

# Core description

P269

FLA-GL-OT-2

- 9332-32.5 | Mbng qry, crypto, hard, tight, dense ls
- 9332.5-39 | dk qry - dk bng qry, crypto, hard, tight, dense bio ls w/ numerous ls; s.f. has 1 thin layer of blk, hard, blocky, waxy sh + Mbng, micro, hard, tight, dense bio ls w/ s.f. calcified by bng crystals calcite crypto mbr sl.
- 9339-46 | dk bng, micro, hard, tight, dense ls w/ good oil show
- 9346-48 | do just some oil
- 9348-51 | Mbng, micro, hard, tight, dense ls w/ some calcified s.f. & oil show
- 9351-52 | Mbng, micro, hard, tight, dense ls w/ a band of dk qry asphaltic material. Outer surface of core completely covered w/ asphalt.
- 9352-55.5 | do
- 9355.5-56 | dk bng, micro, hard, tight, dense ls w/ abund. oil stain
- 9356-62 | Vdk qry, micro, hard, tight, dense ls w/ scars, small wh s.f. Bleaches to bng qry on contact w/ HCl
- 9362-63 | Mbng qry, micro, hard, tight, dense bio ls w/ ls. s.f. calcified by crystals bng, sub calcite crystals. Abund oil stain & odor
- 9363-66 | Intb. Mbng qry, micro, hard, tight, dense ls & dk qry, fissile, hard, dense, tight sh contains s.f. & wh ls lenses. ls bed 1.5" thick, sh is up to 1/4" thick
- 9366-67 | lt bng, M crystals, hard, dense, tight ls w/ ls calcified s.f.
- 9367-70 | tan, vfgry, hard, tight, dense ls w/ areas of wh crystals calcite & a few blk microstylolites
- 9370-73 | lt qry, micro, hard, dense foss ls w/ areas of wh crystals calcite & Fe. oil stain
- 9373-75 | tan, micro, hard, tight, dense ls w/ calcified foss frags & areas of wh crystals calcite where asp. is present

9375-80 | lt gray, microhard, porous ls w/ lg-small foss frags replaced by clear Crystals  
enh Anh

9380-90 | lt gray, microhard, porous ls, chy In foss frags

9390-14 | buff, microhard, porous foss ls, slightly chy. Some of foss frags replaced  
by tiny Crystals, enh Anh Also Abund small wh foss.

9416-22 | do

10,660-62 | M gray, microhard, tight, dense od ls w/ many od & spaces b/w them filled w/  
lt gray, Crystals Anh.

10,662-65 | lt gray, microhard, tight ls w/ many lg lenses of lt gray, microhard, dense Anh  
+ lt gray, microhard, dense, foss ls w/ wh microhard Anh lenses & streaks of  
dk gray, hard, dense, calc sh

10,665-70.5 | lt gray, microhard, tight, highly foss ls A few microcrystallites

10,670.5-75 | M gray, hard, dense, tight, blocky, highly calc sh

10,675-76 | M gray, microhard, tight, foss ls w/ a lens of dk gray, hard, dense, blocky, highly calc sh

10,676-80 | buff, microhard, tight, highly foss ls w/ wh-bry Crystals enh Anh replace many foss  
& much of the ls matrix.

10,680-84 | lt gray, microhard, tight ls w/ patches of highly foss ls. Scarc small pods of  
clear Crystals Anh

10,684-86.5 | lt gray, microhard, porous dol w/ many small pods of Crystals Anh

0,686.5-90.5 | M gray, hard, dense, tight, highly calc sh

0,690.5-95.5 | buff, microhard, porous, highly foss ls w/ widely scarp. small pods of Anh

0,695.5-97 | M gray, hard, tight, dense, <sup>AREAL LS,</sup> ~~light, calc, blocky, sh~~

0,697-92.5 | do

0,702.5-13.5 | lt gray, micro, soft, hard, dense, tight ls w/ foss lenses & streaks - v ang.

- 10,713.5-16.5 | Itqry, micro, hard, dense Anh w/ lenses & stringers of Mnqy, dense, tight, hard, highly caly, blocky sh
- 10,716.5-22 | Mnqy, micro, hard, tight, dense ls w/ many dk bny, Crystals Anh xrtals
- 10,722-24.5 | Mnqy, micro, hard, dense dol w/ many small, Crystals Anh xrtals stained reddish bny
- 10,724.5-28 | Itqry, micro, hard, dense Anh w/ lenses & stringers of Itqry, micro, hard, porous dol
- 10,728-29 | Itqry, fairly hard, micro, porous, Arg, dol
- 10,729-32 | Itqry, fairly hard, micro, porous, dolc ls w/ a zone of overl, bny, Crystals Anh xrtals probably replacing fossils & foss frags
- 10,732-34 | Itqry, micro, fairly hard, porous, Arg dol w/ a darker zone of highly Anhyd dol AT the top & bottom of the core sample. Anhyd zones are Mn xrtals
- 10,734-40.5 | Itqry, micro, fairly hard, porous, Arg ls containing abund blk micr foss material that has been completely replaced by Anh
- 10,740.5-45.5 | Itbny, v. Crystals, hard, fairly tight, dense dol w/ v. small pods of clean-bny, Crystals Anh xrtals disseminated
- 10,745.5-47 | Itqry, micro, hard, porous ls w/ dk grey specks scatt. throughout
- 10,747-48 | Intensity of Mbny, micro, hard, porous, highly foss ls & Mnqy, micro, hard, porous, slightly ls. Anh is replacing many foss. One lg. lens of Itqry, micro, dense Anh. Many microstylolites (blk) running through highly foss ls. Small pods & stringers of clean, Crystals Anh throughout
- ↑ RUBBY LS ↑
- 10,748-50 | Itbny, qry, micro, porous, fairly hard, highly foss ls. Foss are small, wh & chy
- 10,750-52 | buff, micro, fairly hard, porous ls w/ an abundance of v. <sup>small</sup> calcitized s.f. Calcite ls w/ Itqry, sub, Crystals. A few microstylolitic streaks
- 10,752-56.5 | Mbny, fairly hard, porous, anhyd dol
- 10,756.5-60 | Itbny, qry, micro, hard, fairly tight, dense ls w/ dk grey, small foss some replaced by Crystals Anh

10,760-63.5 | Lt grey, micro, porous, fairly hard, slightly foss dol w lenses of slightly darker grey, micro, fairly hard, porous, highly foss dol. In each rock, the small foss are replaced by dk grey, Crystals, Anh.

