FLA-HIL-OT-1	
105-15 (Crmy Milro, porous hard, edy dol Sch is f-c gry Milley we Tr f-C phos	
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145-55 do Tr. yel, blocky, hand, cale cly	
205-15 Comment on Autor London to the State Change A	
205-15 Cray - ton, neuro, hard, porous tyll, fewly pel 15 veinel, say	
275-35 do	
235-115 N.S.	
255-65 M.S. 265-75 butt frag + foss, Millo, porous, 1rd, 1s	
215-85 do	
285-95 1	
395-05) do	= -
305-15 do	
325-35 Cray Micro, porous, hordy pet 15 + other Microfoss	
101-201 145-201	
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SS 65 For-come parase and will I

365-95) do Tr. blk-dlebon, cht chys y reliet pel	
395-05 20	
405-15 do	
415-25 Crmy, Ufgrz, porous, 12d, foss 15	
425-351 do	
435-45 do Tr. dkbry cht Wrchet foss	
445-55) do	_
455-65) do	
465-751 do	
475-4501 N.S.	
4501-31 butt of necrosporoughand, ayper dol w numerous could vuje to relies foss le texture	
45-31-61) do but mus a no rues	
4501-91) but tay mushand, tylet dol w small-15, vuss	
4592-22 tan from typt, hard, gypst del	
4622-53) do	
41.53-85 do	
4666-14) It tay f-1 x raty porory hard dol w/ whind, gyps frico 15	
4715-46/ do	
4746-77 Cray-ub, and, dole 15, ruro	
4717-09) do but foss	
4809-40 Why Mary Ind, parous, fosa LS	
4840-71 do w/ Tay ning hand, typt dol	
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	:
Have-aul Crmy micro parous, hard, dalie, finely pel la	
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5027-67) do	
5057-871 do bre Oole	
5087-171 do	
5117-47 Jultary mino, parois ind, is stylitely dole 15	
3147=771 do	
5177-07) do	· · · · · · · · · · · · · · · · · · ·
5207-37 off wy lungy, indipped ch solyhtely dolic	
5137-47 do	
5267-971 do tr. ultgry Ans, cht	
5297-27 Ch + 15% ch+	
-5327-57) ch + [r. cht	<u> </u>
(5357-67)	<u></u>
5387-171	
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3447-77 do	
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5507-37 do but highly dolice	
5537-67 do	
5567-97 do but stylitely dole	
<u>5597-27</u> do	
5627-57 do	

<u>.</u>		
<u> 5717 - 47</u>	do no E. prisms	
5747-77	do	
5777-071	da	:
5807-37	loff wh, and, porous ch	
5837-67	do	
5867-97	do	
5897-27	i do	
5927-57	L do	
5957-67	do	
5987-17	_ Δο	
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<u> 6267 - 87</u>	do ± uf, euh, Itgry, inhelded old grals Tripyn	
(287-17)	do	
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<u> 12347 - 77</u>	witgry, 14d, porous, ch w/ some wf, euh, itgy dol xiols inbudded	-
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1645-25) dk brigny-chizry, blocky, hard, colest w/ poorly doubled authoric lenses	ASTRAIO
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7408-38) do	
7638-66) do no vys + dlebryry	
7668-98 do 7698-28 Sh + buff, miles tylithand bio 15	
7728-58 do	
7138-88 1	
7788-18 sh+ dkbny - gry, fruf graly parous tylt, had, del al relies by 15 texture	
7818-46 sht who bon, nicro, hard, impure such	
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7938-66	1 dol as above
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A make several for the common many of	1 cray-butf, f-mure, hard parons, chy dal
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	butt-comp muse, hardy fairly tysty sypst, slylitely slave colls

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UTTITODOMORIA POUNTT LIPOTITA Worked by Mrs. E. R. Applin put of total. Cream colored, gypsiferous, porous limestone. 4501-311 Upper Lawson? Limestone as above and many fragments of a light gray 4531-61 chalky and somewhat hypsiferous limestone. Moderate dense to porous, cream colored, finely granular 4561-91 dolomite. Many impressions of fragmental fossiliferous material. Generally dense- cream colored finely granular dolomite. 4593-46231 Light cream colored- irregular somewhat porous- gypsiferous 4622-531 finely granular dolomite. Dolomite as above- and about 50% fragments of a white 4653-851 dolomitic porous chalk- showing many impressions of fragmental fossiliferous material. Large Echinoid spines. Specimens of a Moderately small Rotalid foram noted. Mainly cream colored irregular porous dolomite. 4686-4714 Cuttings of chalk and dolomite. Molds and impressions of microfossiliferous and fragmental fossiliferous material common. Specimens of <u>Vaughanina</u>? sp. and <u>Pseudorbitoides</u>? fairly common. Similar to above but chalk strongly dominant. Several 4746-771 - EADOND TOURES large species of Lepiderclines and fragments of Coral common. Like the preceeding. 4777-48091 White chalky, calcitic highly microfossiliferous limestone. 4809-40° Many specimens of Pseudorbitoides sp. and specimens of Def. Lawson first Lepidorbitoides sp. first Sulcoperculina cosdeni.

