

## FLA-DA-OT-1

- 15-20 | wh-crmy, chy, ming, frag, sand ls w/ 20% M-f, Ang, wh qtz & sd
- 20-30 | wh-crmy, ming, hard, ool ls w/ vugs where foss have broken out & chy remains at other ool.
- 30-40 | -do- Also slightly sdy (M qtz) & daltz
- 40-50 | M-f, w rd, milky-clear qtz & sd
- 50-60 | -do-
- 60-70 | -do-
- 70-80 | -do-
- 80-90 | -do- but C-F
- 90-100 | -do- w/ abundant tan-wh, vuggy, tight, micro ls. as above
- 100-110 | 50% sd 50% grey-crmy, frag, porous, micro ls w/ some foss.
- 110-120 | -do- w/ abundant foss.
- 120-30 | -do-
- 130-40 | -do-
- 140-50 | -do-
- 150-60 | -do-
- 160-70 | N.S.
- 170-80 | buff, peltal, poorly consol. ls w/ abundant s.f.
- 180-90 | -do- but well ind.
- 190-200 | -do-
- 200-10 | -do-
- 210-20 | -do-
- 220-30 | -do-
- 230-40 | -do-
- 240-50 | -do-

- 250-60 | wh, v fgn, ind, foss lg w/ s. f.
- 260-70 | -do-
- 270-80 | -do- vuggy where foss. have broken cont
- 280-90 | -do-
- 290-300 | wh, frag-foss, micro, ind lg, porous vuggy w/ foss. molds
- 300-20 | N.S.
- 320-30 | Same (290-300) w/ abundant s. f.
- 330-40 | -do-
- 340-50 | -do-
- 350-60 | -do-
- 360-70 | -do-
- 370-80 | -do-
- 380-90 | -do-
- 390-400 | -do-
- 400-10 | -do-
- 410-20 | -do- but wh-buff
- 420-30 | -do-
- 430-40 | -do-
- 440-50 | -do-
- 450-60 | -do-
- 460-70 | -do-
- 470-80 | -do-
- 480-90 | -do-
- 490-500 | -do-
- 500-10 | -do-

510-20 | -do-  
520-30 | -do-  
530-40 | -do-  
540-50 | -do-  
550-60 | -do-  
570-80 | -do-  
580-90 | -do-  
590-600 | -do-  
600-70 | -do-  
610-20 | -do-  
620-30 | -do-  
630-40 | -do-  
640-50 | -do-  
650-60 | -do- but tighter than above  
660-70 | -do-  
670-80 | -do- but porous AS (C.40-50)  
680-90 | -do-  
690-700 | -do-  
700-10 | -do-  
710-20 | -do-  
720-30 | -do-  
730-40 | -do-  
740-50 | -do-  
750-60 | wh, ind ch w/ abundant Microfauna  
760-70 | -do-

770-80	-do-		
760-90	-do-		
740-800	-do-		
800-10	-do-	now w/ abundant microf. + s.f.	
810-70	-do-		
820-30	-do-		
830-40	-do-		
840-80	-do-		
850-60	-do-		
860-70	-do-		
870-50	-do-		
880-40	-do-		
890-900	-do-		
900-10	80% ch + microf. + s.f. as above	20% ltan, f + mln, porous, chy del	Tr. phos.
910-20	45% "	20% "	5% phosphatized forams + s.f.
920-30	15% chy, wt, microg. foss frag ls.	20% "	5% "
930-40	-do-	Also w/ abundant loose microf.	
940-50	95% ls + microf. as above	5% del	Tr. phosphatized s.f.
950-60	-do-		
960-70	100% ls, microf. as above		
970-80	-do-	Tr. phosphatized s.f.	
980-90	-do-		
990-00	-do-	but no phosphatized s.f.	
1000-3000	N.S.		

\* 3000-10 | brown-gray, f-c 2FAly, tight dol w/ a few widely scattered vugs w/ large forams

3010-20 | -do-

3020-30 | -do-

3030-40 | -do-

3040-50 | -do-

3050-60 | -do-

3060-70 | -do- but now 1 lbann-tray

3070-80 | -do-

3080-90 | -do-

3090-00 | -do-

3100-10 | -do-

3150-40 | -do-

3160-70 | -do- but slightly anhyd.

3170-80 | -do-

3180-90 | v. many frags - foss. ind, partially <sup>porous</sup> dol is w/ large forams

3190-00 | -do-

3200-10 | dol as (3170-80)

3210-20 | -do-

3220-30 | -do-

3230-40 | ls as (3180-90)

3240-50 | -do-

3250-60 | -do-

3260-70 | -do- but tight

3270-00 | -do-

300-10 | -do- but highly dolte

3410-20 | wh, micro, ch, v porous, ind, pelletal - foss - frag ls w/ abundant large forams

3400-10 | -do-

3450-60 | -do-

3460-70 | litary, micro, hard ls w/ numerous blk specks

3470-80 | buff - wh, frag - foss, porous ls, almost completely dolite w/ abundant large forams

3480-90 | -do-

3490-00 | SAME (3470-80)

3500-10 | -do-

3510-20 | SAME (3470-80)

3520-30 | -do-

3530-40 | -do-

3540-50 | -do-

3550-60 | SAME (3310-20)

3560-70 | -do-

3570-80 | -do-

3580-90 | -do-

3590-00 | -do-

3600-10 | -do-

3610-20 | litary, v crystalline porous, ind, vuggy dol w/ abundant large forams

3620-30 | -do-

3630-40 | -do-

3640-50 | SAME (3470-80)

3650-60 | -do- but less dolite

3660-70 | litary, micro, ind ls w/ blk specks w/ abundant large forams

3670-80 | -do-

- 3680-90 | buff- wh, micro, frag- foss, ind, chy ls w/ abundant large fossils
- 3690-90 | -do-
- 3700-10 | -do-
- 3710-20 | -do- but delta tighter than above
- 3720-30 | -do-
- 3730-40 | -do-
- 3740-50 | wh, chy, porous, frag- foss ls w/ some vc xalline tan-brn dol also abundant large fossils
- 3750-60 | -do-
- 3760-70 | -do-
- 3770-80 | wh-amy, foss-frag, micro, ind, porous ls, somewhat delta w/ abundant large fossils
- 3780-90 | -do-
- 3790-00 | -do-
- 3800-10 | -do- but chy & not delta
- 3810-20 | wh-buff, micro, pelleral- foss, dolice ls, porous w/ abundant large fossils
- 3820-70 | -do-
- 3830-80 | wh-buff, frag- foss- pelleral, micro, porous, dolice ls w/ abundant fossils & vc xalline dol horizons
- 3840-90 | -do- but not delta w/ some chy pieces
- 3890-40 N.S.
- 3900-70 | -do-
- 3910-80 | -do- w/ Tr. wh, soft, crystalline Ark
- 3920-90 | -do-
- 3930-00 | -do-
- 4000-10 | -do-
- 4010-20 | -do- Tr. tanqnx, silty, fine, calc, soft sh
- 4020-30 | N.S.

4030-40 | -do- bus no sh  
4040-50 | -do-  
4050-60 | -do-  
4060-70 | -do- bus no del rumber  
4070-80 | -do-  
4080-90 | -do-  
4090-00 | -do-  
4101-10 | -do-  
4110-20 | -do-  
4120-30 | -do-  
4130-40 | -do-  
4140-50 | -do-  
4150-60 | -do-  
4160-70 | -do-  
4170-80 | -do-  
4180-90 | -do-  
4190-00 | -do-  
4200-10 | -do-  
4250-60 | -do-  
4300-10 | -do-  
4350-60 | -do-  
4390-00 | -do-  
4400-4500 | M.S.  
4500-10 | SAME (4390-00)  
4550-60 | -do-



4590-00 | -do- becoming non chy

4600-4700 | N.S.

4700-10 | Same (4590-00)

4750-60 | -do-

4790-00 | -do-

4800-4900 | N.S.

4900-10 | -do-

4940-50 | wh, fess- peltal, micro, porous, soft, chy ls w/ some dolite pieces

4990-00 | -do-

5000-04 | N.S.

5004-10 | Hry, micro, ind, chy ls w/ blk specks

500-20 | -do-

5020-30 | Crmy, wt- micro, ind, porous dol

5030-40 | -do-

5040-50 | -do-

5050-60 | -do-

5060-70 | N.S.

5070-80 | -do-

5080-90 | -do-

5090-00 | -do-

1100-10 | Hry, hard, micro, chy ls w/ blk specks

110-20 | dol as above

110-30 | -do-

120-40 | -do-

140-50 | -do-

5150-60 | ls AS Above

5160-70 | dol AS Above

5170-80 | wh, <sup>buff</sup> facialy tight dol w/ relief adalpel ls texture

5180-90 | -do-

5190-00 | -do-

5200-10 | -do- w/ wh facialy soft ash

5210-20 | -do- but p-c xstaly dol

5220-30 | wh merging, dol ch w/ ash as above plus, crossed up calcareous

5230-40 | -do-

5240-50 | wh, ind ch w/ ash & some dollic pieces

5250-60 | -do- w/ ash, dol rhombs present

5260-70 | -do-

5270-80 | Lt tag, sacc, m-c xstaly tight dol as replacement of above ch

5300-10 | -do-

5310-20 | -do-

5320-30 | -do-

5330-40 | wh, ind ch w/ ash & some <sup>→ dol to tag, s xstaly</sup> dollic pieces or ash dol rhombs (c xstaly)

5340-50 | -do-

5350-60 | -do-

5360-70 | dol AS Above

5370-80 | -do-

5380-90 | ch AS Above

5390-00 | dol AS Above

5400-10 | N.E.