10,763.5-66.5 | Lt grey, micro, fairly hard, porous arg dol w numerous dk grey foss remains  
10,766.5-69 | do

10,769-89.5 | 2 pieces. ① Mbnrg, fgnrg, hard, fairly tight, dense, highly foss ls w lg. sub, Anh crystals disseminated. ② Lt grey, micro, hard, porous, dense, v slightly foss ls w v irregular, thin, blk, hard, blocky sh streaks

10,789.5-94.5 | buff, micro, hard, porous ls w abund sub parallel, discontinuous, blk (sh?) streaks. 1 corner is darker grey & highly foss. A second piece is ltbnrg, micro, hard, porous, Arg dol

10,794.5-01 | buff, micro, hard, porous, chy ls w abund lg-small Crystals fossil frags

10,801-02 | Mbnrg, v crystals, hard, porous dol w a small amt of Anh disseminated

10,805-16 | buff, micro, fairly hard, porous, chy, slightly foss ls w numerous blk stylolites. Some lenses & pods of whltbnrg, Crystals calcite (probably replacement of lg-small foss frags)

0,816-17.5 | Lt grey, micro, porous, fairly hard, Arg ls w irregular v small, blk sh streaks & a few foss

0,817.5-25 | dk grey, hard, tight, dense, blocky, highly calc sh w a few small foss

0,825-27 | do more foss than above O. top Crystals, crystals

0,827-35 | buff, micro, hard, porous, Arg ls w some highly foss areas

0,835-36.5 | Mbnrg, micro, hard, tight, dense ls w scatt foss & thin, irregular, blk sh streaks. Some replacement of foss material by clear, Crystals calcite

0,838.5-40 | Mbnrg, micro, hard, tight, dense, foss ls w replacement of foss by clear, Crystals  
Anh

0,840-48.5 | Lt grey, micro, fairly hard, tight, dense, Arg, slightly foss ls w irregular v thin blk sh streaks

10,868.5-72 | Mbn, cryptg, hard, tight, dense, slightly foss ls w/ Abund clusters of bn, Crnals  
Auh rials

10,872-75 | Itgn, murg, hard, porous, ans, slightly foss ls

10,875-90 | Itgn, murg, hard, dense, auh w/ small lenses & patches of Itgn, set, micr dol

P269

GL-OT-2  
#1 Lykes Bros  
Paleo

|           |  |            |
|-----------|--|------------|
| 0-125     | No Sample  |            |
| 125-40    | Lithic Miocene   |            |
| 530-60    | Aurila Conradi   |            |
| 560-90    | Miocene Ostracoda  | Miocene    |
| 590-620   | " " , incl. Hemicythere Amygdula   |            |
| 620-50    | " " , reworked Dictyoconus   |            |
| 800-30    | Major Lithic change  |            |
| 830-60    | Large Lepidocyclina Prominent  | Oligocene? |
| 900-10    | Sulcoperculina Sp.<br>Camerina Sp.<br>Heterostegina Sp.<br>Saddle-shaped Lepidocyclina | Jackson    |
| 1130-40   | Lithic Claiborne   |            |
| 1160-70   | Rod-shaped Algae   |            |
| 1380-1410 | " " Dictyoconus Sp.<br>Still Claiborne to 2190'  | Claiborne  |
| 2190-4530 | N/S<br>Start Midway ± 4500' - Top of big Anhydrite.                                    |            |
| 5000-30   | Borelis Gunteri (In Dolomite)  | Midway     |
| 5240-70   | " " common   | "          |

GL-OT-2  
#1 Lykes Bros  
Paleo

|            |  |              |
|------------|--|--------------|
| 5720-50    | Lithic U. K.   |              |
| 8180-8210  | Lithic Washita. Green Pencil Shale   |              |
| 9420       | Lithic Fredericksburg  |              |
| 10,794-801 | Orbitolina Texana  | Trinity      |
| 10,825-27  | Orbitolina Texana<br>Coskinolina Sunnilandensis<br>Fabanella Sp.<br>Dolocytheridea Sp.<br>Cytherella Sp. | Trinity<br>" |
| 10,827-35  | Orbitolina Texana<br>Coskinolina Sunnilandensis  | Trinity<br>" |

FWA-GL-2

P269

W-4750  
Driller's Log

OWNER : Amerada Petroleum Corporation  
 FARM NAME : #1 Lykes Brothers, Inc.  
 LOCATION : 660' from N line, 1980' from E line,  
 sec. 1, T41S, R30E  
 COUNTY : Glades  
 ELEVATION : 54' Df 39' Grd.  
 STARTED : May 13, 1958  
 COMPLETED : July 19, 1958  
 DEPTH : 10,993' Drlr. 10,990' Sch.  
 CASING : 30" at 120' w/150 sks; 16" at 821'  
 w/1000 sks; 11-3/4" at 4507' w/500  
 sks.  
 USE : Test for oil - dry and abandoned  
 REMARKS : 354 samples, 125-10992', and 64 cor  
 9332-10890', sent in by Tallahassee  
 Sample cut on Oct. 3, 1958

|             |                        |                                    |
|-------------|------------------------|------------------------------------|
| 0-58'       | Sand and shells        |                                    |
| 58-253      | Shale and shells       |                                    |
| 253-459     | Lime and marl          |                                    |
| 459-1042    | Lime and shale         |                                    |
| 1042-1670   | Lime and dolomite      |                                    |
| 1670-1755   | Dolomite               |                                    |
| 1755-1776   | Dolomite and boulders  |                                    |
| 1776-2439   | Dolomite               |                                    |
| 2439-3058   | Dolomite and lime      |                                    |
| 3058-3128   | Anhydrite and dolomite |                                    |
| 3128-3714   | Dolomite               |                                    |
| 3714-4090   | Dolomite and lime      |                                    |
| 4090-4520   | Dolomite               |                                    |
| 4520-5184   | Anhydrite and lime     |                                    |
| 5184-6082   | Dolomite and lime      |                                    |
| 6082-7121   | Chalk                  |                                    |
| 7121-7521   | Chalky lime            |                                    |
| 7521-8138   | Lime and dolomite      | 10312-10343 Anhydrite and dolomite |
| 8138-8555   | Shaly lime and shale   | 10343-10440 Dolomite and lime      |
| 8555-9173   | Dolomite and anhydrite | 10440-10484 Anhydrite and lime     |
| 9173-9270   | Anhydrite and lime     | 10484-10507 Dolomite and lime      |
| 9270-9305   | Anhydrite and dolomite | 10507-10890 Lime and dolomite      |
| 9305-9500   | Lime                   | 10890-10993 Anhydrite and lime     |
| 9500-9550   | Dolomite and lime      | 10993 - Total Depth                |
| 9550-9627   | Anhydrite              |                                    |
| 9627-9834   | Anhydrite and lime     |                                    |
| 9834-10184  | Lime and dolomite      |                                    |
| 10184-10312 | Anhydrite and lime     |                                    |



FLOPIDA BUREAU OF GEOLOGY - LITHO LOG PRINTOUT

W- 4750

GLADES CO. T41S R30E SEC 1 26 56 39 N 81 16 27 W  
TOTAL DEPTH-10990 FT. ELEV.- 39 FT. SAMPLES- FT.  
COMPLETED- 58. 7.16 DEPTH WORKED 6900 FT.