Comparatively few fossils noted.

Cuttings of chalky limestone and of cream colored dolomite.

1023 (137

4840-71°

Name of the last o		TODDS##
	4871-4901	Like the predeeding.
	4901-33'	Mainly chalk, a few fragments of dolomite. Many traces of fossils, few well enough preserved to be determined. No marked change in fauna.
0	4996-5027	No change.
	5027-5 7 °	No change.
	5057-871	Chalky dolomite. Dolomite crystal evenly distributed 50 to 75% of material. Few fossils noted. No marked change in fauna.
	5087-51181	Like the preceeding.
	5117-478	Similar to the above but more chalky.
	5177 – 520 7 °	Dolomitic chalk as above, and very fine grained cream colored dolomite. Few fossils- those present probably caving.
	5207-271	White, highly dolomitic chalk- few fossils.
	5237-571	No change.
	5267-971	Material dimilar to above. Fragments of white chert, common in this sample.
	5297-53271	Like the preceeding.
	5327-571	Light cream colored chalky dolomite. A little chert.
	5357-871	Like the preceeding.
	5417-471	Like the preceeding.
	5447-77°	Like the preceeding.
	5477-550 7 °	Like the preceeding.
	5507 – 37°	Like the preceeding.
	5537-679	Chalky dohomite as above- a little gypsum.
	556 7- 97°	White dolomitic chalk. A few fragmetns of Inoceramus.
	5597-56271	Like the preceeding.

	5687-57171	Material similar to above. Inoceramus fragments fairly common.
	5717-471	Like the preceeding.
	5777-58071	No change.
0	5816-211	White chalk. A few moderately large delemite? crystals.
	5821-27'	Chalk as above- some Inoceramus prisms and Ostracods.
	5837-671	White chalk.
	5867-971	White chalk.
	5897-592 7'	White chalk. Inoceramus prisms fairly common.
	592 7- 57 '	Like the preceeding.
	595 7-87 1	No change.
	5987-60 17 '	No change.
	6017-47'	Chalk better consolidated (less fluffy) than above. Some specimens of Anomalina cosdeni noted. Inoceremus fragments fairly common.
	6047 – 771	Material like the above.
	6077-61071	No change.
	6063-681 7	White chalk.
	6070-731	White chalk.
	Approx Austin Top.	White chalk as above—fragments of Inoceramus and a few of the chalk fragments stained dark brown and irregularly finely white streaked.
	6137-67"	Like the preceeding.
O	6167-979	Cuttings of mederate hard white chalk. Numerous Inoceramus fragments.
	6197-62070	White hhalk and dolomitic white chalk. Some Inoceramus fragments.
arm.	6215-20°	Somewhat dolomitic- moderate hard white chalk Dolomite in fine crystal evenly distributed about 25%

	6257–871	Cuttings of moderate hard white chalk, irregular finely dolomitic Inoceramus fragments fairly common.
	6287-6317	No change.
Temperature and the	6317-47	, No change.
	6347-771	White, slightly domonitic moderate hard chalk. Inoceramus fragments fairly common. A few of chalk fragments showing vein-like streaks of tarry residue.
	6377–6407	White dolomitic chalk. Dolomite in fine, evenly distributed crystal about 25% of material.
the same of the sa	6 407–37 '	Like the preceeding.
	6437-671	No change.
	6467 -97 1	Material as above- some Inoceramus fragments and a few specimens of Globotruncana noted.
	6497-6527	Like the preceeding.
	6527-571	Moderate hard slightly dolomitic chalk, many Inoceramus fragments. Chalk more microfossiliferous than above.
	6552-57	White chalk.
— (Control of the control of the con	6557-871	Like the preceeding.
	6605–351	No change.
	6624-291	Chalk as above and also numerous fragments of a dark gray to brownish gray marl.
	6635-651	White chalk. A few fragments of the marl as above.
	6665-951	Material as above - irregularly stained a light brown to brownish black - due to petroliferous infiltrations.
	6695-67251	Like the preceeding.
	6725-559	Chalk, in part stained as above. Some of the chalk fragments showing an abundance of minute spherical bodies (a common
	c.	feature of part of the Austin.)
	6755-861	Like the preceeding.
	6786-6816 Pmb	A light tan colored marly limestone.
. 12 1	111. E	