5410-20 | dol AS Above

5420-30 | -do-  
5430-40 | -do-  
5440-50 | -do-  
5450-60 | -do-  
5460-70 | -do-  
5470-80 | ch as above

5480-90 | -do-  
5490-00 | -do-  
5500-10 | -do-

5550-60 | -do-  
5600-70 | -do-  
5650-80 | -do-

5700-90 | -do-  
5750-00 | -do-  
5800-10 | -do-

5850-20 | -do-  
5870-30 | N.S.

5900-40 | Same as (5850-60)

5920-50 | N.S.

5950-60 | Same as (5850-60)

6000-70 | -do-

6040-80 | N.S.

6100-90 | Same as (5950-60)

6150-00 | -do- but no sub ch becoming slightly less

6200-10 | -do- slightly more less than above

6250-60 | -do-

6300-10 | -do-

6310-20 | N.S.

6350-60 | Same as 6300-10

6400-10 | -do- w/ Tr. of lim.

6410-20 | N.S.

6450-60 | Same as 6400-10

6500-10 | -do-

6550-60 | -do-

6600-10 | -do-

6650-60 | -do-

6700-10 | -do-

6750-60 | -do- w/ Tr. w/ fossils, etc.

6800-10 | -do-

6850-60 | -do-

6900-10 | -do-

6950-60 | -do-

7000-10 | -do- but fossil sh.

7050-60 | -do-

7100-10 | -do-

7150-60 | -do-

7200-10 | -do- w/ Tr. quartz, soft, fissile, waxy, calc. sh.

7250-60 | -do-

7300-10 | -do-

7350-60 | -do-

7400-10 | -do- | w/ lim, anhyd, sh

7450-10 | -do-

7460-70 | N.S.

7470-80 | Same as (7450-10)

7480-90 | -do-

7490-00 | wh, ind, foss sh w/ certaly, sac, tan dol as replacement of some gms.

To lim, gray, fissile, calc sh w/ calc wh lenses & spines

7500-10 | -do-

7550-60 | -do-

7600-10 | -do- but no sh

7650-60 | -do-

7700-10 | -do-

7750-60 | Gray, v. fat, porous, hard, even textured dol

7760-70 | N.S.

7770-80 | Same as (7750-60)

7780-90 | wh, micro, ind, foss ls w/ tan, certaly, sac dol as a replacement of some pieces

To lim & gray, fissile, soft, waxy, calc sh & wh, fat, an h

7790-00 | -do-

7800-10 | -do-

7850-60 | -do-

7900-10 | -do-

7950-60 | -do-

8000-10 | -do-

8050-60 | -do-

8100-10 | -do-

8150-00 | -do- but no lim. ansh

8160-70 | w/ wh, f, r, al, porous, vuggy, hand dol

8170-80 | -do-

8180-70 | -do-

8190-00 | -do-

8200-10 | wh, micro, ind, foss 16 w/ tan, e r, al, sacc dol

8210-70 | -do-

8220-30 | -do-

8230-40 | -do-

8240-70 | N.S.

8270-80 | SAME AS (8230-40) w/ lim.

8280-90 | -do-

8290-00 | -do-

8300-10 | -do- w/ wh, u, f, r, al, soft ant

8350-60 | -do-

8400-10 | -do-

8410-20 | -do-

8420-30 | N.S.

8430-40 | ch w/ dol as above w/ tan, f, an, s, abundant lim.

8440-50 | -do-

8450-60 | -do- but no lim & ansh

8460-70 | -do-

8500-10 | -do-

8550-60 | -do-

8560-70 | -do-

8510-80 | N.S.

8520-90 | Same as (8560-70)

8550-00 | N.S.

8600-10 | Wh-buff, v. crystalline, hard, impure anhyd

8610-20 | buff, f-micro, porous, vuggy anhyd dol

8620-30 | -do-

8630-40 | Crmy, anhyd, micro, porous dol

8640-50 | Wh, pure, v. f-micro, hard anhyd

8650-60 | -do-

8660-70 | Same as (8630-40)

8670-80 | -do- w/ some redict dol ls texture

8680-90 | Same as (8640-50)

8690-00 | -do-

8700-10 | Tan-crmy, m-crystalline, vuggy, sacg, porous dol

8710-20 | Same as (8640-50)

8720-30 | buff, v. f-micro, vuggy, porous, anhyd dol

8730-40 | -do-

8740-50 | -do-

8750-60 | N.S.

8760-70 | Same as (8640-50)

8770-80 | -do-

8780-90 | -do-

8790-00 | buff-wh, impure, f-crystalline anhyd

8800-10 | Ultracrmy, v. crystalline, anhyd, porous, vuggy dol

8810-20 | -do-

8820-30 | -do-

8830-40 | wh, pure, f. xtaln, soft anh

8840-50 | Same as (8820-30)

8850-60 | -do-

8860-70 | -do- Tr. dk gray, fissile, soft, waxy sh

8870-80 | wh, chy, foss, micog ind ls Tr. dk gray sh w/ tan, caraly, sacc dol as replacement

8880-90 | dol as (8870-30) Tr. dk gray sh

8890-00 | -do-

8900-10 | -do-

8910-20 | ls as (8870-80) Tr. sh

8920-30 | buff, m xtaln, porous, waxy, anhyd dol

8930-40 | -do-

8940-50 | ls as above but no dol replacement

8950-60 | -do-

8960-70 | dol as (8920-30)

8970-80 | wh, impure, w. xtaln, hard anh Tr. brn gray, fissile, waxy, soft, calc sh

8980-90 | -do-

8990-00 | dol as (8920-30)

9000-10 | -do-

9010-20 | blk-buck red, thin plates of lim

9020-30 | dol as (8920-30)

9030-40 | -do-

9040-50 | -do- but m-f xtaln

9050-60 | -do-

9060-70 | -do-



9070-80 | -do-

9080-90 | -do-

9090-00 | wh, f x raly, hard Anh

9100-10 | lt gray, v f - m x raly, sacc, vugary, porous, anhyd dol

9110-20 | -do- but not sacc

9120-20 | wh, micro, ind, chy, foss ls      to deep bluish, n, waxy, black, soft sh

9130-40 | -do-

9140-50 | Gray, f x raly, sacc, porous, vugary dol

9150-60 | -do-

9160-70 | -do-

9170-80 | -do-

9180-90 | N.S.

9190-00 | wh-gray, impure, v f x raly, hard Anh

9200-10 | brn gray-gray, v f - m x raly, vugary, porous dol

9210-20 | -do-

9220-70 | N.S.

9230-80 | ls as (9120-20) w/ abundant blk-brick red lim plates

9280-90 | dol as (9200-10)

9290-00 | -do-

9300-10 | -do-

9310-20 | N.S.

9320-30 | -do-

9330-40 | -do-

9340-50 | -do-

9350-60 | -do-

9360-70 | -do-

9370-80 | -do- but 1+brnqny = tan

9380-90 | Crny - w/ micro, incl dolc ls

9390-90 | -do-

9400-10 | -do-

9410-20 | brn-tan, f-m xtal, sacc, unqny, porous dol

9420-30 | -do-

9430-40 | -do-

9440-50 | -do-

9450-60 | -do-

9460-70 | -do-

9470-80 | -do-

9480-90 | -do-

9490-00 | Crny - w/ qny, incl xtal, porous dol

9500-10 | -do-

9510-20 | vlt qny, micro, incl, porous ls w/ a few microcrystallites

9520-30 | M.S.

9530-40 | -do- but w/ a few widely scattered ool & abundant blk bricked lim plates

9540-50 | -do-

9550-60 | Crny - brnqny micro, tight ls

9560-70 | -do-

9570-80 | -do-

9580-90 | vlt qny, porous = Mgny, tight, micro ls

9590-00 | -do-

9600-10 | buff, m-f xtal, sacc, porous, unqny dol

9610-20 | -do-

9620-30 | -do-

9630-40 | buff-cmy, ucky, f-m xrtah, ucky, porous del

9640-51 | -do-

9651-9950 | N.S.

9950-9951 | wh, slightly foss, incl ch w/ c-m xrtah, tray del replacing some pieces

9960-70 | -do-

9970-80 | buff, m xrtah, sack, porous, ucky del

9980-90 | -do-

9990-00 | -do-

10,000-10 | wh, hand, micro, foss, frag ls

10,010-20 | -do-

10,020-30 | -do-

10,030-40 | -do-

10,040-50 | vltbngry, m xrtah, sack, porous, ucky del

10,050-60 | -do- but f-m xrtah

10,060-70 | -do-

10,070-80 | N.S.

10,080-90 | -do- but all xrtah

10,090-00 | vltbngry, f xrtah, porous, even textured del

10,100-10 | -do-

10,110-20 | -do-

10,120-30 | -do-

10,130-40 | wh, micro, hand, porous ls

10,140-50 | vltbngry, f-m xrtah, porous, ucky del

- 10,150-60 | -do-
- 10,140-70 | -do-
- 10,170-80 | -do-
- 10,180-90 | -do-
- 10,190-00 | -do-
- 10,200-10 | wh, f r talh, porous, sacc dol w/ scattered vugs
- 10,210-20 | -do-
- 10,220-30 | wh, ind, micro, chy ls
- 10,230-40 | -do-
- 10,240-50 | vlt qny, f r talh, porous, sacc dol
- 10,250-60 | -do- but 11 traq - 11 bnn qny
- 10,260-70 | -do-
- 10,270-80 | -do-
- 10,280-90 | -do- w/ scattered vugs
- 10,290-00 | -do-
- 10,300-10 | N.S.
- 10,320-30 | vlt qny, micro, hard, tight ls w/ a few widely scattered bio
- 10,330-40 | -do-
- 10,340-50 | 11 bnn qny, vlt f r talh, sacc, porous dol
- 10,350-60 | -do- but now also vuggy
- 10,360-70 | -do-
- 10,370-80 | dk-m qny, micro, tight, anhyd ls
- 10,380-90 | buff, f r talh, sacc, porous dol
- 10,390-00 | wh, micro, ind, porous ls w/ scattered bio
- 10,400-10 | -do- but wh-vlt qny a slightly fass

10,410-20 | -do-

10,420-30 | -do-

10,430-40 | N.S.