OTHER GEOPHYSICAL LOGS AVAILABLE -

ELECTRIC

WELL NAME-  
AMERADA PETROLEUM CORP., LYKES BROS., INC. NO. 1  
REMARKS-  
DESCRIPTION BY CHIUH SHAN CHEN, 1963  
0 - 770

STRATIGRAPHIC FORMATIONS -

770.0- 900.0 OLIGOCENE  
900.0- 1115.0 OCALA GROUP  
1115.0- 1450.0 AVON PARK LIMESTONE  
1450.0- 2370.0 LAKE CITY LIMESTONE  
2370.0- 3715.0 OLSMAR LIMESTONE  
3715.0- 5300.0 CEDAR KEYS LIMESTONE  
5300.0- 5301.0 LAWSON LIMESTONE  
BOTTOM OF LAWSON FORMATION UNSPECIFIED.

\*\*\* END OF DATA \*\*\*

FLA-66-2

W-4750

H. S. Puri (23/2/58)

P269

PERMIT #269

OWNER : Amerada Petroleum Corporation  
FARM NAME : #1 Lykes Brothers, Inc.  
LOCATION : 660' from N line, 1980' from  
E line, Sec. 1, T41S, R30E.  
COUNTY : Glades  
ELEVATION : 54' Df. 39' Grd.  
STARTED : May 13, 1958  
COMPLETED : July 19, 1958  
DEPTH : 10,993' Drlr. 10,990' Schl.  
CASING : 30" at 120' w/150 sks; 16" at  
821' w/1000 sks; 11-3/4" at  
4507' w/500 sks.  
USE : Test for oil - dry and abandon  
REMARKS : 354 samples, 125-10992', & 64  
cores, 9332-10890' sent in by  
Tallahassee Sample cut on Oct.  
3, 1958.

0-125 No samples.

HAWTHORN FACIES

125-140 Gray, calcareous sandstone; sand grain medium to fine, subangular, some frosted; with sandy clay.  
140-170 Olive green sandy clay; some sand (probably cavings).  
170-200 Green and steel-gray sandy clay  
200-230 Same as above with calcareous sandstone; some fragments of shells and corals; some phosphorite present.  
230-260 Same.  
260-290 Olive green clay, blocky and calcareous sandstone; some phosphorite.  
290-320 Light gray siltstone with specks of phosphate; occasional molds of mollusks.  
320-350 As above with some small pebbles of phosphate.  
350-380 As above with some greenish clay with pea-size pebbles of phosphate.  
380-410 Light gray to cream colored siltstone and clay with few specks of phosphorite.  
410-440 As above with some casts of mollusks.  
440-470 Siltstone as above and phosphatic sandstone; concentration of phosphate; molds of mollusks.  
470-500 As above.  
500-530 As above.  
530-560 Cream colored siltstone with specks of phosphorite and sand.  
560-590 As above and fragmental limestone, fossiliferous, microcoquinoid, phosphatic.  
590-620 As above.  
620-650 Cream colored siltstone with pebble phosphate; molds and casts of mollusks.  
650-680 As above and gray phosphatic sandstone.  
680-710 As above.  
710-740 As above.  
740-770 As above and olive green plastic clay.

### SUWANNEE LIMESTONE

- 770-810 Cream colored fragmental limestone, microcoquinoid in places, fossiliferous.
- 810-830 As above.
- 840 (spot sample) Cream colored fragmental limestone, microcoquinoid, calcitic in places.
- 830-860 As above with Lepidocyclina supra.
- 860-889 Tan dolomite and limestone as above.
- 889-900 Tan sugary dolomite.
- 900-910 Tan dolomite and cream colored fragmental limestone. Lepidocyclina spp.

### CRYSTAL RIVER FORMATION

- 910-920 White chalky limestone; Lepidocyclina ocalana vars.
- 920-930 As above.
- 930-940 White chalky, microcoquid limestone; Lepidocyclina ocalana vars; Operculinoides ocalana.
- 940-950 As above with typical Crystal River fauna.
- 950-960 As above.

### WILLISTON FORMATION

- 960-970 White chalky limestone with Operculinoides moodybranchensis.
- 970-980 White chalky limestone with Operculinoides moodybranchensis, Operculinoides wilcoxi, Heterostegina ocalana.
- 980-990 Tan, sugary, dolomite.
- 990-1000 As above with molds of ? Lituonella.
- 1000-1010 As above with fragments of Lepidocyclina sp. in dolomitic matrix.
- 1010-1020 As above.
- 1020-1030 As above.
- 1030-1040 As above with molds of Foraminifera.
- 1040-1050 As above with Lepidocyclina sp.
- 1050-1060 As above.
- 1060-1070 As above with Operculinoides moodybranchensis in dolomite matrix.

### INGLIS

- 1070-1080 Honey colored dolomite with inherent granularity.
- 1080-1090 As above.
- 1090-1100 As above with Operculinoides moodybranchensis.
- 1100-1110 Cream colored, unfossiliferous dolomite.

- 1110-1120 No sample  
1120-1130 Cream colored dolomite, unfossiliferous.  
1130-1140 Dolomite as above and white fragmental limestone.  
1140-1150 As 1130-1140.

AVON PARK FORMATION

- 1150-1160 Bluish-white fragmental limestone with Lituonella floridana, and typical Avon Park fauna.  
1160-1170 Bluish-white limestone mostly a coquina of Foraminifera.  
1170-1220 As above.  
1230-1260 As above.  
1260-1290 As above.  
1290-1320 As above

LAKE CITY LIMESTONE

- 1320-1350 Tan, fragmental limestone mostly a coquina of Foraminifera.  
1350-1380 As above with Dictyoconus americana; Lituonella floridana and millioids.  
1380-1410, 1410-1440, 1440-1470, 1470-1500 As above.