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	6811-18 Core #19	White, chalky limestone. Some vein like streaks of a dark petroliferous residue. A fragments of a Pectin?
N. C.	6828-32' Core #21	Dark brownish gray somewhat light "speck" marl, a few shell fragments.
O	6832-421 Core #22	Dark brownish gray, somewhat light "speck" silty marl. A few shell fragments.
	6842-51' Core #23	Light tan chalky limestone- some small fragments of fossil bivalves.
	6851-821	Like the preceeding.
6882 byers	Top of Englands Woodbines L. Atkinson	Materials as above- many fragments of light brown and brownish black- light "speck" marl and some fragments of black, flakey, slightly finely micaceous shale. The dark speck marl shows more fish teeth and scales. Fish bone fragments fairly common in this sample. A few Globogerina sp. apparently from the "speck" marl.
.4	OPAPRO	Major portion of sample black slightly micaceous shale, as in preceding sample- smaller amount of speck shale and some fragments of chalky limestone from higher depths also present. A number of Ostracods, some fish bone fragments- a few questionable Comatulid fragments, one specimen of Ammobaculites advenus and several species of Ostracods. Fauna Woodbine in character. A few fragments of the black shale as above. Many fragments
	Top of Lower Cretaceous	A few fragments of the black shale as above. Many fragments of a finely granular cream colored gray spotted dolomitic limestone- many fragments of which show sections of fragmental fossiliferous material including sections of Miliolids, other forams not determined. Some of the limestone fragments more firmly consolidated and in part, colitic in appearance firmly when moloculing heimi
	6972-70021	Like the preceeding.
6968 7020	7002-321	No change.
0	7032-628	Major portion of material a finely granular irregularly porous brown and gray dolomite. Some small impressions of micro-fossiliferous material. Some fragments of micro-fossiliferous chalky dolomitic limestone also present as above and a few fragments of gray shale. (still caving)
	7062-921	Finely granular light brown, porous dolomits. A few dolomite and chalky fragments showing many Miliolid

	7152-82!	Grayish tan moderate finely gray spotted, irregular porous dolomite.
	7236-651	Gray and tan sucrose, irregular porous dolomite. 7625- 96 same.
	7296-73281	Light tan and gray-porous dolomitic limestone. Some molds of small fossil bivalves and impressions and molds of fragmental and micro-fossiliferous material. A lttle glauconite present. Some fragments of the limestone oclitic. Fairly numerous dolomitic molds suggesting Cyclammina? sp 2 present * Frob. Numerous documents.
	7328-591	Tan, porous, gray spotted dolomitic limestone similar to the above. Vague traces of fossiliferous material common.
	7359-901	Generally dense light tan-gray-gray spotted dolomitic limestone. Dolomite extremely finely granular. A few bague traces of fossils.
	7390-74201	Gray limestone similar to preceeding in character and about 50% anhydrite.
	7428-581	Light tan and gray-gray spotted, porous dolomitic limestone. Limestone shows a few anhydri te inclusions and a few faint traces of micro-fossils.
	7458-881	darker gray and tan dolomite, slightly porous.
	7488-75181	More finely cut fragments of the same.
	7518-481	Light brown, moderately finely granular porous dolomite. A few of the fragments contain many poor molds of Alveolipids? A few fragments of anhydrite also present.
	7548-781	Brownish gray very finely granular dolomine.
•	7578-76081 7610 E. les Approx top Fredericksburg.	Porous light brown finely granular dolomite and many fragments of gray shale- possible caving.
	7608-38° P. Turb	Dense light brown finely granular dolomite.
Q_{\bullet}	7638-681	Sample mainly dark gray shale, a few fragments of dolomite.
	7668-981	Like the preceeding.
	7698-77281	Cuttings of a light brown limestone- fragmentary fossiliferous material present in this limestone.