10,440-50 | lt-brnqy, crypto, tight ls w/ some scattered bio

10,450-60 | wh, f. raly, hard anh

10,460-70 | -do-

10,470-80 | lt-brnqy, micro, tight bio ls, slightly anhyd

10,480-90 | brnqy, f. raly, sacc, porous, vuggy, dol

10,490-00 | -do-

10,500-10 | wh, chy, micro, ind, foss ls

10,510-20 | N.S.

10,520-30 | -do- w/ abundant blk-brnck red lim plates

10,530-40 | -do-

10,540-50 | N.S.

10,550-60 | lt-brnqy, micro, tight, hard, anhyd ls

10,560-70 | brnqy, f-m raly, sacc, vuggy, porous, dol

10,570-80 | Anh as above

10,580-90 | -do-

10,590-00 | lt-brnqy, micro, tight, hard, anhyd bio ls

10,600-10 | -do-

10,610-20 | brnqy, f. raly, sacc, porous, chy, dol w/ scattered vugs

10,620-30 | lt-brnqy, micro, tight, hard ls

10,630-40 | wh, chy, micro, ind, foss ls

10,640-50 | -do- but wh-ultqy

10,650-60 | -do- w/ some pieces deltz

10,600-70 | brnqny, micro, tight, slightly anhyd, cal ls

10,670-80 | do -

10,680-90 | wh, micro, incl, chy, foss ls

10,690-00 | do -

10,700-10 | Gray, v. xtal, porous dol

10,710-20 | N.S.

10,720-30 | chy ls as above

10,730-40 | brnqny - tan, v. xtal, vuggy, porous dol

10,740-50 | do -

10,750-60 | brnqny, micro, tight, anhyd, bio ls

10,760-70 | N.S.

10,770-80 | dk brnqny, crypto, tight ls w/ widely scattered bio

10,780-90 | chy ls as above

10,790-00 | tan-brnqny, f-c xtal, sacc, vuggy, porous dol

10,800-10 | tan, c. xtal, sacc, porous, vuggy dol

10,810-20 | do -

10,820-30 | chy ls as above

10,830-40 | brnqny, crypto, tight ls w/ scattered bio

10,840-50 | do -

10,850-60 | do -

10,860-70 | vlt gray-brnqny-brn, micro-crypto, tight bio ls

10,870-80 | do -

10,880-90 | chy ls as above

10,890-00 | do -

10,900-10 | dk-brnqny, crypto, tight ls

10,910-20 | chy ls as above

10,920-30 | -do-

10,930-40 | bnngry, crypto, tight ls w/ scattered ool

10,940-50 | -do-

10,950-60 | -do-

10,960-70 | gry-bnngry, anhyd, crypto, tight ool ls

10,970-80 | -do- but ool widely scattered

10,980-90 | Mqry, v. xtal, porous, even textured dol

10,990-00 | wh pure, v. xtal, hard anh

11,000-10 | bnngry, v. xtal, porous, even textured, slightly anhyd dol

11,010-20 | bnngry, crypto, tight ls

11,020-30 | -do- w/ widely scattered ool

11,030-40 | N.S.

11,040-50 | -do- but dkbnngry

11,050-60 | N.S.

11,060-70 | -do-

11,070-80 | Mqry, crypto, tight, hard ls

11,080-90 | wh-gry, impure, v. xtal, hard anh

11,090-00 | chy ls as above

11,100-10 | Gry-bnngry, tight, crypto ls

11,110-20 | -do- w/ widely scattered bio

11,120-30 | -do-

11,130-40 | -do-

11,140-50 | chy ls as above

11,150-60 | -do-

11,160-70 | bngray, vfrataly, porous, ungray dol

11,170-80 | blk, soft, fissile calc sh

11,180-00 | B.S.

11,200-10 | dkgray, crypto, tight ls w/ scattered dol

11,210-20 | -do- but dkgray-bngray

11,230-30 | -do-

11,230-40 | -do-

11,240-50 | -do-

11,250-60 | -do-

11,260-70 | chy ls as above

11,270-80 | wh, frataly, hard anh

11,280-90 | -do- but wh-bn

11,290-00 | Gray-bngray, crypto, tight, anhyd ls w/ scattered dol

11,300-10 | -do-

11,310-20 | chy ls as above

11,320-30 | -do-



OWNER : Humble Oil & Refining Company  
 FARM NAME : Trustees Internal Improvement Fund State No. 1  
 LOCATION : Center of NE/4 of SW/4 of Sec. 30, T55S, R36E, about 40 miles west of Miami and 6 miles south of Tamiami Trail  
 COUNTY : Dade  
 ELEVATION : 15' DF  
 STARTED : June 24, 1944  
 COMPLETED : March 7, 1945  
 CASING : 75.6' of 26"; 672 of 20"; 3809' of 13-3/8"  
 DEPTH : 11,789'  
 CONTRACTOR : Parker Brothers  
 USE : Test for oil - dry and abandoned  
 REMARKS : See file Humble Oil & Refining Company, Trustees I. I. Fund No. 1. Also Dixie Geological Service. Dec. 28, 1944, D. B. Ericson brought in 173 cuttings beginning at 3,811', ending at 9,164' and 111 cores (14-124) beginning at 4,024', ending at 8,917'. Feb. 5, 1945, John H. Davis, Jr., brought in 169 cuttings beginning at 140', ending at 2490' and 11 cores (1-13) beginning at 2,700', ending at 3,810'. Mar. 9, 1945, received from W. S. Launey, 1800 Monte Vista, Ft. Myers, Fla., by express, 83 cuttings beginning at 9,102' ending at 11,789' and 101 cores (125-230) beginning at 8,917' ending at 11,789'. Information from these cuttings and cores confidential for one year. Released May 3, 1946. Schlumberger from 675 to 11,794.

- 140-150 Calcareous, shell sand (quartz rounded, coarse to very fine), fragments of pelecypods, barnacles, gastropods, crab's claw, bryozoa spines of echinoids, a few Ostracods nonion sp.
- 150-160 *same* Amphistegina gibbosa d'Orbigny the most conspicuous and frequent microfossil
- 160-170 Same lithology, poor in organic remains. Elphidium sp.
- 170-180 Same. Badly reworked littoral fossils, small barnacles, etc.
- 180-190 Same lithology, some shell fragments, practically no microfossils.
- 190-200 Same.
- 200-210 Same, plus dark greenish-gray clay, less coarse quartz grains.
- 220-230 Same lithology, abundant fragments of mollusks, chiefly of pelecypods (Pecten), bryozoa, echinoids. No microfossils.
- 230-240 Same lithology. Archaias cf. angulatus, Peneropolis sp. Barnacles, etc.
- 240-250 Proportionally less quartz. Proportionally more lime.
- 250-260 Same.

- 260-270 Same, sandy, shell lime. (1 Elphidium sp.)  
1 Ostracod sp.
- 270-280, 280-290 Same, with shiny black nodules of phosphate conspicuous.
- 290-300 Same, with dark green clay.  
Amphistecina sp.  
Elphidium fimbriabulum Cushman.
- 300-310 Same but relatively more and coarser quartz, no microfossils.
- 310-320 Same, 1 Elphidium fimbriabulum
- 320-330 Same, calcareous (shell) sandstone with phosphate nodules and dark green pellets of clay. No microfossils.
- 330-340 Same, the dark green clay being fossiliferous. Buliminella elegantissima,  
Angulogerina occidentalis, Anomalina sp. (common)  
Virgulina sp., Globigerina sp. Miocene.
- 340-350 Same, less shelly material.  
1 vertebra of fish.
- 350-360 Chiefly quartz sand. Very little shell material admixed. Coarser quartz grains rounded. Buliminella elegantissima, Nonion pizarrensis,  
Anomalina sp., Virgulina sp.
- ~~360-370, 370-380~~ Fragments of pelocypods, bryozoa. About 90% fine quartz; phosphate nodules, dark green clay, fish remains.
- 380-390 Same, somewhat more phosphatic.
- 390-400 Same, some tiny foraminifera (Buliminella, Anomalina), 1 Bolivina sp.
- 400-410 Same, Cyroidina sp.
- 410-420, 420-430 Same, with more fish remains.
- 430-440 Same. More than 95% fine quartz; phosphate nodules, fish remains, dark greenish clay.
- 440-450 Same. Cibicides cf. americanus, Cibicidella sp.
- 450-460 Same, with more Miocene species of small foraminifera. Textularia,  
Drocibicides biserialis, Cibicides, Bolivina, etc.
- 460-470 Quartz sand with phosphate, green clay and fish remains.
- 470-480 Same, foraminiferous, Cassidulina cf. crassa, Planulina cf. depressa,  
Uvigerina peregrina, Miocene species of Globigerina, Anomalina basiloba.

