallowing brackish- or freshwater-capped cycle]

| Local well identifier | Depth (feet) ¹ | High-frequency cycle or formation | Core plug | | | Whole core | | | | | Rock-fabric facies | Comments |
|-----------------------|---------------------------|-----------------------------------|--|--------------------|-------------------------------------|---|--|-----------------------------------|--------------------------------------|------|---|---|
| | | | Permeability steady state K_{air} (millidarcies) | Porosity (percent) | Grain density (gram per centimeter) | Permeability | | Helium porosity (percent) | Grain density (grams per centimeter) | | | |
| | | | | | | Maximum horizontal K_{air} (millidarcies) | Horizontal ($90 \times K_{air}$ (millidarcies)) | Vertical K_{air} (millidarcies) | | | | |
| G-3672 | 20.5 | HFC3b | | | | 750.0 | 280 | 0.20 | 13.5 | 2.75 | Pedogenic limestone (root-mold limestone) | BFC: mid-cycle |
| G-3672 | 16 | HFC5 | 0.69 | 27.4 | 2.68 | | | | | | Peloid grainstone and packstone | Subtidal cycle |
| G-3672 | 17 | HFC5 | 96.3 | 33.9 | 2.68 | | | | | | Peloid grainstone and packstone | Subtidal cycle |
| G-3672 | 18.25-18.75 | HFC5 | 175 | 37 | 2.66 | | | | | | Peloid grainstone and packstone | Subtidal cycle |
| G-3672 | 24.0 | HFC3a | 3,098 | 32.1 | 2.71 | | | | | | Laminated peloid grainstone and packstone | BFC cycle: mid-cycle Thin section |
| G-3673 | 17-17.5 | HFC5 | 654 | 37.1 | 2.66 | | | | | | Peloid grainstone and packstone | Subtidal cycle |
| G-3673 | 20-20.75 | HFC3b | 1,699 | 19.1 | 2.7 | | | | | | Skeletal grainstone and packstone | BFC cycle: mid-cycle |
| G-3673 | 23.5-24 | HFC3a | 3,704 | 30.9 | 2.68 | | | | | | Laminated peloid grainstone and packstone | BFC cycle: mid-cycle |
| G-3673 | 24.5-25 | HFC3a | 80.6 | 14.6 | 2.71 | | | | | | Skeletal grainstone and packstone | BFC cycle: mid-cycle |
| G-3673 | 27.25-27.75 | HFC3a | 4,657 | 28.8 | 2.7 | | | | | | Pelecypod floatstone and rudstone | BFC cycle: lower cycle above flooding surface |
| G-3673 | 30.75-31.25 | HFC3a | 9,443 | 20.6 | 2.69 | | | | | | Gastropod floatstone and rudstone | BFC cycle: cycle base below flooding surface |
| G-3673 | 32-32.3 | HFC3a | 10.1 | 19.3 | 2.68 | | | | | | Gastropod floatstone and rudstone | BFC cycle: cycle base below flooding surface |
| G-3673 | 46.5-47.25 | HFC2 | <.01 | 12.8 | 2.69 | | | | | | Gastropod floatstone and rudstone | BFC cycle: cycle base below flooding surface |
| G-3673 | 51-51.5 | HFC1? | 34.3 | 37.3 | 2.68 | | | | | | Gastropod floatstone and rudstone | BFC cycle: cycle top |
| G-3674 | 18.0 | HFC3a | | | | 2,428 | 1,582 | 0.05 | 21.0 | 2.70 | Skeletal grainstone and packstone | BFC cycle: mid-cycle |
| G-3674 | 4.25-5 | HFC5 | 515 | 37.5 | 2.67 | | | | | | Peloid grainstone and packstone | Subtidal cycle |
| G-3674 | 15.5-16 | HFC3b | 5,222 | 27.4 | 2.69 | | | | | | Skeletal grainstone and packstone | BFC cycle: mid-cycle |
| G-3674 | 18.5-19 | HFC3a | .01 | 20.8 | 2.7 | | | | | | Skeletal grainstone and packstone | BFC cycle: mid-cycle |
| G-3674 | 26.5-27 | HFC2 | 5,011 | 19.6 | 2.7 | | | | | | Pelecypod floatstone and rudstone | BFC cycle: lower cycle above flooding surface |

Appendix II. Porosity and permeability from core samples (Continued)