LAKE CITY LIMESTONE

- 1500-1530 As above and brecciated limestone and calcite in clay matrix.  
1530-1560 Cream colored limestone with Dictyoconus americanus.  
1560-1590, 1590-1620, 1620-1680, 1680-1710 As above.  
1710-1740 Brownish gray, dense, dolomite and abundant crystals of calcite. Dictyoconus americana common.  
1773 (Soft sample) As above.

P269

W-4750  
WGI-41S-30E-1 aa  
Joe Banks

OWNER : Amerada Petroleum Corporation  
 FARM NAME : #1 Lykes Brothers, In.  
 LOCATION : 660' from N line, 1980' from E line,  
 Sec. 1 T41S, R30E  
 COUNTY : Glades  
 ELEVATION : 54' Df, 39' Grd.  
 STARTED : 5/13/58  
 COMPLETED : 7/19/58  
 DEPTH : 10,993' Drlr. 10,990' Schl.  
 CASING : 30" at 120' w/150 sks; 16" at 821' w/1000  
 sks; 11-3/4" at 4507' w/500sks.  
 USE : Test for oil - dry and abandoned  
 REMARKS : 354 samples, 125-10,990' and 64 cores,  
 9332-10,890', sent in by Tallahassee  
 Sample cut on 10/3/58. DL, Schlumberger  
 Microlog, Laterolog, Gamma Ray-Neut-  
 ron, Baroid, Drill stem test

Dup. Smpls. & Cores in wrhs.  
4-15-75

- 125-130 SHALE, light gray, clay, sandy, very fine grained.
- 130-150 SHALE, greenish-gray, clay micaceous, sandy, dolomitic, very fine
- 150-165 SAND, light brown, dolomitic, cemented in part, very fine.
- 165-190 SHALE, dark greenish-gray, spotted, Clay, phosphatic, very fine.
- 190-240 SAND, light brown, greenish-gray to light gray, dolomitic, calcitic, little clay, phosphate pebbles, cemented in part dense, fossiliferous; Balanus, Pectens, Echinoides
- 240-250 DOLOMITE, light brown, cemented in part, dense, sandy
- 250-260 SAND, gray, as above, shell
- 260-300 SHALE, dark greenish-gray, clay, calcitic, sandy very fine grained
- 300-330 DOLOMITE, light gray to white, clay, phosphate pebbles, few shells, very fine grained, vuggy; Bryozoa
- 330-350 SHALE, light gray, clay, phosphate pebbles few sandy, very fine grained
- 350-370 LIMESTONE, speckled, phosphate pebbles, calcitic, sandy, cemented in part, very fine grained, shelly
- 370-410 SHALE, light gray, clay, dolomitic, phosphate pebbles, sandy, very fine grained, porous; shark's teeth, Ostracods

- 410-420 DOLOMITE, very light brown, clayey, very fine, porous, cemented in part
- 420-570 LIMESTONE, white speckled, phosphate pebbles, calcite, sandy, dense, cemented and vuggy, shells; Bryozoa, Archais, Elphidium, Miogypsina, Miliolids, gastropods, shark's teeth
- 570-590 DOLOMITE, phosphate pebbles, sandy, porous and very fine grained; vuggy - Archais, ostracods
- 590-630 LIMESTONE, white speckled, phosphate pebbles, calcite, sandy, dense, cemented, vuggy - ostracods
- 630-660 DOLOMITE, very light brown, phosphatic, dandy, porous, vuggy, sand fine grained; Miogypsina, Archais, ostracods
- 660-680 LIMESTONE, white, speckled, phosphatic, calcitic, sandy, densely cemented, vuggy; Elphidium
- 680-720 DOLOMITE, gray, phosphatic, dense and very fine - vuggy
- 720-740 SHALE, brown, clay, dolomitic, porous and fine
- 740-760 DOLOMITE, clayey, phosphatic dense, cemented, vuggy
- 760-770 SHALE, clay, dolomitic, sandy, very fine grained
- 770-810 No samples
- 810-840 LIMESTONE, white - hard, glauconitic, calcite, sandy, cemented in part, vuggy, shells; Echinoids-Pelecypods, gastropods
- 840-900 DOLOMITE, very light brown to light gray, dense, cemented in part and vuggy. Large Lepidocyclus (white and chalky)
- 900-970 LIMESTONE, white, calcite, shells, cemented in part; numulites<sup>m</sup>, operculinoides, heterostigina<sub>λ</sub>
- 970-1130 DOLOMITE, light brown, calcite, dense, cemented, vuggy, shells, as above
- 1130-1135 LIMESTONE, shells as above, gastropod molds, calcitic, fabularia, gastropods, cemented, vuggy as above
- 1135-1150 DOLOMITE, as above and cones
- 1150-1200 LIMESTONE, as above, miliolids, lituonella, spiroolina

WGI-41S-30E-1  
W-4750  
Chihuh Shan Chen

COMPANY : Amerada Petroleum Corp.  
WELL : Lykes Bros. Incorporated #1  
LOCATION : Sec. 1, T41S, R30E  
COUNTY : Glades  
ELEV. : 54 DF  
DEPTH : 10,990'  
COMPLETED : 7/16/58

REMARKS : No samples at 2190-4530', etc.  
Electric Log available

CHEN 1963

|      |      |  |
|------|------|--|
| 0    | 770  | MIOCENE AND YOUNGER  |
| 770  | 900  | OLIGOCENE  |
| 900  | 1150 | OCALE GROUP  |
| 1150 | 1450 | AVON PARK LIMESTONE  |
| 1450 | 2370 | LAKE CITY LIMESTONE  |
| 2370 | 3715 | LADSMAR LIMESTONE  |
| 3715 | 5300 | CEDAR KEYS LIMESTONE   |
| 5300 |      | UPPER CRETACEOUS (LAWSON LIMESTONE)  |
| 0    | 770  | Miocene and Younger  |
| 770  | 840  | Fossiliferous LIMESTONE, finely fragmental, biosparite, very light brown, rather well cemented   |
| 840  | 860  | Fossiliferous LIMESTONE, very finely fragmental (o. 2 mm), rather well cemented and dense, slightly dolomitic, light brown to very light brown, with large forams as <i>Lepidocyclina</i> , etc.                           |
| 860  | 900  | DOLOMITE, very fine crystalline, sugary textured, brown to dark brown, rather dense, fossil molds, rather pure and clean   |
| 900  | 930  | Fossiliferous LIMESTONE, very finely fragmental, rather well cemented and dense, very light brown to chalky white, with large forams as <i>Lepidocyclina</i> , etc., rather common. The Limestone is rather pure and clean |