- 480-490 Diathologic change from calcareous sandstone to porous, white, sandy limestone; with fragments and moulds of mollusks, fish remains (bones and teeth), bryozoa, and spines of echinoids (scarce)  
Globulina gibba, Dictyococcus cooki Tazara limestone, Lower Miocene
- 490-500 Same, Quartz, very fine.
- 500-510 Same, white, sandy, fossiliferous limestone. Nonion grateloup, Uvigerina sp., Globigerina sp., Cibicides sp., Nonionella sp., Bolivina cf gunteri, Textulariella barretti
- 510-520 Same, with porous limestone, coarser quartz grains frosted and rounded. Globigerina sp., Textulariella sp.
- 520-530 Same, fragments of pelecypods and of echinoids.
- 530-540 Same, with larger-sized phosphatic nodules and increased proportion of gastropods.
- 540-550 Same, large size pebbles to quartz and phosphate (up to 1/2"), No fine quartz.
- 560-570 White, sandy, porous limestone with microscopic phosphate; bryozoa, pelecypod fragments.
- 570-580, 580-590 Same.
- 590-600 Same. Bryozoa (large moulds of gastropods, pelecypod fragments, trace of marine worms. Nodosaria cf. longiscaba. Very tiny foraminifera.
- 600-610 Same. Sandy limestone with fragments of pelecypods (Pecten), casts and moulds of gastropods, and bryozoa, coarse rounded quartz and fine angular quartz. No microfossils.
- 610-620 Same. Quartz very fine.
- 620-630 Same, with Archaias floridanus (fragment)
- 630-640, 640-650 Same, chiefly moulds and casts of gastropods, fragments of pectinids, bryozoa and of echinoids.
- 650-660 Same. No bryozoa. Tiny foraminifera.
- 660-670 Same, moulds of mollusks common, casts of worm trails (?) Sorites sp. (3), Amphisterina sp.
- 700-710, 710-720 Same, with Amphisterina chipolensis and Archaias floridanus.
- 720-730, 730-740 Same, with plates of small echinoids.
- 740-750 Silicious limestone with moulds and casts of mollusks as above and with fairly large spines of echinoids.
- 750-760, 760-770 Same with Elphidium chipolense (1), Amphisterina sp. (1)
- 770-780 Same. Amphisterina chipolensis (common)
- 780-790, 790-800 Same, moulds of mollusks, spines of echinoids, Amphisterina, Eponides sp.

- 810-810, 810-820 Same, Archaias floridanus (1)  
Casts and moulds of mollusks.
- 820-830, 830-840,  
840-850 Same, Quartz less amorphous, more finely crystalline, Sorites sp.
- 850-860, 880-890,  
890-900 Same, sandy limestone with casts of pelecypods (Pectenids) and gastropods. Quinqueloculina sp.
- 900-910 Same, sandy, white limestone with tiny, black specks probably of phosphate, shell fragments of mollusks.  
Sorites sp., Elphidium chipolense, echinoid spines, fish remains.
- 910-920, 920-930, 930-940,  
940-950 Same, Archaias floridanus, spine of echinoid, Amphistegina sp., phosphatic fish remains.
- 950-960 Same, very fine, sandy limestone (or calcareous sandstone) phosphate particles very small and mostly phosphatic organic remains. Small crystalline quartz.
- 960-970 Same, Sorites sp. (1), barnacle (1), cast of worm trail, flat Echinoid sp. Some tiny undiagnostic foraminifera.
- 970-980 Same, bryozoa, Pecten (caved in)
- 980-990 Same lithology. Calcareous Algae (scarce)
- 990-1000 Same. Sorites sp. pelecypod fragment(1)
- 1000-1010 White, very sandy, fine-grained, sandy limestone with very small particles of phosphate. Miogyssina sp. Oligocens
- 1010-1020 Same lithology, casts of pelecypods, bryozoa, 1 barnacle, 1 Sorites sp., 1 Dictyoconus cookei.
- 1020-1030 White, fine-grained, sandy limestone with fragments of bryozoa, flat Echinoid. No phosphate.
- 1030-1040 Same, with fragments and moulds of pelecypods, gastropods, and bryozoa. Pyrgo sp.
- 1040-1050 Same lithology. Few fossils.
- 1050-1060 Same. Miogyssina
- 1060-1070 White, finely sandy limestone
- 1070-1080 Same, with some Miogyssinas
- 1080-1090 Same, white, porous, well cemented, sandy limestone. Several bryozoa, casts of pelecypods. Miogyssina (?)
- 1090-1100 Same. Bryozoa, fragments of pelecypods, spines of echinoids. Miogyssina
- 1100-1110 White, sandy limestone, less sandy than higher up. Bryozoa, echinoid fragments, calcareous algae (scarce).

- 1110-1120, 1130-1140, 1140-1150, 1150-1160, 1160-1170, 1170-1180, 1180-1190,  
1190-1200 Same, with Miogyopsina, Fyrite sp. (1)
- 1200-1210, 1210-1220 Same white limestone with fragments of pelecypods (Pecten), bryozoa,  
Miogyopsina, very flat Echinoid, (Algae)
- 1220-1230 Same. Miogyopsina cf. venezuelina
- 1230-1240 Same. Remains of echinoids (spines, etc.) common; fragments and casts of  
mollusks, bryozoa.
- 1240-1250 Same lithology, with crab's claw, Ostrea sp. (small), Miogyopsina sp. (2),  
Globorotalia sp. (1)
- 1250-1260 Brownish limestone, chiefly composed of organic remains, Algae, etc.
- 1260-1270 Whitish limestone, chiefly composed of algae and bryozoa.  
Dictyoconus cooki (common)
- 1270-1280 Same. Algae, bryozoa, casts of mollusks, spines of echinoids.  
Dictyoconus (fewer), Textularia sp.
- 1280-1290 Same lithology. Algae, internal casts of pelecypods, gastropods, crab's  
claw, fish tooth. Heterostegina texana.
- 1290-1300 Algal limestone. Dictyoconus cooki (several), Heterostegina texana, Gastropod  
(cast), Bryozoa.
- 1300-1310 Same, algal limestone with fish remains. Dictyoconus cooki, Rotalia avon-  
parkensis. Avon Park limestone (or Oligocene)
- 1310-1320 Same lithology; algae, remains of echinoids, 1 (negative of) a coral.
- 1320-1330 Same.
- 1330-1340 Change of fauna, rich Miliolid fauna. Coskinolina sp., Russelia sp.,  
Miogyopsina cf. hawkinsi, Discorbis, Spirolina coryensis
- 1340-1350 Same algal limestone, fauna poor.
- 1350-1360 Same algal limestone.
- 1360-1370 Same algal limestone; algae, Dictyoconus cooki, Sarites sp. (1)
- 1370-1380 Tan sugary sandy (algal?) limestone with tiny specks of shining phosphate.
- 1380-1390 Same.
- 1390-1400 Algal limestone with Miliolids, Rotalia, Valvulina floridana, Dictyoconus.
- 1400-1410 Typical Avon Park limestone, a miliolid limestone, the miliolids in a  
crystalline matrix. Coskinolina floridana, Lituanella floridana, Flintina  
avonparkensis, Pseudochrysalidina sp., Spirolina coryensis (common),  
Textularia coryensis (common), Rotalia avonparkensis, echinoid and other types.
- 1410-1420 Miliolid limestone with crystalline cement.
- 1420-1430 Same, not so firmly cemented.
- 1430-1440, 1440-1450 Same.

- 10-1460 Same lithology and same rich Avon Park fauna.
- 1460-1470 Same, with some rare Cannagneya sp.
- 1470-1480, 1480-1490 Same.
- 1490-1500 Same miliolid limestone firmly cemented. Same fauna.
- 1500-1530 No samples.
- 1530-1560, 1560-1590 Impure miliolid limestone well cemented with impoverished fauna.
- 1590-1620 (Little material of) same, fragments of echinoids.
- 1620-1650 Same. (With cavings? )
- 1650-1680 Same, Echinoid, bryozoa (scarce)
- 1680-1710 Finely sandy miliolid limestone (transition).
- 1710-1740 Lake City limestone, with Fabularia vaughani.
- 1740-1770 Very foraminiferous sandy dolomitic limestone. Fossils rather indistinct. Dictyoconus americanus, Quinqueloculina sp.
- 1770-1780 Same.
- 1800-1830, 1830-1860,  
1860-1890 Same lithology; light brown dolomite, Fabularia vaughani, fragments of echinoid
- 1890-1920 Same lithology. Miliolids and algae are common. Some small Ostracods.
- 1920-1950 Same lithology; first Gumbelina sp. Very small foraminifera.
- 1950-1980 Same lithology; Reussella sp. (very small)
- 1980-2010, 2010-2040, 2040-2070, 2070-2100 Dictyoconus and algae as higher up.
- 2100-2130 Well-cemented miliolid limestone. Dictyoconus still common, Coeloculina elongata (few), small Miliolids. Oldemar limestone
- 2130-2160 Dolomitic, more or less porous. Small foraminifera and some small Ostracods, not identifiable.
- 2160-2190 Same porous dolomitic limestone with algae, Miliolids, tiny foraminifera and some tiny Ostracods.
- 2190-2220, 2220-2250 Same.
- 2250-2280 Same. Algae, Flintina (fairly common), Miliolids.
- 2280-2310 Same.
- 2310-2340 Same. Algae, Dictyoconus, echinoid fragments, tiny foraminifera.
- 2340-2390 Mainly same limestone but with aggregates of brown rhombs of dolomite, Dictyoconus, Miliolids, slender Algae, tiny foraminifera.
- 2390-2400 Same, with more dolomite.