[Well locations are shown in figure 2; BFC, upward-shallowing brackish- or freshwater-capped cycle]

| Local well identifier | Depth (feet) ¹ | High-frequency cycle or formation | Core plug | | | Whole core | | | | | Rock-fabric facies | Comments | | |
|-----------------------|---------------------------|-----------------------------------|--|--------------------|-------------------------------------|---|--|-----------------------------------|---------------------------|--------------------------------------|--|--|--|--|
| | | | Permeability steady state K_{air} (millidarcies) | Porosity (percent) | Grain density (gram per centimeter) | Permeability | | | Helium porosity (percent) | Grain density (grams per centimeter) | | | | |
| | | | | | | Maximum horizontal K_{air} (millidarcies) | Horizontal ($90 \times K_{air}$ (millidarcies)) | Vertical K_{air} (millidarcies) | | | | | | |
| G-3674 | 39.25-40 | HFC1 | 77.6 | 12.3 | 2.7 | | | | | | Pelecypod floatstone and rudstone | BFC cycle: lower cycle above flooding cycle | | |
| G-3674 | 49-49.75 | HFC1 | <.01 | 21.2 | 2.68 | | | | | | Sandy pelecypod floatstone and rudstone | BFC cycle: lower cycle above flooding cycle | | |
| G-3674 | 52.1 | HFC1?/HFC0? | 2.19 | 18.1 | 2.69 | | | | | | Sandy skeletal grainstone and packstone | Subtidal cycle: mid-cycle | | |
| G-3674 | 83.5-84 | Tamiami Formation | 16,584 | 42.6 | 2.68 | | | | | | Touching-vug pelecypod floatstone and rudstone | Undefined cycle | | |
| G-3675 | 6.0 | HFC4 | | | | 9,080 | 2,054 | | 34.7 | 2.70 | Gastropod floatstone and rudstone | Subtidal cycle Too broken for permeability analyses | | |
| G-3675 | 8.0 | HFC3b | | | | 856 | 847 | .52 | 21.3 | 2.70 | Mudstone and wackestone | BFC cycle: cycle top | | |
| G-3675 | 23.5 | HFC2 | | | | .12 | .06 | <.01 | 11.3 | 2.69 | Mudstone and wackestone | BFC cycle: cycle top | | |
| G-3675 | 4.25-4.5 | HFC5 | 98.1 | 22 | 2.69 | | | | | | Peloid grainstone and packstone | Subtidal cycle | | |
| G-3675 | 4.5-5 | HFC5 | 599 | 29.5 | 2.67 | | | | | | Peloid grainstone and packstone | Subtidal cycle | | |
| G-3675 | 9-9.5 | HFC3b | 112 | 21.4 | 2.7 | | | | | | Skeletal grainstone and packstone | BFC cycle: mid-cycle | | |
| G-3675 | 20.4 | HFC2 | <.01 | 6.6 | 2.68 | | | | | | Mudstone and wackestone | BFC cycle: cycle top | | |
| G-3675 | 24.5-25 | HFC2 | 5,027 | 22.9 | 2.68 | | | | | | Sandy touching-vug pelecypod floatstone and rudstone | BFC cycle: lower cycle above flooding surface | | |
| G-3675 | 31.75-32 | HFC2 | <.01 | 12.5 | 2.7 | | | | | | Sandy skeletal grainstone and packstone | BFC cycle: mid-cycle | | |
| G-3675 | 50.75-51 | HFC2 | 1,688 | 27.8 | 2.68 | | | | | | Sandy pelecypod floatstone and rudstone | BFC cycle: lower cycle above flooding surface | | |
| G-3675 | 64.5-65 | HFC1 | <.01 | 17.7 | 2.69 | | | | | | Sandy skeletal grainstone and packstone | BFC cycle: mid-cycle | | |
| G-3678 | 23.3 (23.2-23.5) | HFC3a | | | | 3,758 | 1,754 | 8,662 | 19.7 | 2.71 | Gastropod floatstone and rudstone | BFC cycle: cycle base below flooding surface Thin section | | |
| G-3678 | 33.3 | HFC1 | | | | 2,244 | 997 | 18,223 | 16.1 | 2.71 | Mudstone and wackestone | BFC cycle: cycle top Thin section | | |

Appendix II. Porosity and permeability from core samples (Continued)