- 930 980 Highly fossiliferous LIMESTONE, fragmental to microcoquina, very light brown, pure and clean, with large forams as *Lepidocyclina*, *Camerina*, etc., abundant. The Limestone is composed entirely of forams
- 980 1150 DOLOMITE, very fine crystalline, sugary textured, brown to dark brown, rather dense and pure with fossil molds of large for [am
- 1150 1340 Highly fossiliferous LIMESTONE, biosparite, fragmental but rather well cemented (by clear calcite), light brown to brown, with forams as *Cosk.*, *Lituonella*, etc., rather common
- 1340 1380 Highly fossiliferous (fragments) LIMESTONE, as above but rather microcrystalline
- 1380 1410 Highly fossiliferous (forams and fragments), oolites?, LIMESTONE microcrystalline, rather common
- 1410 1450 Fossiliferous LIMESTONE, fragmental, biosparite, light brown to brown
- 1450 1500 Fossiliferous LIMESTONE, biosparite, fragmental, brown with forams as *Dicty. Americanus* (?) but rare, carbonaceous Limestone fragmental not uncommon
- 1500 1520 Dolomitic (20%) LIMESTONE, brown to gray brown, with carbonaceous material
- 1520 1590 Fossiliferous LIMESTONE, fragmental, rather dense, light brown, with well preserved fossils not common
- 1590 1705 Fossiliferous LIMESTONE, fragmental, light brown to brown, with forams as *Dicty. Americanus*?, *Cosk.*, *Lituonella*, etc.
- 1705 1740 DOLOMITE, fine crystalline, dark brown
- 1740 1770 DOLOMITE, medium to coarse crystalline, rather porous, very dark brown with good dolomite crystals
- 1770 1790 Dolomitic (30%) fossiliferous LIMESTONE, with scattered dolomite crystals
- 1790 1920 DOLOMITE, fine to medium crystalline, dense, dark brown
- 1920 2100 Fossiliferous LIMESTONE
- 2100 2370 DOLOMITE, fine crystalline, dense, dark brown
- 2370 2435 Fossiliferous LIMESTONE



|      |      |  |
|------|------|--|
| 2435 | 2520 | DOLOMITE, fine to medium crystalline                                   |
| 2520 | 2590 | Fossiliferous LIMESTONE  |
| 2590 | 2630 | DOLOMITE, medium crystalline   |
| 2630 | 2740 | DOLOMITE, fine to medium crystalline                                   |
| 2740 | 2940 | LIMESTONE  |
| 2940 |      | DOLOMITE, medium crystalline   |
| 2970 | 3000 | DOLOMITE, very fine to fine crystalline                                |
| 3000 | 3080 | DOLOMITE, fine to medium crystalline                                   |
| 3080 | 3110 | DOLOMITE, very fine crystalline  |
| 3110 | 3140 | DOLOMITE, fine to medium crystalline                                   |
| 3140 | 3160 | DOLOMITE, very fine crystalline  |
| 3160 | 3195 | DOLOMITE, fine to medium crystalline                                   |
| 3195 | 3240 | DOLOMITE, very fine crystalline  |
| 3240 | 3265 | Gypsiferous (30%) DOLOMITE, very fine crystalline                      |
| 3265 | 3280 | Gypsiferous (10%) DOLOMITE, very fine crystalline                      |
| 3280 | 3B15 | Dolomitic (30%) ANHYDRITE  |
| 3315 | 3330 | Gypsiferous (10%) DOLOMITE, microcrystalline to very fine crystalline  |
| 3330 | 3360 | ANHYDRITE  |
| 3360 | 3370 | Gypsiferous (10%) DOLOMITE, microcrystalline, to very fine crystalline |
| 3370 | 3410 | Gypsiferous (30%) DOLOMITE, microcrystalline to very fine crystalline  |
| 3410 | 3425 | Gypsiferous (10%) DOLOMITE, as above                                   |
| 3425 | 3445 | Dolomitic (30%) ANHYDRITE  |
| 3445 | 3480 | Gypsiferous (10%) DOLOMITE, as above                                   |

|      |      |   |
|------|------|---|
| 3480 | 3495 | ANHYDRITE   |
| 3495 | 3510 | Gypsiferous (10%) DOLOMITE, as above                |
| 3510 | 3525 | ANHYDRITE   |
| 3525 | 3540 | Dolomitic (30%) ANHYDRITE                           |
| 3540 | 3590 | ANHYDRITE   |
| 3590 | 3610 | GYPSIFEROUS (10%) DOLOMITE, as above                |
| 3610 | 3630 | ANHYDRITE   |
| 3630 | 3650 | Gypsiferous (10%) DOLOMITE, as above                |
| 3650 | 3670 | Gypsiferous (30%) DOLOMITE, as above                |
| 3670 | 3685 | ANHYDRITE   |
| 3685 | 3695 | Gypsiferous (10%) DOLOMITE, as above                |
| 3695 | 3715 | ANHYDRITE   |
| 3715 | 3830 | DOLOMITE microcrystalline, to very fine crystalline |
| 3830 | 3837 | Gypsiferous (30%) DOLOMITE, microcrystalline        |
| 3837 | 3935 | DOLOMITE, microcrystalline                          |
| 3935 | 3950 | Dolomitic (30%) ANHYDRITE                           |
| 3950 | 3980 | DOLOMITE, microcrystalline, slightly gypsiferous    |
| 3980 | 4020 | Gypsiferous (30%) DOLOMITE, microcrystalline        |
| 4020 | 4040 | Gypsiferous (10%) DOLOMITE, as above                |
| 4040 | 4075 | Gypsiferous (30%) DOLOMITE, as above                |
| 4075 | 4095 | Gypsiferous (10%) DOLOMITE, as above                |
| 4095 | 4115 | ANHYDRITE   |
| 4115 | 4130 | Gypsiferous (10%) DOLOMITE, as above                |
| 4130 | 4150 | ANHYDRITE   |