- 2400-2430 Same, with Enonides gunteri
- 2430-2460 Same lithology. Enonides gunteri
- 2460-2490 Same.
- 2490-2700 No samples.
- 2700-2710 Core #1, mouse gray hard fossiliferous limestone. Small miliolids (in cross sections).
- 2710-2800 No samples.
- 2800-2810 White crystalline limestone.
- 2810-2994 No samples.
- 2994-3004 Core #4, dark brown sugary limestone.
- 3004-3088 No samples.
- 3088-3095 Core #5, brown hard sugary dolomite.
- 3095-3200 No samples.
- 3200-3208 Core #6, blackish-brown hard sugary dense dolomite.
- 3208-3290 No samples.
- 3290-3297 Core #7, light brown hard dense sugary dolomite.
- 3297-3400 No samples.
- 3400-3410 Core #8, cream-colored finely porous unfossiliferous limestone.
- 3410-3500 No samples.
- 3500-3510 Core #10, light brown finely crystalline gypsiferous dolomite.
- 3510-3600 No samples.
- 3600-3610 Core #11, light brown finely crystalline gypsiferous dolomite.
- 3610-3711 No samples.
- 3711-3721 Core #12, light brown hard gypsiferous sugary dolomite.
- 3721-3800 No samples.
- 3800-3810 Core #13, Top: Anhydrite. Possibly Cedar Keys limestone  
Bottom: Dolomite with anhydrite.
- 3811-3842 Sample contaminated by cavings (sack cement, Avon Park foraminifera)
- 3842-3872 Same, anhydrite.
- 3872-3902 Same.
- 3906-3936 Same (less contaminated).

- 3936-3966 Light gray limestone and anhydrite (still contaminated).
- 3967-3998 Gypsiferous limestone, anhydrite, foraminiferous. Borelis sp. (?)
- 3998-4029, 4029-4091 Very gypsiferous limestone. Anhydrite.
- 4122-4153 Same. Borelis gunteri, Planispirina (?) kissingenensis  
(almost a calcareous gypsum)
- 4153-4184, 4184-4214 Same, almost barren (unfossiliferous).
- 4216-4247 Same. (Some gray clay.)
- 4247-4277, 4277-4308, 4308-4339 Same, calcareous anhydrite (gypsum), unfossiliferous.
- 4339-4369, 4370-4402 Same, foraminiferous, but same species as above (i.e. indicating Cedar Keys limestone).
- 4402-4432 Same, foraminifera (Borelis ?) Miliolids (?) badly preserved.
- 4432-4462 Very gypsiferous limestone with miliolids.
- 4464-4495 Same. Planispirina (?) kissingenensis, Valvulamina nassauensis
- 4495-4526 Same.
- 4526-4556 Same, very gypsiferous, more or less porous fossiliferous limestone.
- 4556-4586 Same, with Coskinolina elongata, Planispirina (?) kissingenensis.
- 4588-4619 Same, with Coskinolina elongata, Cribrospira bushnellensis.
- 4619-4649, 4649-4680 Same.
- 4680-4711 Same, less foraminiferous (no Coskinolinas).
- 4711-4743 Same.
- 4743-4773, 4773-4803 Same, foraminiferous but specimens in bad shape.
- 4805-4834, 4834-4865, 4865-4895-4925 Valvulamina nassauensis
- 4927-4958, 4958-4989 Same. Borelis sp.
- 4989-5577 No samples.
- 5577-5600 Brown sugary more or less porous limestone; white dense limestone, foraminiferous. Foraminifera badly preserved. Lepidorbitoides sp. Sulcoperculina costeni, spines of echinoids. Upper Cretaceous, Lower Lawson L.
- 5606-5636 Same, gypsiferous.
- 5636-5667, 5667-5697, 5697-5727 Same lithology and fauna.
- 5698-5708 Core #15, white chalky limestone with Cibicides harperi (Sandidge)
- 5708-5713 Core #16, Same.
- 5713-5744 White chalky limestone and sugary honey-colored limestone. Lepidorbitoides sp. Sulcoperculina costeni, Cibicides harperi.



C O R E S   O N L Y

- 5713-5718 Core #17, more or less hard dense white limestone with Lepidorbitoides sp. (abundant), and smaller fossils (indeterminable cross-sections).
- 5718-5723 Core #18, same lithology; poorly fossiliferous.
- 5723-5728 Core #19, same limestone, argillaceous, poorly fossiliferous.
- 5728-5733 Core #20, Lepidorbitoides sp., Rotalids, (Sulcoperculina cosdeni?), others (indeterminable cross-sections).
- 5733-5738 Core #21, same.
- 5738-5743 Core #22, Same. Plus occasional spines of echinoids.
- 5743-5748 Core #23, Same. Plus occasional spines of echinoids.
- 5748-5753 Core #24, Same. Plus small Vaginulina or Margulinina sp.
- 5753-5758 Core #25, Same, Rotalids (Sulcoperculina cosdeni), Gumbelina ?, spines of echinoids, mollusks shells, tiny other fossils (cross-sections only).
- 5758-5763 Core #26, Same lithology. Lepidorbitoides sp., other fossils, small indeterminable (cross-sections).
- 5763-5768 Core #27, Same limestone, Lepidorbitoides sp. (abundant), Rotalids (? Sulcoperculina cosdeni), other small fossils (cross-sections abundant).
- 5768-5773 Core #28, Same. Lepidorbitoides sp., Rotalids (? Sulcoperculina cosdeni) (common)
- 5743-5778 Core #29, Chalky white foraminiferous limestone. Lepidorbitoides sp., small Rotalid (? Sulcoperculina cosdeni), spines of echinoid.
- 5778-5783 Core #30, Same.
- 5783-5793 Core #31, Same.
- 5793-5703 Core #32, Same.
- 5803-5813 Core #33, Same.
- 6074-6082 Core #34, Hard white very fossiliferous limestone. Fossils not identifiable (cross-sections) but no Lepidorbitoides and no Sulcoperculina.  
Beds of Taylor age
- 6082-6092 Core #35, Same.
- Core #36, Missing.
- 6280-6286 Core #37, Dense, more or less hard, fossiliferous limestone. Unidentifiable microfossils (cross-sections).
- 6286-6296 Core #38, White chalky fossiliferous limestone, imprint of small Costate Pelecypod, unidentifiable cross-sections, remains of small echinoids(?).
- 6296-6301 Core #39, Same, less hard.
- 6301-6306 Core #40, Same.

- 6614-6619 Core #41, More or less hard, dense, white limestone, fossiliferous, unidentifiable mega- and micro- fossils (cross-sections).
- 6619-6629 Core #42, Same.
- 6629-6639 Core #43, Same, with small spines of echinoids.
- 6930-6940 Core #44, Same (argillaceous).
- 6940-6950 Core #45, Same.
- 7250-7260 Core #46, Same; practically barren.
- 7260-7270 Core #47, Same; carrying algae.
- 7270-7280 Core #48, Same; practically barren.
- 7382-7387 Core #49, Brown, more or less hard limestone with ? echinoids (cross-section) (Beds of Austin age?)
- 7387-7392 Core #50, Same, less hard, with small algae (?)
- 7392-7397 Core #51, More or less soft, brown, algal limestone.
- 7397-7402 Core #52, More or less, soft, argillaceous, gypsiferous, gray limestone, small pelocyphods, ? algae, etc., (cross-sections).
- 7402-7407 Core #53, Same.
- 7407-7412 Core #54, Same.
- 7412-7417 Core #55, Same limestone, white, very fossiliferous, mainly mega-fossils (cross-sections of small shells).
- 7417-7427 Core #56, Same limestone, brown, indeterminate cross-sections of small mega-fossils.
- 7427-7430 Core #57, Same, small fossils scattered in matrix, indeterminate cross-sections.
- 7430-7435 Core #58, Same.
- 7435-7440 Core #59, Same, with microscopic crystals of pyrite.
- 7440-7450 Core #60, Same (no pyrite).
- 7450-7460 Core #61, Same, no fossils observed.
- 7460-7470 Core #62, Same. (Cross-sections of) tiny foraminifera.
- 7470-7480 Core #63, Change in color and hardness of rock. More or less hard, dense, argillaceous white limestone. Very microfossiliferous (cross-sections).
- 7480-7490 Core #64, Same limestone, with traces of small shells scattered in the matrix.
- 7490-7495 Core #65, Same.
- 7495-7502 Core #66, Same.
- 7502-7510 Core #67, Same. Richer in fossils (tiny cross-sections).

