

379-19

M. M. Gray
 American Cyanamid Co.
 Chatham Co., N.C. 586
 Elev. : Logged by SMH

| Description: | Depth in Feet: |
|--|----------------|
| Dark-green to gray-colored, silty, micaceous, somewhat carbonaceous clay | 0 - 40 |
| Fine to coarse-grained, angular sand | 40 - 45 |
| Same as 0 - 40, but more micaceous | 45 - 65 |
| Do.; plus frequent fragments of pale-green-colored, sandy clay and abundant, fine-grained, brown-colored, phosphatic pebbles | 65 - 75 |
| Mostly medium to coarse-grained, phosphatic sand with scattered fragments of pale-green-colored, sandy clay | 75 - 115 |
| Do.; plus increase in amount of pale-green clay | 115 - 140 |
| Do.; plus fragments of light-brown-colored, sandy, phosphatic, dolomitic rock; brown-colored, phosphatic pebbles, abundant | 140 - 172 |
| Do.; plus strong increase in amount of dolomitic rock and pale-green-colored clay | 172 - 184 |
| Predominately cream-colored, nodular, somewhat weathered(?) and sandy limestone with scattered fragments of dense, white limestone, latter carrying molds of macro-shells | 184 - 214 |
| Mostly soft, cream-colored, nodular, fossiliferous limestone | 214 - 264 |
| <i>Nemilla hantkeni</i> , var. <i>hyrakensis</i> , <i>Textularia</i> sp., <i>Orthis</i> sp., <i>Fusus</i> sp., <i>Ret.</i> of <i>hyrakensis</i> , <i>Glypta</i> | 214 - 224 |
| <i>Glypta</i> sp. common | 224 - 254 |
| Do., but progressively more calcitized, more dense with increased depth | 254 - 264 |
| <i>Miliolidae</i> , prominent | 264 - 294 |
| Gray to white, very dense, much calcitized, fossiliferous limestone carrying macro-shells, echinoid spines, foraminifera, and abundant bryozoan remains | 294 - 354 |
| <i>Discosyrinx</i> , <i>nassauensis</i> , <i>Operculinella</i> sp., <i>Planorbis</i> , var. <i>soporensis</i> , <i>Eschschschia</i> , <i>Jacksonia</i> , <i>Lanularia</i> sp., <i>Arxiphaea</i> sp. | 294 - 304 |
| <i>Discosyrinx</i> , <i>nassauensis</i> , common | 304 - 314 |
| <i>Planularia</i> sp., <i>Ret.</i> of <i>cecalanus</i> (?) | 314 - 324 |
| <i>Oper.</i> <i>cecalanus</i> | 324 - 334 |
| <i>Discosyrinx</i> cf. <i>citrensis</i> | 334 - 354 |
| Lithology same as above, but limestone sparsely glauconitic | 354 - 464 |
| Limestone granular, becoming denser and more calcitized with increased depth, and fossiliferous in streaks, or zones | 464 - 654 |
| <i>Gomoceras</i> sp., <i>Discosyrinx</i> sp., <i>Oper.</i> cf. <i>nassauensis</i> , <i>Lept.</i> (<i>Polyleptina</i>) <i>antilles</i> (?), <i>Ampel.</i> <i>lopertrigoi</i> ; <i>Gomoceras</i> sp. & <i>Ampel.</i> <i>lopertrigoi</i> , & <i>Lept.</i> <i>antilles</i> (?), common | 464 - 474 |
| Limestone carrying sand inclusions | 584 - 654 |
| Micro-fauna same as 464 - 474 | 624 - 654 |

UNPUBLISHED RECORDS
 SUBJECT TO REVISION

* Re-worked Jackson

2 American Cyanamid Cont'd.

Depth
in Feet

Formation:

Summary:

| | | | |
|--------------------------|-------|----------------------|----------------|
| Pliocene - Recent (?) | _____ | 0 - 70 (±) | |
| Undifferentiated Miocene | _____ | 70 - 189 | |
| Nawthorne | _____ | 70 - 184 | |
| Possible Tampa (?) | _____ | 184 - 189 (±) | Top Ocala |
| Oligocene (Suwannee) | _____ | 189 - 290 | |
| Upper Eocene (Ocala) | _____ | 290 - 460 | 290 |
| Middle Eocene (Ocala) | _____ | 460 - 654 (+) | 298 |

Possible Water-Bearing Horizons:

Limestone _____ 290 - 654

UNPUBLISHED RECORDS
SUBJECT TO REVISION

378-11

August/54

Merrell Gray
2 American Cyanamid
Clinton Co. 35605 # 376
Log by SMH

Description:

Depth
in Feet:

| | |
|--|---------------|
| Dense, light-gray, much calcitized, fossiliferous limestone carrying micro-shells, foraminifera, and abundant bryozoan remains | 304 - 354 |
| <u>Discocyclus nassauensis</u> , common; <u>argyrotheca</u> sp. | 304 - 314 |
| <u>Merrellinoides</u> sp. | 314 - 324 |
| <u>Orce. cf. oculinus</u> , <u>Cyp. lobulus</u> , <u>Plan. coccensis</u> , v r., <u>Lepidocyclina</u> sp. | 324 - 334 |
| <u>Epon. jacksonensis</u> , common | 334 - 344 |
| <u>Discocyclus citrensis</u> | 344 - 354 |
| Very dense, highly calcitized, sparsely glauconitic, fossiliferous limestone carrying micro-shells, bryozoan and echinoid remains, and foraminifera | 354 - 424 |
| <u>Disc. rosulata</u> , <u>Cib. mississippiensis</u> | 354 - 364 |
| <u>Cib. marianus</u> | 364 - 374 |
| <u>Cib. mississippiensis</u> , <u>Cib. lobulus</u> , <u>Cyp. soldanii</u> , v r. | 374 - 384 |
| <u>Discorbis</u> sp. | 384 - 404 |
| Dense, white, somewhat sandy, fossiliferous limestone | 404 - 424 |
| Porous, gray-colored, calcitized, sparsely glauconitic, somewhat granular, fossiliferous limestone | 424 - 464 |
| <u>Cam. cf. vanderstoki</u> , <u>Orce. bakeri</u> , <u>Camerin</u> sp., <u>Discocyclus citrensis</u> , <u>Amh. laticostis</u> , <u>Lepidocyclina</u> sp., <u>Discocyclus monticelensis</u> (?) | 464 - 524 |
| <u>Amh. laticostis</u> , <u>Orce. oculinus</u> , <u>Discocyclus flintensis</u> , <u>Cyp. lobulus</u> , <u>Cam. jacksonensis</u> , <u>Lea. (Polyclad.) nuttiana</u> sp. | 474 - 484 |
| <u>Orce. virginianensis</u> , <u>Lea. (Polyclad.) nuttiana</u> | 484 - 494 |
| Very dense, highly calcitized, unfossiliferous limestone | 524 - 564 |
| Dense, light-gray-colored, sandy, sparsely glauconitic limestone carrying frequent micro-shells and scales of micro-shells | 564 - 624 |
| <u>Cam. cf. vanderstoki</u> , common | 574 - 584 |
| Bryozoan remains, common | 584 - 604 |
| Do.; plus increasing amounts of dense, gray-colored, sparsely glauconitic, highly calcitized, sandy fossiliferous limestone | 624 - 654 (*) |

* See previous log for report on interval, 6 - 304.
** Re-eroded Clinton.
*** Good report lithology.

2 Americ. Cyan mid Cont'd.:

Description:

Depth
in feet:

Gemeria sp., Discoecycl. monticollensis(?),
and abundant bryozoan remains ----- 614 - 634

Formation:

Summary*

Jackson (Undifferentiated Oc. 1 - Gosport) --- 604 - 624
Cl. in. or ne (?) ----- 624 - 654(+)

UNPUBLISHED RECORDS
SUBJECT TO REVISION

* See previous report for complete summary.