|      |      |  |
|------|------|--|
| 4150 | 4160 | Gypsiferous (10%) DOLOMITE, as above         |
| 4160 | 4180 | ANHYDRITE                                    |
| 4180 | 4200 | Gypsiferous (10%) DOLOMITE, as above         |
| 4200 | 4220 | ANHYDRITE                                    |
| 4220 | 4340 | Gypsiferous (10%) DOLOMITE, microcrystalline |
| 4340 | 4350 | Dolomitic (30%) ANHYDRITE                    |
| 4350 | 4370 | Gypsiferous (10%) DOLOMITE, as above         |
| 4370 | 4400 | ANHYDRITE                                    |
| 4400 | 4415 | Gypsiferous (10%) DOLOMITE, as above         |
| 4415 | 4425 | Dolomitic (30%) ANHYDRITE                    |
| 4425 | 4440 | Gypsiferous (10%) DOLOMITE, as above         |
| 4440 | 4470 | ANHYDRITE                                    |
| 4470 | 4485 | Gypsiferous (10%) DOLOMITE, as above         |
| 4485 | 4505 | ANHYDRITE                                    |
| 4505 | 4525 | Gypsiferous (10%) DOLOMITE, as above         |
| 4525 | 4565 | ANHYDRITE                                    |
| 4565 | 4575 | Gypsiferous (10%) DOLOMITE, as above         |
| 4575 | 4595 | ANHYDRITE                                    |
| 4595 | 4610 | Gypsiferous (10%) DOLOMITE, as above         |
| 4610 | 4640 | ANHYDRITE                                    |
| 4640 | 4660 | Gypsiferous (10%) DOLOMITE, as above         |
| 4660 | 4740 | ANHYDRITE                                    |
| 4740 | 4750 | Gypsiferous (10%) DOLOMITE, as above         |
| 4750 | 4765 | ANHYDRITE                                    |

|      |      |  |
|------|------|--|
| 4765 | 4775 | Gypsiferous (10%) DOLOMITE, as above   |
| 4775 | 4820 | ANHYDRITE  |
| 4820 | 4825 | Gypsiferous (10%) DOLOMITE, as above   |
| 4825 | 4840 | ANHYDRITE  |
| 4840 | 4885 | Gypsiferous (10%) DOLOMITE, microcrystalline, light gray brown, to gray brown  |
| 4885 | 4905 | ANHYDRITE  |
| 4905 | 4925 | Gypsiferous (10%) DOLOMITE, as above   |
| 4925 | 4950 | ANHYDRITE  |
| 4950 | 5030 | Gypsiferous (20%) DOLOMITE, brown gray to dark gray, slightly argillaceous   |
| 5030 | 5050 | ANHYDRITE  |
| 5050 | 5120 | Gypsiferous (20%) DOLOMITE, microcrystalline, light gray brown to gray brown   |
| 5120 | 5130 | ANHYDRITE  |
| 5130 | 5170 | GYPHSIFEROUS (20%) DOLOMITE, as above  |
| 5170 | 5200 | ANHYDRITE  |
| 5200 | 5225 | Gypsiferous (10%) DOLOMITE, microcrystalline, fossiliferous, gray brown  |
| 5225 | 5235 | DOLOMITIC (30%) ANHYDRITE, fossiliferous   |
| 5235 | 5300 | Gypsiferous (10%) fossiliferous DOLOMITE, microcrystalline to very fine crystalline, gray brown to brown, with forams as Borelis, etc. |
| 5300 | 5350 | DOLOMITE, very fine to fine crystalline, brown, rather dense, slightly gypsiferous, rather pure and clean                              |
| 5350 | 5390 | DOLOMITE, very fine crystalline, slightly porous, brown to light gray brown, rather pure and clean                                     |

|      |       |   |
|------|-------|---|
| 5390 | 5410  | Gypsiferous (10%) DOLOMITE, very fine crystalline, brown                                    |
| 5410 | 5455  | DOLOMITE, very fine crystalline, rather dense, brown, slightly gypsiferous                  |
| 5455 | 5475  | DOLOMITE, microcrystalline to very fine crystalline, light brown                            |
| 5475 | 5565  | DOLOMITE, very fine to fine crystalline, light brown to brown, rather dense, pure and clean |
| 5565 | 5600  | DOLOMITE, fine crystalline, dark brown  |
| 5600 | 5645  | DOLOMITE, very fine crystalline   |
| 5645 | 5750  | DOLOMITE, very fine to fine crystalline, dark brown, slightly gypsiferous, rather pure      |
| 5750 | 5790  | Chalky LIMESTONE microcrystalline, pure and clean   |
| 5790 | 5800  | Gypsiferous (10%) Chalky LIMESTONE, microcrystalline, pure and clean with Selenite crystals |
| 5800 | 6900+ | Chalky LIMESTONE  |

FLA - G.L. - 01 - 2

- 125-40 | Off wh, porous, soft ch w/ 40% lt qtz, fissile, soft, calc cly Tr. Milky, C qtz, WR qtz w/
- 140-70 | Clear-Milky, VC-M qtz SR, PS qtz sd <sup>40%</sup> mult-deep gy, blocky, soft, waxy cly matrix  
Tr. blk, WR, C phos
- 170-00 | do + abund lt trq, vfg, hard, porous, sdy ls
- 200-30 | 10% ls AS above w/ 10% cly AS above abund l.f. s.f. + v abund clear-Milky, VC qtz, WR, PS  
qtz sd Tr. phos
- 230-60 | Off wh, micro-porous, ind, v sdy ls w/ many foss casts, sd is VC-M qtz, lt qtz-calc, SR, PS, qtz Tr. blk-brn, M, phos
- 260-90 | dk qtz, soft, porous, fissile sh
- 290-20 | lt qtz, micro, ind, porous ls w/ abund f, blk-brn phos disseminated throughout. Also scard  
fg, clear, SA, qtz sd Tr. blk, C phos
- 320-50 | M qtz, fissile, hard, calc sh (cly)
- 350-80 | ls as (290-20) w/ abund cly (sh) AS (290-50)
- 380-10 | ls as (290-20) in matrix of lt qtz, fissile, soft, calc cly
- 410-40 | Off wh, micro, ind, porous ls w/ AS certainly abund small foss vugs, some calc phos  
+ many l.f. s.f.
- 440-70 | Wh, micro, ind, porous ls w/ abund f, lt brn <sup>blk</sup> phos nodules scard. C nodules also  
Some foss vugs
- 470-00 | do some slight sparry calcite replacement
- 500-30 | do
- 530-60 | do
- 560-90 | do
- 590-20 | do chy
- 620-50 | do