- 7510-7515 Core #68, Same.
- 7515-7520 Core #69, Same, (partly streaky)
- 7520-7530 Core #70, Same limestone, more less soft, dense, foraminifera ?, pelecypods ?, (indeterminable tiny cross-sections).
- 7530-7535 Core #71, Same.
- 7535-7540 Core #72, Same with traces of pyrite, with traces of tiny foraminifera and small pelecypods (indeterminable cross-sections).
- 7540-7545 Core #73, Same.
- 7545-7555 Core #74, Same, practically barren.
- 7555-7565 Core #75, Same. Some small shell fragments of pelecypods (?), scattered in matrix.
- 7569-7574 Core #76, Same.
- 7574-7584 Core #77, Same, practically barren.
- 7584-7594 Core #78, White, argillaceous, soft limestone. Practically barren.
- 7594-7600 Core #79, Same, with traces of shells (cross-sections).
- 7600-7609 Core #80, Argillaceous, soft, white limestone (fossils negligible).
- 7609-7619 Core #81, Same, with traces of needle shaped shells (?) (cross-sections).
- 7619-7625 Core #82, White, clayey limestone and light brown, harder limestone. Ostracods (?), Millioida (?)
- 7625-7635 Core #83, Soft, dense, white limestone with indeterminable Ostracods (cross sections).
- 7635-7645 Core #84, Soft, white limestone with needle shaped small shells (?) (cross-sections).
- 7645-7650 Core #85, White, clayey, friable, limestone, small shells, spines of echinoids, Ostracods(?).
- 7650-7658 Core #86, Same, unidentifiable, tiny fossils, small pelecypods (?).
- 7658-7668 Core #87, Same, Small pelecypods (?)
- 7668-7674 Core #88, Same, small pelecypods (?)
- 7749-7752 Core #89, Impure anhydrite (gypsum), Lower Cretaceous (?)
- 7752-7762 Core #90, Slightly calcareous anhydrite (gypsum) with trace of bitumen.
- 7762-7770 Core #91, Finely crystalline, argillaceous, gypsiferous limestone. ? Algae
- 7770-7774 Core #92, Anhydrite (gypsum), partly clayey, ? algae.
- 7774-7777 Core #93, Anhydrite (gypsum).

- 7777-7787 Core #94, Impure anhydrite (gypsum), calcareous, trace of bitumen; ? algae.
- Core #95 Missing
- 7790-7795 Core #96, Impure anhydrite (gypsum), trace of bitumen.
- 7795-7800 Core #97, Same.
- 7800-7808 Core #98, Finely crystalline, honey-colored, gypsiferous limestone with tiny foraminifera (?) and finely crystalline, porous, gypsiferous limestone.
- ✓ 7808-7818 Core #99, Anhydrite (gypsum) and gypsiferous miliolid limestone.
- 7818-7827 Core #100, Anhydrite (gypsum) and gypsiferous algal limestone.
- 7895-7898 Core #101, Slightly impure anhydrite (gypsum).
- 7898-7902 Core #102, Same, slightly calcareous, with ? algae.
- 7902-7912 Core #103, Slightly calcareous anhydrite (gypsum).
- 7912-7922 Core #104, (1) Gypsiferous, finely crystalline, honey-colored limestone with very scarce microfossils, indeterminable (cross-section).  
(2) Calcareous anhydrite (gypsum)
- 7922-7932 Core #105, (1) Same.  
(2) Same pieces: anhydrite (gypsum)  
Other pieces: miliolid limestone
- 7932-7942 Core #106, Anhydrite (gypsum)
- 7942-7947 Core #107, Slightly calcareous anhydrite (gypsum) with small ? algae.
- ✓ 7947-7952 Core #108, Same anhydrite with miliolids and ? algae.
- ✓ 7952-7954 Core #109, Flood of miliolids and ? algae in matrix of anhydrite (gypsum)
- ✓ 7954-7957 Core #110, Calcareous anhydrite (gypsum), with algae, miliolids, small gastropods. (all cross-sections)
- 7957-7964 Core #111, Slightly calcareous anhydrite (gypsum) with miliolids and algae.
- 7964-7974 Core #112, Same anhydrite (gypsum) with miliolids.
- 7974-7984 Core #113, Calcareous ? algae in matrix of selenite.
- 7984-7994 Core #114, Very hard algal limestone, gypsiferous, small foraminifera (cross-sections).
- 7994-8004 Core #115, Anhydrite (gypsum)
- 8004-8007 Core #116, Calcareous anhydrite (gypsum), with ? algae.
- 8007-8012 Core #117, Calcareous anhydrite (gypsum).
- 8291-8297 Core #118, Same with miliolids.
- 8297-8306 Core #119, Finely crystalline, hard, honey-colored limestone.

- 8306-8311 Core #120, Hard, algal (?) limestone.
- 8311-8321 Core #121, Light gray, argillaceous limestone with black specks (obscure mega-fossils), miliolids, algae, gastropods
- 8620-8630 Core #122, Impure anhydrite (gypsum).
- 8630-8640 Core #123, Same.
- 8912-8917 Core #124, Same.
- 8917-8927 Core #125, Chiefly anhydrite (gypsum), where calcareous with miliolids.
- 8927-8935 Core #126, Anhydrite (gypsum)
- 9235-9245 Core #127, Same.
- 9245-9255 Core #128, Same.
- 9255-9260 Core #129, Finely crystalline, dense, honey-colored limestone - gypsiferous.
- 9560-9570 Core #130, Limestone with small pelecypods (oysters ?)
- 9570-9580 Core #131, Anhydrite (gypsum)
- 9580-9590 Core #132, Same.
- 9884-9899 Core #133, Dense, unfossiliferous limestone.
- Core #134, Missing
- 9899-9904 Core #135, Anhydrite gypsum.
- 9904-9909 Core #136, Miliolids in streaky limestone.
- 10259-10269 Core #137, Miliolids, other small foraminifera, ostracods, spines of echinoids, Dictyoconus cf. walmutensis ?
- 10269-10274 Core #138, Gastropods in limestone, indeterminate cross sections.
- 10274-10279 Core #139, Limestone with miliolids, ostracods, small pelecypods and algae (all cross sections).
- 10279-10289 Core #140, Same, with miliolids, pelecypods, gastropods.
- 10600-10605 Core #141, Unfossiliferous.
- 10605-10610 Core #142, Practically barren.
- 10610-10620 Core #143, Dark spots on gray limestone, may represent obscure fossils, limestone more or less porous.
- 10894-10899 Core #144, Anhydrite (gypsum) with miliolids and pelecypods.
- 10899-10907 Core #145, Anhydrite (gypsum)
- 10907-10914 Core #146, Same. One piece with miliolids.
- 10914-10924 Core #147, Anhydrite (gypsum) and hard gray fossiliferous limestone with miliolids, gastropods and other fossils (indeterminate cross sections).

- 10924-10929 Core #148, Hard, gray, dense limestone, in parts with abundant miliolids.
- 11058-11068 Core #149, Hard, gray argillaceous limestone. 1 piece with tiny miliolids.
- 11068-11078 Core #150, Same with ostracods (common)
- 11115-11120 Core #151, Hard, streaky, argillaceous, gray limestone with miliolids and ostracods.
- 11120-11125 Core #152, Same limestone with ostracods scattered in the matrix.
- 11125-11131 Core #153, Some hard, streaky, argillaceous limestone with miliolids, ostracods and other small fossils (indeterminable cross sections).
- 11163-11169 Core #154, Anhydrite (gypsum).
- Core #155, Missing.
- 11202-11207 Core #156, Miliolid limestone with ostracods and small algae.
- 11207-11212 Core #157, Miliolid ? - or colitic limestone.
- 11212-11215 Core #158, Chiefly anhydrite, also limestone with miliolids (flood), and algae.
- 11215-11224 Core #159, Anhydrite (gypsum).
- 11255-11265 Core #160, Chiefly anhydrite (gypsum) with tiny miliolids (flood) and small ostracods.
- 11265-11275 Core #161, Gray limestone with small miliolids.
- 11275-11285 Core #162, Anhydrite and limestone with many small mollusks, chiefly gastropods; miliolids.
- 11285-11295 Core #163, Same lithology, with miliolids and maybe mollusks and algae (indistinct cross sections).
- 11295-11305 Core #164, Anhydrite (gypsum)
- 11305-11315 Core #165, Same.
- 11315-11325 Core #166, Same.
- 11325-11335 Core #167, Same.
- 11335-11339 Core #168, Same.
- 11339-11346 Core #169, Same.
- 11346-11356 Core #170, Same.
- 11356-11359 Core #171, Miliolid limestone with other small fossils (indeterminable cross sections).
- 11359-11369 Core #172, Anhydrite (gypsum)
- 11369-11377 Core #173, Finely crystalline, honey-colored, gypsiferous limestone; practically barren.
- Core #174, Missing.

- 11380-11383 Core #175, Unfossiliferous, dense limestone.
- 11383-11393 Core #176, Same limestone, practically barren.  
Core #177, Missing.
- 11403-11409 Core #178, Same, poor, miliolids.
- 11409-11419 Core #179, Same.
- 11419-11424 Core #180, Same, poor with Dictyoconus walnutensis, Miliolids.  
*not S.?*
- 11424-11426 Core #181, Same, Dictyoconus, miliolids (abundant)
- 11426-11431 Core #182, Same, Dictyoconus walnutensis, miliolids, small tests of other microfossils (cross sections).
- 11431-11434 Core #183, Same with Dictyoconus walnutensis, small ostracods, miliolids, small spines of echinoids.
- 11434-11437 Core #184, Same limestone, with some fossils.
- 11437-11441 Core #185, Same, with Dictyoconus walnutensis.
- 11441-11444 Core #186, Same, with Dictyoconus walnutensis and small gastropods.
- 11444-11449 Core #187, Same limestone with Dictyoconus walnutensis and miliolids (abundant).
- 11449-11454 Core #188, Same limestone, poor, miliolids.
- 11457-11467 Core #189, Blackish, argillaceous limestone, poor, with small miliolids.
- 11467-11473 Core #190, Same.
- 11473-11483 Core #191, Same (no miliolids).
- 11483-11493 Core #192, Same.
- 11493-11498 Core #193, Dark gray, streaky limestone.
- 11498-11503 Core #194, Same.
- 11503-11513 Core #195, Same, dark specks may mean obscured fossils.
- 11513-11523 Core #196, Same streaky limestone.
- 11523-11533 Core #197, Same limestone with miliolids, Orbitolina sp., Textularia, ostracods, shells of small pelacypods (cross sections).
- 11533-11538 Core #198, Same limestone, with Coskinolinoides sp., small gastropods.  
Core #199, Missing.
- 11540-11542 Core #200, Same limestone with Orbitolina concava tenuis (Roemer) (common),  
(Definitely Lower Cretaceous)
- 11542-11547 Core #201, Hard, gray, fossiliferous limestone with trace of bitumen. Small megafossils, algae and microfossils (all indeterminable cross sections).