[Well locations are shown in figure 2; BFC, upward-shallowing brackish- or freshwater-capped cycle]

| Local well identifier | Depth (feet) ¹ | High-frequency cycle or formation | Core plug | | | Whole core | | | | | Rock-fabric facies | Comments | | |
|-----------------------|---------------------------|-----------------------------------|--|--------------------|-------------------------------------|---|--|---------------------------|--------------------------------------|------|--|---|--|--|
| | | | Permeability steady state K_{air} (millidarcies) | Porosity (percent) | Grain density (gram per centimeter) | Permeability | | Helium porosity (percent) | Grain density (grams per centimeter) | | | | | |
| | | | | | | Maximum horizontal K_{air} (millidarcies) | Horizontal ($90 \times K_{air}$ millidarcies) | | | | | | | |
| G-3679 | 14.6 | HFC3b | 8,818 | 46.6 | 2.71 | | | | | | Pedogenic limestone (root-mold limestone) | BFC cycle: mid-cycle Thin section | | |
| G-3679 | 15.6 (15.4-15.6) | HFC3a | | | | 3,410 | 1,101 | 14,000 | 20.9 | 2.71 | Mudstone and wackestone | BFC cycle: cycle top Thin section | | |
| G-3679 | 28.3 | HFC2 | 0.30 | 25.7 | 2.72 | | | | | | Skeletal grainstone and packstone | BFC cycle: mid-cycle Thin section | | |
| G-3679 | 36.7 | HFC1 | | | | 1,870 | .54 | 13,498 | 20.7 | 2.71 | Mudstone and wackestone | BFC cycle: mid-cycle | | |
| G-3681 | 15.6 (14.7-15.0) | HFC3b | | | | 20.1 | 2.56 | .72 | 12.8 | 2.72 | Mudstone and wackestone | BFC cycle: cycle top Thin section | | |
| G-3681 | 43.3 | HFC2 | | | | .08 | .05 | .02 | 11.6 | 2.72 | Mudstone and wackestone | BFC cycle: cycle top Thin section | | |
| G-3683 | 12.5 (13.0-13.2) | HFC4 | | | | 13.8 | 2.56 | 11.3 | 16.7 | 2.72 | Peloid wackestone and packstone | Subtidal cycle Thin section | | |
| G-3685 | 28.5 | HFC2 | | | | 10.6 | .71 | 1,949 | 13.9 | 2.71 | Mudstone and wackestone | BFC cycle: cycle top Thin section | | |
| G-3688 | 13.3 (12.1-12.3) | HFC3b | | | | 0.15 | 0.07 | <.01 | 6.5 | 2.71 | Mudstone and wackestone | BFC cycle: cycle top Thin section | | |
| G-3689 | 15.3 (14.2-14.4) | HFC4 | | | | 950 | 337 | .03 | 18.6 | 2.72 | Conglomerate | Subtidal cycle Thin section | | |
| G-3689 | 28.5 | HFC3a | | | | 19,323 | 19,323 | 15,112 | 25.8 | 2.72 | Gastropod floatstone and rudstone | BFC cycle: cycle base below flooding surface Thin section | | |
| G-3690 | 11.7 (11.45-11.6) | HFC3b | | | | 202 | 20.8 | 235 | 10.2 | 2.73 | Pedogenic limestone (massive calcrite and root-mold limestone) | BFC cycle: cycle top Thin section | | |
| G-3690 | 22.0 | HFC2 | | | | 670 | 638 | 711 | 13.8 | 2.71 | Mudstone and wackestone | BFC cycle: cycle top Thin section | | |
| G-3691 | 22.3 | HFC3a | | | | 6,501 | 4,332 | 7,474 | 32.4 | 2.71 | Gastropod floatstone and rudstone | BFC cycle: cycle base below flooding surface Thin section | | |
| G-3692 | 10.8 | HFC4 | 221.32 | 23.3 | 2.71 | | | | | | Coral framestone | Subtidal cycle Thin section | | |
| G-3694 | 16.0 | HFC4 | | | | 83.2 | 42.5 | 11.8 | 17.3 | 2.71 | Peloid wackestone and packstone | Subtidal cycle Thin section | | |
| G-3695 | 15.5 | HFC3b | | | | .14 | .11 | .02 | 10.6 | 2.70 | Pedogenic limestone (root-mold limestone) | BFC cycle: cycle top Thin section | | |
| G-3695 | 20.0 | HFC3a | | | | 58.5 | 13.7 | 532 | 16.7 | 2.72 | Mudstone and wackestone | BFC cycle: cycle top Thin section | | |

Appendix II. Porosity and permeability from core samples (Continued)