- 650-80 | wh-lt gray, micro, ind, porous, chy ls w/ Abund disseminated thin-blk, f phos nodules  
Some pieces w/ abund elong fgn, SR, ta sd
- 680-70 | lt gray, vfgay, porous, ind, dolc ss w/ thin-blk, f, phos nodules disseminated
- 710-40 | do
- 740-70 | do Th. C, blk phos nodules
- 770-00 | N.S.
- 800-30 | Crmy, micro, ind, porous, frag-foss ls
- 830-60 | do chy & dolc
- 860-90 | tan, vfgay, hard, porous, chy dol w/ scatt. small vugs
- 890-00 | do
- 900-10 | wh, ind, porous, foss ch
- 910-20 | ASC(800-90)
- 920-30 | wh, soft, porous ch
- 930-40 | do fossiliferous
- 940-50 | do abund loose f. forams & other foss material
- 950-60 | do
- 960-70 | do minor dolc - to a lt tan, vfgay, porous dol
- 970-80 | do
- 980-90 | tan, vfgay, hard, porous dol w/ scatt. small vugs [This is above chy, completely dolc.]
- 990-00 | do
- 1000-10 | do
- 1010-20 | do
- 1020-30 | do
- 1030-40 | do
- 1040-50 | do chy

- 1050-60 | do
- 1060-70 | do v chy
- 1070-80 | do not as chy as (1060-70)
- 1080-90 | do only slightly chy
- 1090-00 | do
- 1100-10 | do v chy [possibly dolc ch]
- 1110-20 | N.S.
- 1120-30 | Cray, porous, red, dolc ch w scarce foss material
- 1130-40 | do w much sparry calcare replacement
- 1140-50 | lit bay, v craly, hard, fairly tight dol
- 1150-60 | Cray, microp, ind, chy, foss-fmg ls w minor sparry calcare replacement
- 1160-70 | do
- 1170-80 | do
- 1180-90 | do some slight doltz
- 1190-00 | do
- 1200-10 | do no sparry calcare
- 1210-20 | do
- 1220-30 | do
- 1230-40 | do
- 1260-90 | do no doltz
- 1290-20 | do minor doltz
- 1320-50 | do no doltz
- 1350-80 | do not v chy
- 1380-10 | lit bay, microp, ind, porous, pel ls
- 1410-40 | do chy



- 1440-70 | N.S.
- 1470-00 | Crmy - lt tan, micro, ind, porous, pel-frng ls
- 1500-30 | do Ang
- 1530-60 | Crmy - lt tan, micro, ind, porous, pel-frng - foss ls
- 1560-90 | N.S.
- 1590-20 | do
- 1620-50 | do
- 1650-80 | do w/ ss dolts to a clean-brn Crxaly, sacg, emb, porous dol
- 1680-10 | do
- 1710-40 | Mbny f-C xraly, sacg - tyrt, hard dol
- 1740-70 | ls as (1530-60) dolts to a M-dk brn Crxaly, sacg, emb, porous dol
- 1770-73 | do
- 1792-00 | N.S.
- 1800-30 | ls as (1530-60) w/ some dolts to a M-dk brn, f-C xraly, sacg - tyrt, hard dol
- 1830-60 | do
- 1860-1950 | N.S.
- 1950-80 | Crmy, micro, soft, porous, chly, dolc, foss ls. Dol ls ult tan, vfxraly, soft, porous
- 1980-10 | do dol is tan
- 2010-40 | do Tr. dk gry-blk, ind, fissile, carb sh
- 2040-70 | do
- 2070-00 | do
- 2100-30 | do
- 2130-60 | do no sh
- 2160-90 | do
- 2190-4530 | N.S.

4530-90 messed-up samples, this is out of place

4530-90 | tgy, micro, soft, porous, chy, ls w/ small blk specks, tr. w/ micro Anh soft  
U Ang chf chips

4560-90 | do

4590-4670 | N.S.

4670-00 | tan-wh, micro, hard, pure Anh

4700-30 | do

4730-60 | do w/ crm, micro, ls, porous, Anhyd dol

4760-90 | do

4790-20 | tan-wh, micro, hard, pure Anh

4820-50 | do w/ crm, micro, soft, porous, Anhyd dol

4850-80 | Crm, micro, soft, porous, Anhyd dol

4880-10 | wh-lt tgy, micro, hard Anh

4910-40 | lt tgy - lt tan, micro, hard, porous, Anhyd dol

4940-70 | do

4970-00 | lt tgy, micro, porous, hard, Ang dol

5000-30 | do

5030-60 | do + wh-lt tgy, micro, hard Anh

5060-90 | Crm, micro, porous, soft, dol some areas are partially Anhyd

5090-20 | do

5120-50 | do + wh-lt tgy, micro, hard Anh

5150-80 | do

5180-10 | do

5210-40 | Crm, micro, hard, porous, Anhyd dol

5240-70 | do only slightly Anhyd

5270-00 | do

5300-30 | Crmy - tiny, uf-micro, hard, porous, slightly anhyd dol w wh, many hard sub

5330-60 | Crmy - tiny, uf, f-xrals, hard, porous, vuggy dol

5360-90 | do Pr. elong, fairly, brittle sh w. v. small, wh lenses (dolite?)

5390-20 | do + wh. elong, micro, soft anh

5420-50 | do

5450-80 | Crmy, micro, ind, porous dol

5480-10 | do + wh, porous, soft anh

5510-40 | Crmy dol w abund Mbny, micro, hard, fairly tight dol

5540-70 | Crmy, micro, soft, porous dol

5570-00 | do + 40% Mbny, f-micro, hard, tight, porous dol

5600-30 | Crmy, micro, soft, porous dol [this "Taylor section" is completely dolite ch]

5630-60 | do + some Mbny, f-micro, hard, fairly porous dol

5660-90 | Crmy dol + 50% Mbny, f-xrals, hard, porous dol

5690-20 | do

5720-50 | Mix of above w 40% wh, micro, soft anh

5750-80 | wh, soft, foss, porous ch w occasional M-C xrals, clean-tan, dol xrals

5780-10 | do

5810-40 | do

5840-70 | do

5870-00 | do

5900-30 | do

5940-20 | do

6020-50 | do

6050-80 | do slight increase in dol here

6080-10 | do & here ↑

- 6110-40 | wh, soft, foss, porous, dolie ch      Dol is crmy, f-M xrols, soft, porous, sacc
- 6140-70 | do
- 6170-00 | do
- 6200-30 | do
- 6230-60 | do
- 6260-70 | do      less dolie than above
- 6320-50 | do      only slightly dolie
- 6350-80 | N.S.
- 6380-10 | wh, <sup>lt qtz</sup> soft, porous, foss ch      Tr. dol as above
- 6410-40 | do
- 6590-20 | do
- 6800-30 | do
- 7010-40 | do      Tr. dk qtz, fissile, brittle sh appears AT (6830-90)
- 7220-50 | do
- 7400-30 | do
- 7430-60 | do
- 7460-90 | do
- 7490-10 | do      w/ 50% clean, fqz, s.A, w/ gtz sd
- 7510-40 | do      but sd is 30%
- 7540-70 | do      but sd is 10%
- 7570-00 | ch & Tr. sh as above
- 7600-30 | do
- 7630-60 | do
- 7660-70 | do
- 7670-00 | lt qtz, mung fairly hard, porous, slightly foss la