- in Summary

- 11547-11552 Core #202, Streaky gray and black, fossiliferous limestone, fossils small indeterminate (cross sections).
- 11552-11557 Core #203, Blackish, gray, argillaceous, dense limestone, partly fossiliferous fossils indeterminate (small cross sections).
- 11557-11565 Core #204, Blackish-gray, argillaceous with small gastropods, ostracods, and other small fossils (indeterminate cross sections).
- 11565-11575 Core #205, Same limestone, in parts with algae.
- 11575-11580 Core #206, Same, with small gastropods, and ostracods. (Indeterminate cross sections).
- 11580-11585 Core #207, Same cross sections and millioids, etc.
- 11585-11595 Core #208, Same limestone with small mollusks and ostracods.
- 11595-11598 Core #209, Anhydrite (gypsum)
- 11598-11608 Core #210, Same.
- 11608-11618 Core #211, Same.
- 11618-11628 Core #212, Same.
- 11628-11638 Core #213, Same.
- 11638-11648 Core #214, Same and gray, argillaceous limestone with small mollusks (indeterminate cross sections).
- 11648-11658 Core #215, Anhydrite (gypsum)
- 11658-11668 Core #216, Same.
- 11668-11678 Core #217, Same.
- 11678-11683 Core #218, Same and miliolid limestone.
- 11683-11689 Core #219, Gypsiferous limestone with ostracods and other (indeterminate) microfossils and anhydrite (gypsum).
- 11689-11698 Core #220, Anhydrite (gypsum)
- 11698-11708 Core #221, Anhydrite (gypsum) and hard, gray, argillaceous limestone.
- 11708-11718 Core #222, Anhydrite (gypsum)
- 11718-11728 Core #223, Same.
- 11728-11738 Core #224, Same.
- Core #225, Missing.
- Core #226, Missing.
- 11758-11768 Core #227, Anhydrite (gypsum)
- 11768-11778 Core #228, Same.
- 11778-11788 Core #229, Same.



11783-11789 Core #230, Same.

SUMMARY

- 140-180 Pliocene and Hawthorn, undifferentiated  
 180-1000 Lower Miocene: Tampa limestone  
 1000-1400(1300) Oligocene  
 1400(1300)-1710 Middle Eocene Avon Park limestone  
 1710-(3721) Lake City and Oldsmar limestone, undifferentiated  
 3721-3800 No samples  
 380-4989 in Paleocene: Cedar Keys limestone  
 499-5577 No samples  
 (577)-5813 Upper Cretaceous: Lawson limestone  
 583-7674 Upper Cretaceous of Taylor and Austin age, undifferentiated  
 767-7749 No core  
 (79)-11789 (Bottom) Lower Cretaceous

Notes: Ocala limestone was not encountered in this well.

1300' possible top of Avon Park limestone.

1400' rich Avon Park fauna, (definite)

Lower Eocene/Paleocene } boundaries not covered  
 Paleocene/Upper Cretaceous } by samples (sample gaps)

DA-071

OWNER: Humble Oil and Refining Company  
 PAID NAME: Trustees Internal Improvement Fund  
 State No. 1  
 LOCATION: Cen. of NE $\frac{1}{4}$  of NW $\frac{1}{4}$  Sec. 30, T55S, R36E, about  
 40 miles W of Miami and 6 miles S of  
 Tamiami Trail  
 COUNTY: Dade  
 ELEVATION: 15' DF  
 STARTED: June 24, 1944  
 COMPLETED: March 7, 1945  
 DEPTH: 11,789'  
 CASING: 75.6' of 26"; 672' of 20"; 3809' of 13-3/8"  
 CONTRACTOR: Parker Brothers  
 USE: Oil Test. Dry and abandoned.  
 REMARKS: See file Humble Oil and Refining Company,  
 Trustees I.I. Fund No. 1. Also Dixie  
 Geological Service.

Dec. 28, 1944, D. B. Ericson brought in 178 cuttings  
 beginning at 3,811', ending at 9,164' and 111 cores (11-  
 124) beginning at 4,024' ending at 8,917'.  
 Feb. 5, 1945, John H. Davis, Jr., brought in 169 cutting  
 beginning at 140', ending at 2490' and 11 cores (1-13)  
 beginning at 2,700', ending at 3,810'.  
 Mar. 9, 1945, received from W. S. Launey, 1800 Monte  
 Vista, Ft. Myers, Fla., by express, 88 cuttings beginnin  
 at 9,102' ending at 11,789' and 101 cores (125-230) be-  
 ginning at 8,917' ending at 11,789'.  
 Information from these cuttings and cores confidential  
 for one year.

- 140-150 Calcareous shell sand (quartz rounded, coarse to very fine), fragments of  
 pelecypods, barnacles, gastropods, crab's claw, bryozoa spines of echinoids,  
 a few ostracods Nonion sp.
- 150-160 Same. Amphistegina gibbosa d'Orb the most conspicuous and frequent microfossil.
- 160-170 Same lithology, poor in organic remains, Elphidium sp.
- 170-180 Same. Badly reworked littoral fossils, small barnacles, etc.
- 180-190 Same lithology, some shell fragments, practically no microfossils.
- 190-200 Same.
- 200-210 Same, plus dark greenish-gray clay, less coarse quartz grains.
- 220-230 Same lithology, abundant fragments of mollusks, chiefly of pelecypods (Pecten),  
 bryozoa, echinoids. No microfossils.
- 230-240 Same lithology. Archaias of angulatus, Peneroplis sp. Barnacles, etc.
- 240-250 Proportionally less quartz. Proportionally more lime.
- 250-260 Same.
- 260-270 Same, sandy shell lime (1 Elphidium sp.) 1 Ostracod sp.
- 270-280, 280-290 Same, with shiny black nodules of phosphate conspicuous.
- 290-300 Same, with dark green clay. Amphistegina sp. Elphidium fimbriabulum Cush.
- 300-310 Same but relatively more and coarser quartz, no microfossils.
- 310-320 Same. 1 Elphidium fimbriabulum.
- 320-330 Same, calcareous (shell) sandstone with phosphate nodules and dark green pellets  
 of clay. No microfossils.
- 330-340 Same, the dark green clay being fossiliferous. Buliminella elegantissima  
Angulogerina occidentalis, Anomalina sp. (common) Virgulina sp., Globigerina sp.,  
 Miocene.
- 340-350 Same, less shelly material. 1 vertebrum of fish.
- 350-360 Chiefly quartz sand. Very little shell material admixed. Coarser quartz grains,  
 rounded. Buliminella elegantissima, Nonion pizarrensis, Anomalina sp., Virgulina  
 sp.
- 360-370 Fragments of pelecypods, bryozoa. About 90% fine quartz;
- 370-380 phosphate nodules, dark green clay, fish remains.
- 380-390 Same, somewhat more phosphatic.

- 390-400 Same, same tiny foraminifera (Buliminella, Anomalina) 1 Bolivina sp.  
 400-410 Same. Gyroldina sp.  
 410-420, 420-430 Same, with more fish remains.  
 430-440 Same. More than 95% fine quartz; phosphate nodules, fish remains, dark greenish clay.  
 440-450 Same. Cibicides cf americanus, Cibicidella sp.  
 450-460 Same, with more Miocene species of small foraminifera Textularia, Dyocibicides, biseriatis, Cibicides, Bolivina, etc.  
 460-470 Quartz sand with phosphate, green clay and fish remains.  
 470-480 Same, foraminiferous, Cassidulina cf crassa, Planulina cf depressa, Uvigerina peregrina, miocene species of Globigerina, Anomalina basiloba.  
 480-490 Lithologic change from calcareous sandstone to porous white sandy limestone: with fragments and moulds of mollusks, fish remains (bones and teeth), bryozoa, and spines of echinoids (scarce) Tampa limestone, Lower miocene. Globulina gibba, Dictyoconus cookei.  
 490-500 Same. Quartz, very fine.  
 500-510 Same, white sandy fossiliferous limestone Nonion grateloup:  
Uvigerina sp.  
Globigerina sp.  
Cibicides sp.  
Nonionella sp.  
Bolivina cf gunteri  
Textulariella barrettii  
 510-520 Same, with porous limestone, coarser quartz grains frosted and rounded. Globigerina sp. Textulariella sp.  
 520-530 Same, fragments of pelecypods and of echinoids.  
 530-540 Same, with larger-sized phosphatic nodules and increased proportion of gastropods.  
 540-550 Same large size pebbles of quartz and phosphate (up to  $\frac{1}{2}$ " ), no fine quartz.  
 560-570 White sandy porous limestone with microscopic phosphate; bryozoa, pelecypod fragments.  
 570-580, 580-590 Same.  
 590-600 Same. Bryozoa (large) moulds of gastropods, pelecypod fragments, trace of marine worms. Nodosaria cf longiscaba. Very tiny foraminifera.  
 600-610 Same. Sandy limestone with fragments of pelecypods (pecten), casts and moulds of gastropods, and bryozoa, coarse rounded quartz and fine angular quartz. No microfossils.  
 610-620 Same. Quartz very fine.  
 620-630 Same, with Archaias floridanus (fragment).  
 630-640, Same, chiefly moulds and casts of gastropods, fragments of  
 640-650 pectinids, bryozoa and of echinoids.  
 650-660 Same. No bryozoa. Tiny foraminifera.  
 660-670 Same, moulds of mollusks common, casts of worm trails (?) Sorites sp (3), Amphistegina sp.  
 700-710, 710-720 Same, with Amphistegina chipolensis and Archaias floridanus.  
 720-730, 730-740 Same, with plates of small echinoids.  
 740-750 Siliceous limestone with moulds and casts of mollusks as above and with fairly large spines of echinoids.  
 750-760, Same with Elphidium chipolense (1) Amphistegina sp. (1)  
 760-770  
 770-780 Same, Amphistegina, chipolensis (common)  
 780-790, 790-800 Same, moulds of mollusks, spines of echinoids, amphistegina, Eponides sp  
 800-810, Same, Archaias floridanus (1).  
 810-820 Casts and moulds of mollusks.  
 820-830, 830-840 Same. Quartz less amorphous, more finely crystalline,  
 840-850 Sorites sp.  
 850-860, 880-890, 890-900 Same, sandy limestone with casts of pelecypods (pectenids) and gastropods. Quinqueloculina sp.  
 900-910 Same, sandy white limestone with tiny black specks probably of phosphate, shell fragments of mollusks, Sorites sp., Elphidium chipolense, echinoid spines, fish remains.  
 910-920, 920-930, 930-940,  
 940-950 Same, Archaias floridanus, spine of echinoid.