[Well locations are shown in figure 2; BFC, upward-shallowing brackish- or freshwater-capped cycle]

| Local well identifier | Depth (feet) ¹ | High-frequency cycle or formation | Core plug | | | Whole core | | | | | Rock-fabric facies | Comments | | |
|-----------------------|---------------------------|-----------------------------------|--|--------------------|-------------------------------------|---|--|-----------------------------------|---------------------------|--------------------------------------|--|---|--|--|
| | | | Permeability steady state K_{air} (millidarcies) | Porosity (percent) | Grain density (gram per centimeter) | Permeability | | | Helium porosity (percent) | Grain density (grams per centimeter) | | | | |
| | | | | | | Maximum horizontal K_{air} (millidarcies) | Horizontal ($90 \times K_{air}$ (millidarcies)) | Vertical K_{air} (millidarcies) | | | | | | |
| G-3696 | 19.0 | HFC4 | | | | 1,035 | 680 | 5,624 | 12.5 | 2.71 | Conglomerate | Subtidal cycle Thin section | | |
| G-3696 | 19.5 | HFC3b | | | | 355 | 291 | .12 | 13.9 | 2.71 | Mudstone and wackestone | BFC cycle: cycle top Thin section | | |
| G-3697 | 12.9 | HFC4 | | | | .67 | .50 | .18 | 18.9 | 2.72 | Quartz sandstone and skeletal sandstone | Subtidal cycle Thin section | | |
| G-3697 | 13.0 | HFC4 | | | | 18.2 | .05 | .02 | 8.3 | 2.72 | Conglomerate | Subtidal cycle Thin section | | |
| G-3697 | 27.5 | HFC2 | | | | .45 | .40 | .16 | 23.2 | 2.72 | Skeletal grainstone and packstone | BFC cycle: mid-cycle Thin section | | |
| G-3710 | 19.25 | HFC3a | | | | 11,227 | 11,227 | 12,900 | 22.6 | 2.72 | Pelecypod floatstone and rudstone | BFC cycle: lower cycle above flooding surface | | |
| G-3710 | 24.33 | HFC3a | | | | 1,315 | 998 | 9,754 | 14.7 | 2.71 | Gastropod floatstone and rudstone | BFC cycle: cycle base below flooding surface | | |
| G-3710 | 26.3 | HFC3a | 34,400 | 35.2 | 2.72 | | | | | | Touching-vug pelecypod floatstone and rudstone | BFC cycle: lower cycle above flooding surface Thin section | | |
| G-3710 | 30.33 | HFC2 | | | | 4,754 | 1,357 | 92.5 | 33.7 | 2.72 | Skeletal grainstone and packstone | BFC cycle: mid-cycle | | |
| G-3711 | 4 | HFC5 | | | | 25,764 | 12,875 | 13,372 | 46.7 | 2.69 | Peloid grainstone and packstone | Subtidal cycle | | |
| G-3711 | 27.33 | HFC3a | | | | 1,031 | 1,007 | 6.18 | 25.9 | 2.71 | Gastropod floatstone and rudstone | BFC cycle: cycle base below flooding surface | | |
| G-3712 | 6.21 | HFC5 | | | | TBFA | TBFA | 14,159 | 47.8 | 2.70 | Peloid grainstone and packstone | Subtidal cycle | | |
| G-3713 | 9.28 | HFC4 | | | | 2,204 | 1,835 | 922 | 27.3 | 2.70 | Peloid wackestone and packstone | Subtidal cycle | | |
| G-3713 | 23.75 | HFC3a | | | | 31,148 | 29,419 | 8,171 | 32.3 | 2.72 | Pelecypod floatstone and rudstone | BFC cycle: lower cycle above flooding cycle | | |
| G-3713 | 25.5 | HFC3a | | | | 27.5 | .18 | 840 | 16.0 | 2.71 | Gastropod floatstone and rudstone | BFC cycle: cycle base below flooding surface | | |
| G-3714 | 9.46 | HFC5 | | | | TBFA | TBFA | 9,494 | 49.3 | 2.67 | Peloid grainstone and packstone | Subtidal cycle | | |
| G-3714 | 18.83 | HFC3a | | | | 13,356 | 11,685 | 11,642 | 36.6 | 2.71 | Pelecypod floatstone and rudstone | BFC cycle: lower cycle above flooding surface | | |
| G-3715 | 16.88 | HFC3a | | | | 2,606 | 1,968 | 2,226 | 31.1 | 2.71 | Skeletal grainstone and packstone | BFC cycle: mid-cycle | | |
| G-3717 | 11.75 | HFC4 | | | | 7,017 | 4,302 | 248 | 11.0 | 2.69 | Peloid wackestone and packstone | Subtidal cycle | | |