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Syp Color.
                      rredericksburg in Texas. / Same form was also common in
                     middle of core 5372-82' in Sun, Powell-Land, Volusia Co.
                     Some Miliolids and a few specimens of Placopsilina sp. also
                      noted in this limestone. *-L. subgoodland ansig
 7758-881
                      Limestone similar to above in general character but somewhat
                     sandy and carrying an abundance of fragmental molds of
                     fossiliferous material. Many fragments of gray shale as
                     above (this probably caving from much higher depths) Some
                     molds of several species of Ostracods- fragments of Lituola
                     inflata and numerous specimens of Haplophragmoides? sp.
                     subgoodlandeners
 7788-181
                     Brown, finely granular porous dolomite.
 7818-481
                     Mainly anhydrite, a few fragments of brown, finely granular
                     gray streaked dolomite.
 7818-48'A
                     Dense light grayish tan hard, platey limestone. Some
                     fragments show sections of Miliolid and sections of other
                     micro-fossiliferous and fossil fragments not determined.
 7848-781
                     Sample almost entirely anhydrite.
 7878-7908°
                     Mainly anhydrite, some dolomite and some gray shale. (caving?)
 7908-381
                     Anhydrite and some very finely granular dense, light tan
                     dolomite- a few fragments of which are sandy.
7938-681
                    Like the preceeding.
            x2,37:
                     Brown, finely granular irregular porous black streaked and
                     spotted dolomite. Vague traces of fragmental fossiliferous
                     material.
7938-44° core #35
                     Light brown anhydritic dolomitic (finely granular) many
                     vein-like streaks of petroliferous residue.
7944-541 core #36
                     Light brown dolomite, somewha t gray spotted and showing
                     some Miliolid sections and many dolomitic molds of other
                     fossils and fossiliferous material not determinable.
7960-701 core #38
                     Tan, thickly gray streaked and spotted dolomite.
                     fragments and traces of fossiliferous material.
7970-80° core 39 · Top 4's
                                    tan, sucross dolomite, thickly streaked,
                                    and spotted with a dark brown (petroliferous
                                    residue) A few sections of Miliolids.
                     Another sample: light brown, thickly gray spotted somewhat
                                    anhydritic_dolomite.
                     Another s ample: gray dolomitic limestone with thin lenses
                                    of bleak shale and comming facmonts of
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- anhydrite, some fragments of fossil bivalves and many poor molds of micro-fossils, Miliolids and Alveolinids (2) num moloculina Fred. var A light gray, somewhat glauconitic limestone which contains 8000-10' core #42 fragmentary fossiliferous material. Sample has a lense (on both sides) of brownish black petroliferous shale which contains rolled molds of micro-fossiliferous material and fra gments. 8010-201 core #43 Brown, very finely granular (sucrose) dolomite.
 - Brown, sucrose, somewhat anhydritic dolomite, showing some 8020-30° core #44 streaks of brownish black petroliferous residue.
 - 8030-40' core #45 Light grayish tan sucrose dolomite. Light tan chalky limestone composed largely of masses of

8040-501 core #46

- micro-fossiliferous and fragmental fossiliferous material. Several species of Miliolids common. X Tan chalky dolomite thickly streaked with a reddish brown 8050-601 core #47 and black shaley material. Limestone sontains a large amount
- of fragmental fossil material. Light brown, succros dolomite thickly dark gray streaked and 8060-70& core #48 spotted.
- Similar to predeeding- also somewhat glauconitic. 8070-801 core #49
- A brown and gray finely granular dolomite which contains 8080-881 core #50 many fragments of fossil bivalves and micro-fossiliferous molds, including sections of Miliolids which could be recognized. Material somewhat glauconttic. Another sample from the same depth- a white chalky limestone which has an oolitic appearance since it is formed mainly of molds of small micro-fossils and fossil fragments.
 - Sections of Miliolids common and one section of a form suggesting Cuncolina sp. The fossil molds are in part pyritic and in some cases glauconitic. Cream, gray mottled, moderately soft chalky limestone-8088-98° core #51 composed mainly of chalky and fragmental fossiliferous material. Sections of Miliolids, having a structural
 - pattern similar to Periloculina fairly common. limestone is somewhat anhydritic. Cream colored, somewhat anhydritic limestone having an 8098-081 core #52 colitic appearance, mainly due to abundance of Miliolid sections and other fragmental fossiliferous material of which the limestone is largely composed.

- OTH TIGENOTION TADDIT MEGAINAT! MITTATION A trace of glauconite. Hard, dense, brown, succros dolomite somewhat gray spotted 8118-28' core #54 and mottled. A few Miliolid sections noted. A few anhydrite inclusions. Brown, hard, moderately fine grained dolomite. Small 8128-38' core #55 chalk inclusions, probably representing remnants of fossil material common. 8138-451 core #56 dense, brown, finely granular dolomite. light brown, gray spotted finely granular chalky dolomite. 8145-55' core #57 White, very finely granular (succros dolomite; some small 8155-65' core #58 particles of carbonaceous material present. 8165-751 core #59 light tan, somewhat gray spotted dense, succros dolomite.
 - 8165-75' core #59 light tan, somewhat gray spotted dense, succros dolomite.

 8165-75' core #60 Dense, brown, finely granular dolomite.