Amphistegina sp., phosphatic fish remains.

- 950-960 Same, very fine sandy limestone (or calcareous sandstone) phosphate particles very small and mostly phosphatic organic remains. Small crystalline quartz.
- 960-970 Same. Sorites sp. (1), barnacle (1), cast of worm trail, flat echinoid sp. Some tiny undiagnostic foraminifera.
- 970-980 Same, bryozoa, pecten (caved in?)
- 980-990 Same lithology. Calcareous algae (scarce).
- 990-1000 Same. Sorites sp., pelecypod fragment (1).
- 1000-1010 White very sandy fine grained sandy limestone with very small particles of phosphate, Miogypsina sp Oligocene.
- 1010-1020 Same lithology, casts of pelecypods, bryozoa, 1 barnacle, 1 Sorites sp., 1 Dictyoconus cookei.
- 1020-1030 White fine grained sandy limestone with fragments of bryozoa, flat echinoid. No phosphate.
- 1030-1040 Same, with fragments and moulds of pelecypods, gastropods, and bryozoa; Pyrgo sp
- 1040-1050 Same Lithology. Few fossils.
- 1050-1060 Same. Miogypsina.
- 1060-1070 White finely sandy limestone.
- 1070-1080 Same, with some Miogypsinas.
- 1080-1090 Same, white porous well cemented sandy limestone. Several bryozoa, casts of pelecypods. Miogypsina (?)
- 1090-1100 Same. Bryozoa, fragments of pelecypods, spines of echinoids, Miogypsina.
- 1100-1110 White sandy limestone, less sandy than higher up. Bryozoa, echinoid fragments, calcareous algae (scarce).
- 1110-1120, 1130-1140, 1140-1150, 1150-1160, 1160-1170, 1170-1180, 1180-1190, 1190-1200 Same, with Miogypsina, Pyrgo sp. (1).
- 1200-1210, 1210-1220 Same white limestone with fragments of pelecypods (pecten), bryozoa, Miogypsina, very flat echinoid, (algae?)
- 1220-1230 Same. Miogypsina cf. venezuelina.
- 1230-1240 Same. Remains of echinoids (spines, etc.) common; fragments and casts of mollusks, bryozoa.
- 1240-1250 Same lithology, with crab's claw, Ostrea sp. (small), Miogypsina sp. (2), Globovalvia sp. (1)
- 1250-1260 Brownish limestone, chiefly composed of organic remains, algae, etc.
- 1260-1270 Whitish limestone, chiefly composed of algae and bryozoa Dictyoconus cookei (common)
- 1270-1280 Same. Algae, bryozoa, casts of mollusks, spines of echinoids, Dictyoconus (fewer). Textularia sp.
- 1280-1290 Same lithology. Algae, internal casts of pelecypods, gastropods, crab's claw, fish tooth. Heterostegina texana.
- 1290-1300 Algal limestone.  
Dictyoconus cookei (several)  
Heterostegina texana  
Gastropod (cast)  
Bryozoa
- 1300-1310 Same, algal limestone with fish remains, Dictyoconus cookei Rotalia avonparkensis  
Avon Park limestone (or Oligocene)?
- 1310-1320 Same lithology; algae, remains of echinoids, 1 (negative of) a coral.
- 1320-1330 Same.
- 1330-1340 Change of fauna, rich miliolid fauna.  
Coskinolina sp., Reussella sp., Miogypsina cf hawkins, Discorbis,  
Spirolina coryensis
- 1340-1350 Same algal limestone, fauna poor.
- 1350-1360 Same algal limestone.
- 1360-1370 Same algal limestone; algae, Dictyoconus cookei. Sorites sp. (1).
- 1370-1380 Tan sugary sandy (algal?) limestone with tiny specks of shining phosphate.
- 1380-1390 Same.
- 1390-1400 Algal limestone with miliolids, Rotalia, Valvulina floridana, Dictyoconus.
- 1400-1410 Typical Avon Park limestone, a miliolid limestone, the miliolids in a crystalline matrix.

Coskinolina floridana    Flintina avonparkensis    Spirolina coryensis  
Lituonella floridana    Pseudochrysalidina, sp.    (common)



- 3510-3600 No samples.  
 3600-3610 Core #11, light brown finely crystalline gypsiferous dolomite.  
 3610-3711 No samples.  
 3711-3721 Core #12, light brown, hard, gypsiferous, sugary dolomite.  
 3721-3800 No samples.  
 3800-3810 Core #13, Top: Anhydrite. Possibly Cedar Keys limestone.  
 Bottom: Dolomite with anhydrite.  
 3811-3812 Sample contaminated by cavings (much cement) (Avon Park foraminifera.)  
 3842-3872 Same. Anhydrite.  
 3872-3902 Same.  
 3906-3936 Same (less contaminated).  
 3936-3966 Light gray limestone and anhydrite (still contaminated).  
 3967-3998 Gypsiferous limestone, anhydrite, foraminiferous, Borelis sp. (?).  
 3998-4029, 4029-4059, 4059-4091 Very gypsiferous limestone. Anhydrite.  
 4122-4153 Same. Borelis gunteri, Planispirina (?), Kissingenensis (almost a calcareous gypsum).  
 4153-4184, 4184-4214 Same, almost barren (unfossiliferous).  
 4216-4247 Same, (some gray clay).  
 4247-4277, 4277-4308, 4308-4339 Same, calcareous anhydrite (gypsum) unfossiliferous.  
 4339-4369, 4370-4402 Same, foraminiferous, but same species as above (i.e. indicating Cedar Keys limestone.)  
 4402-4432 Same, foraminifera (Borelis(?) miliolids (?) badly preserved).  
 4432-4462 Very gypsiferous limestone with miliolids.  
 4464-4495 Same. Planispirina (?) Kissingenensis Valvulamina nassauensis  
 4495-4526 Same.  
 4526-4556 Same very gypsiferous, more or less porous fossiliferous limestone.  
 4556-4586 Same, with Coskinolina elongata. Planispirina (?) Kissingenensis.  
 4588-4619 Same, with Coskinolina elongata. Criboospira (?) Cushnellensis.  
 4619-4649, 4649-4680 Same.  
 4680-4711 Same, less foraminiferous (no Coskinolinas).  
 4711-4743 Same.  
 4743-4773, 4773-4803 Same, foraminiferous but specimens in bad shape.  
 4805-4834, 4834-4865, 4865-4895, 4895-4925, Valvulamina nassauensis.  
 4927-4958, 4958-4989 Same. Borelis sp.  
 4989-5577 No samples.  
 5577-5600 Brown sugary more or less porous limestone; white dense limestone, foraminiferous Foraminifera badly preserved. Lepidorbitoides sp. Sulcoperculina cosdeni, spines of echinoids Upper Cretaceous. Lower, Lawson limestone.  
 5606-5636 Same, gypsiferous.  
 5636-5667, 5667-5697, 5697-5727 Same lithology and fauna.  
 5698-5708 Core #15, white chalky limestone with Cibicides harperi (Sandidge)  
 5708-5713 Core #16, Same.  
 5713-5744 White chalky limestone and sugary honey-colored limestone. Lepidorbitoides sp. Sulcoperculina cosdeni, Cibicides harperi.

#### CORES ONLY

- 5713-5718 Core #17, more or less hard dense, white limestone with Lepidorbitoides sp. (abundant), and smaller fossils (indeterminable cross-sections).  
 5718-5723 Core #18, same lithology; poorly fossiliferous.  
 5723-5728 Core #19, same limestone, argillaceous, poorly fossiliferous.  
 5728-5733 Core #20, Lepidorbitoides sp., rotalids (Sulcoperculina cosdeni?) others (indeterminable cross sections).  
 5733-5738 Core #21, Same.  
 5738-5743 Core #22, Same. Plus occasional spines of echinoids.  
 5743-5748 Core #23, Same. Plus occasional spines of echinoids.  
 5748-5753 Core #24, Same. Plus small Vaginulina or Marginulina sp.  
 5753-5758 Core #25, Same, rotalids (Sulcoperculina cosdeni).  
Bumbelina? spines of echinoids, mollusk shells, tiny other fossils (cross-section only).