- 7700-30 | do
- 7730-60 | do Tr. clay, Mgry, wR, wS qtz sd + buff, soft, waxy, calc, blocky, ch
- 7760-90 | buff, micro, hard, porous ls Tr, blk, fissile, hard sh, carb
- 7790-20 | do
- 7820-50 | do
- 7850-80 | do + Tr, Mgry, soft, waxy, calc sh [Taylor Ash?]
- 7880-10 | do
- 7910-40 | do
- 7940-70 | ls w/ scatt, v small foss material + 5% blk sh
- 7970-00 | dkgy, micro, soft, fairly porous, Arg ls w/ scatt, v small foss frags 10% blk sh
- 8000-30 | do highly Arg could be calc, blocky sh
- 8030-60 | Mgry, blocky, hard, brittle, highly calc sh
- 8060-90 | do
- 8090-20 | do
- 8120-50 | do
- 8150-80 | buff, micro, hard, porous ls w/ dkgy, fissile, hard, calc sh
- 8180-10 | dkgy, fissile, hard, brittle, calc sh
- 8210-40 | buff, v-micro, soft, porous, ch, calc ls
- 8240-70 | do
- 8270-00 | do
- 8300-30 | do + blk, fissile, hard, calc sh
- 8330-60 | blk sh as above
- 8360-90 | do
- 8390-20 | do
- 8420-50 | do

- 8450-80 | do
- 8480-10 | do + buff, uf, micro, porous hard, dolc ls
- 8510-40 | do
- 8540-70 | do
- 8570-00 | sh + buff, uf-micro, porous, Arg, hard dol
- 8600-30 | do wh, micro, hard Anh
- 8630-90 | N.S.
- 8660-90 | dol as (8570-00)
- 8690-20 | do + wh, micro, hard Anh
- 8720-50 | do
- 8750-80 | dol as (8570-00)
- 8780-10 | do
- 8810-40 | do + wh-tan, micro, hard Anh
- 8840-70 | do
- 8870-00 | do
- 8900-30 | dol as (8570-00)
- 8930-60 | do
- 8960-90 | do + tan, micro, hard Anh
- 8990-9290 | N.S.
- 9290-20 | dk-brn, micro, hard, tight dense dol w/ wh-tan-brn, micro, hard Anh
- 9320-50 | N.S.
- 9350-80 | See core description
- 9380-10 | See core description
- 9410-40 | buff, micro, hard, porous ls w/ scatt. small foss frags
- 9440-70 | do

- 9470-00 buff-lt grey, micro, hard, tight, dense ls w/ scatt. small foss frags  
w/ buff-Mbrg, frxal, hard, porous dol
- 9500-30 do
- 9530-60 Mbrg grey, micro, hard, tight, dense ls w/ wh-lt grey, micro, hard anhyd
- 9560-90 do
- 9590-20 do
- 9620-50 do w/ dk grey, hard, fusile, highly calc sh
- 9650-80 do
- 9680-10 buff, micro, hard, porous ls
- 9710-40 do + wh-lt grey, micro, hard anhyd
- 9740-70 buff, vfrxal, hard, porous dol + dk grey, fusile, hard, calc sh
- 9770-00 do
- 9800-30 buff-lt grey, micro, hard, porous ls
- 9830-60 do + buff, vfrxal, hard, porous dol
- 9860-90 buff, vfrxal, hard, porous dol
- 9890-20 do
- 9920-50 buff, micro, ind, porous, anhyd ls
- 9950-80 lt grey, micro, hard, porous, slightly ch, dol
- 9980-10 do + buff, micro, hard, porous ls w/ abund small blk foss material, slightly anhyd.
- Tr. musc + biotite
- 10,010-40 dol AS (9950-80) 5% musc + biotite
- 10,040-70 dol + buff-ery, micro, ch, ind, foss ls
- 10,070-00 do
- 10,100-30 buff, micro, ind, fairly porous, ls w/ abund blk-grey foss material
- 10,130-60 do slightly anhyd + dol AS (9950-80)

- 10,160-90 | ls as (10,100-30) + dol as (9950-80) + wh-lt grey, micro, hard, anh
- 10,190-20 | wh-lt grey, micro, hard-soft anh w/ lt grey, micro, hard, porous dol
- 10,220-50 | dol as (10,190-20)
- 10,250-80 | do + buff, micro, ind, porous, foss ls
- 10,280-10 | dol as (10,190-20) + anh as (10,190-20) Tr. dk grey, blocky, hard, dense, calc sh
- 10,310-40 | M-lt grey-ban grey, vlt-micro, hard, porous dol + buff-cmy, micro, hard, porous, foss ls
- 10,340-70 | do Tr sh as (10,280-10)
- 10,370-00 | ls as (10,310-40) + lt grey-vlt ban grey, micro, hard, porous, chy dol
- 10,400-30 | do ls slightly anh
- 10,430-60 | lt grey, micro, porous, hard, chy dol + buff-<sup>vlt grey</sup>lt grey-tan, micro, ind, porous, chy foss ls
- 10,460-90 | do
- 10,490-20 | dol as (10,430-60) + lt grey-buff, micro, porous-tight, hard, chy, foss ls
- 10,520-50 | ls as (10,490-20) Anhyd
- 10,550-80 | lt grey, micro, hard, tight, dense, slightly foss ls + buff, micro, ind, porous, chy ls
- 10,580-10 | do foss in both ls + some areas in both carb +/- anhyd
- 10,610-40 | do
- 10,640-70 | do
- 10,670-00 | do
- 10,700-30 | lt grey-buff, micro-crypt, hard, tight, dense, foss ls w/ possible blk, blocky, calc, fusile sh lenses + lt grey, micro, soft, porous, highly anh ls
- 10,730-90 | N.S.
- 10,740-20 | See con description
- 10,820-50 | See con description
- 10,850-80 | See con description
- 10,880-10 | N.S.



10,910-40 | wh, micro, hard. sub w/ Mgry, micro, hard, faintly porous dol

10,940-70 | Ash ASC (9,910-40) + M-dk, grey, blocky, hard, dense, calc. sh

10,970-92 | lt-Mgry, micro, hard, tight-porous, anhyd, foss ls