Appendix II. Porosity and permeability from core samples (Continued)

[Well locations are shown in figure 2; BFC, upward-shallowing brackish- or freshwater-capped cycle]

| Local well identifier | Depth (feet) ¹ | High-frequency cycle or formation | Core plug | | | Whole core | | | | | Rock-fabric facies | Comments |
|-----------------------|---------------------------|-----------------------------------|--|--------------------|-------------------------------------|---|--|-----------------------------------|---------------------------|--------------------------------------|--|---|
| | | | Permeability steady state K_{air} (millidarcies) | Porosity (percent) | Grain density (gram per centimeter) | Permeability | | | Helium porosity (percent) | Grain density (grams per centimeter) | | |
| | | | | | | Maximum horizontal K_{air} (millidarcies) | Horizontal ($90 \times K_{air}$ (millidarcies)) | Vertical K_{air} (millidarcies) | | | | |
| G-3717 | 20.29 | HFC3a | | | | 20,592 | 18,303 | 13,217 | 23.4 | 2.71 | Mudstone and wackestone | BFC cycle: cycle top |
| G-3717 | 21.25 | HFC3a | | | | 16.3 | 10.5 | 92.3 | 20.3 | 2.70 | Gastropod floatstone and rudstone | BFC cycle: cycle base below flooding surface |
| G-3717 | 23.58 | HFC3a | | | | 8,458 | 4,229 | 12,213 | 21.8 | 2.70 | Gastropod floatstone and rudstone | BFC cycle: cycle base below flooding surface |
| G-3718 | 24.4 | HFC2 | 9.49 | 24.1 | 2.72 | | | | | | Skeletal grainstone and packstone | BFC cycle: cycle top Thin section |
| G-3718 | 24.38 | HFC2 | | | | 47.0 | 11.3 | 179 | 24.3 | 2.70 | Pedogenic limestone | BFC cycle: cycle top |
| G-3719 | 5.83 | HFC5 | | | | 2,035 | 1,775 | 4,515 | 38.8 | 2.72 | Peloidal grainstone and packstone | Subtidal cycle |
| G-3719 | 8.75 | HFC3b | | | | 4.10 | .12 | 4.13 | 10.4 | 2.71 | Mudstone and wackestone | BFC cycle: cycle top |
| G-3719 | 14.57 | HFC3a | | | | 8,067 | 6,054 | 8,532 | 34.8 | 2.72 | Pelecypod floatstone and rudstone | BFC cycle: lower cycle above flooding surface |
| G-3720 | 18.71 | HFC3a | | | | 16,478 | 16,478 | 11,878 | 38.0 | 2.73 | Touching-vug pelecypod floatstone and rudstone | BFC cycle: lower cycle above flooding surface |
| G-3720 | 22 | HFC2 | | | | 7.33 | .61 | 10,875 | 17.0 | 2.71 | Pedogenic limestone | BFC cycle: cycle top |
| G-3721 | 9.75 | HFC4 | | | | 82.5 | 21.1 | 10.6 | 16.4 | 2.70 | Peloid wackestone and packstone | Subtidal cycle |
| G-3721 | 20.5 | HFC2 | | | | .14 | .04 | .62 | 20.5 | 2.81 | Pedogenic limestone | BFC cycle: cycle top |
| G-3722 | 15.62 | HFC3a | | | | 1,867 | 1,787 | 2,273 | 37.1 | 2.65 | Pelecypod floatstone and rudstone | BFC cycle: lower cycle above flooding surface |
| G-3722 | 17.33 | HFC3a | | | | 5,263 | 4,426 | 7,190 | 41.7 | 2.72 | Pelecypod floatstone and rudstone | BFC cycle: lower cycle above flooding surface |
| G-3722 | 29.42 | HFC2 | | | | 9,580 | 6,385 | 9,704 | 25.2 | 2.70 | Vuggy wackestone and packstone | BFC cycle: lower cycle above flooding surface |
| G-3724 | 9.67 | HFC3b | | | | 673 | 597 | 404 | 12.6 | 2.69 | Pedogenic limestone (root-mold limestone) | BFC cycle: cycle top |
| G-3724 | 14.08 | HFC3a | | | | 18,308 | 7,891 | 5,100 | 44.6 | 2.72 | Skeletal grainstone and packstone | BFC cycle: mid-cycle |
| G-3725 | 9.92 | HFC4 | | | | 6,964 | 3,731 | 758 | 14.8 | 2.69 | Peloid wackestone and packstone | Subtidal cycle |
| G-3725 | 18.83 | HFC3b | | | | 12,191 | 8,125 | 6,354 | 41.1 | 2.72 | Pelecypod floatstone and rudstone | BFC cycle: lower cycle above flooding surface |
| G-3727 | 23.29 | HFC2 | | | | .19 | .14 | .01 | 15.2 | 2.71 | Pedogenic limestone | BFC cycle: cycle top |
| G-3728 | 9 | HFC3b | | | | 1,200 | 1,200 | 607 | 20.5 | 2.70 | Pedogenic limestone (root-mold limestone) | BFC cycle: cycle top |

Appendix II. Porosity and permeability from core samples (Continued)

[Well locations are shown in figure 2; BFC, upward-shallowing brackish- or freshwater-capped cycle]

| Local well identifier | Depth (feet) ¹ | High-frequency cycle or formation | Core plug | | | Whole core | | | | | Rock-fabric facies | Comments | | |
|-----------------------|---------------------------|-----------------------------------|--|--------------------|-------------------------------------|---|--|-----------------------------------|---------------------------|--------------------------------------|---|---|--|--|
| | | | Permeability steady state K_{air} (millidarcies) | Porosity (percent) | Grain density (gram per centimeter) | Permeability | | | Helium porosity (percent) | Grain density (grams per centimeter) | | | | |
| | | | | | | Maximum horizontal K_{air} (millidarcies) | Horizontal ($90 \times K_{air}$ (millidarcies)) | Vertical K_{air} (millidarcies) | | | | | | |
| G-3729 | 24.12 | HFC2 | | | | 4.51 | 1.03 | 570 | 21.8 | 2.71 | Skeletal grainstone and packstone | BFC cycle: mid-cycle | | |
| G-3730 | 9 | HFC4 | | | | 1,319 | 47.3 | 262 | 13.7 | 2.68 | Peloid wackestone and packstone | Subtidal cycle | | |
| G-3730 | 21.58 | HFC3a | | | | 8,452 | 6,500 | 15,894 | 15.5 | 2.70 | Gastropod floatstone and rudstone | BFC cycle: cycle base below flooding surface | | |
| G-3731 | 9.67 | HFC4 | | | | 144 | .03 | 201 | 5.9 | 2.69 | Subtidal cycle | Subtidal cycle | | |
| G-3731 | 11.75 | HFC3b | | | | 2,595 | 1,842 | 1,839 | 31.0 | 2.71 | Skeletal grainstone and packstone | BFC cycle: mid-cycle | | |
| G-3731 | 30.71 | HFC2 | | | | 7.23 | .53 | 10,038 | 18.2 | 2.72 | Skeletal grainstone and packstone | BFC cycle: mid-cycle | | |
| G-3731 | 39.08 | HFC1 | | | | 3,530 | 1,463 | 13,050 | 20.4 | 2.71 | Pelecypod floatstone and rudstone | BFC cycle: lower cycle above flooding surface | | |
| G-3732 | 39.5 | HFC1? | 194.3 | 10.8 | 2.71 | | | | | | Sandy pelecypod floatstone and rudstone | BFC cycle: lower cycle above flooding surface Thin section | | |
| G-3732 | 25.5 | HFC2 | | | | 28.7 | 22.9 | 206 | 11.5 | 2.71 | Pedogenic limestone | BFC cycle: cycle top | | |
| G-3732 | 42.4-42.7 | HFC1? | | | | | | 13,362 | 34.8 | 2.68 | Sandy pelecypod floatstone and rudstone | Subtidal cycle: lower cycle above flooding surface | | |
| G-3732 | 44.0 | HFC1? | 165.3 | 16.2 | 2.71 | | | | | | Quartz sandstone and skeletal sandstone | Subtidal cycle: cycle top Thin section | | |
| G-3734 | 9.13 | HFC3b | | | | 15.5 | 10.9 | 20.2 | 13.1 | 2.70 | Sandy skeletal grainstone and packstone | BFC cycle: mid-cycle | | |
| G-3734 | 24 | HFC2 | | | | 667 | 332 | 17,567 | 23.4 | 2.72 | Sandy skeletal grainstone and packstone | Subtidal cycle: cycle top | | |

¹Driller's depth in feet below land surface