 8185-95' core #61 Anhydrite and impure very fine grained, grayish tan dolomite, with small gray inclusions, some fo which are also

glauconitic. Tese may represent remnents of fossiliferous

Light gray succros dolomite, some fine dark gray spotting.

- 8195-05' core #62 Dense, grayish tan, impure succros dolomite. Slightly glauconitic.

 7980-90' Light brown, finely granular irregularly porous- gray spotted dolomitic material highly streaked with dead oil.
- 7990-00° Dolomite similar to preceeding but more porous and with some anhydrite inclusions.
- some anhydrite inclusions.

 8010-20'
 Light brown, finely granular dolomite finely thickly banded with streaks of a petroliferous residue.
- 8020-30% Like the preceeding.

8050-601 (core?) 47

material.

8030-40° Hard, gray, porous, dolomitic limestone.

8040-50° (core?) Dark grayish brown, finely granular dolomite. A trace of glauconite and a few small inclusions of anhydrite. Gray color, due to abundance of small gray spots which apparently represent remnents of micro-fossils and fragmental fossil material.

The state of		8058-881	Cuttings of several types of light brown, finely granular in part, porous dolomite.
		8060 –8 01	Core(?) Highly gray (dead oil) streaked. Finely granular dolomite.
	\wedge	8070-80' (core?) 49	Highly gray (dead oil) streaked, finely granular dolomite.
ALL STREET, ST		8080-881 %	Light brown, gray spotted, very finely granthar dolomite which contains an abundance of fossil material.
The second secon		8088-98' (core?) \$1	White dolomitic chalk irregular somewhat streaked with a petroliferous redidue. The chalk contains some fragmental fossiliferous material, not determinable.
that we say the a survey of the form		8098-181	Cuttings of several types of light brown, gray spotted dolomitic limestone, usually in the form of poor and fragmental molds- many sections of Miliolid forams noted.
X		8118-48'	Mainly tan, very finely granular irregularly porous dolomite.
and the trip		8148-781	Light brown, very finely granular porous dolomite. Some gray spots and a trace of anhydrite.
No. of Contract Contr		8165-75' (core?) <q< td=""><td>Light grayish tan and dark gray, very finely granular (succros) dolomite.</td></q<>	Light grayish tan and dark gray, very finely granular (succros) dolomite.
 Strategic March 1988, 1988, 1988, 1988, 1988, 198 		8185-95; (core?) 61 (1878:51) Using what (year)	
The second of th		8195-051	White dolomite (dolomite about 50% of material) limestone thickly streaked with vein-like inclusions of dark (petroliferous) residue. Sections of Miliolids common in parts of this limestone.
	0	8208-381	Cuttings of tan succros dolomite and of whate, highly gray spotted dolomitic limestone which contains a large amount of micro-fossiliferous and fragmental fossiliferous material—generally not determinable. Some Miliolid sections noted. A small amount of glauconite in fossiliferous limestone.
A 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8238-681	Like theprecedding. Many of the limestone fragments contain abundant specimens of Miliolids and some Alveolinids?
And the state of the state of		8268-981	Sample?
		8298-281	Gravish tan. very finely granular (succrost dolomite.

	Switz 191 core #63	and a small amount, of glauconite.
	8414-19 core #63	Dark gray, shaley fine-grained sandstone. Many small streaks and inclusions of limonite.
0	8419-24' core #64 ,	Light gray limestone irregularly interlaminated with greenish gray marl. Materials contain many worn and broken fragments of fossil bivalves. Miliolids mommon in the hard marl.
	8414-19 (?) (°)	Dark greenish gray calcareous shale- small streaks and inclusions of pyrite and small thin fragments of carbonaceous material.
	8419–481	Light tan succros dolomite, gray streaked and spotted. A few miliolids.
	8448-781	Shale as at 8414. Tan, succros do <u>lomite</u> and some gray spotted, highly micro-fossiliferous (poor molds and mold fragments). Cream colored limestone, a little anhydrite.
	8478-081	Brown and greenish gray shale and brown succros dolomite, some fragments of which are finely streaked with a black, (petroliferous?) residue.
	8508-381	Shale as above and about 50% fragments of a white limestone which shows many sections of Miliolids.
	8538-681	Light ten succros dolomite, slightly anhydritic.
	8568-981	Gray and greenish gray shale and gray spotted cream colored dolomitic limestone, some of limestone anhydritic.
	8598-081	Gray and greenth gray shale fragments. (one of the green- gray shale fragments contained some chara fruit cases) and fragments of a limestone which contained a large amount of fragmental molds of fossil material and a small amount of glauconite and anhydrite.
	8608-281	Sample?
0	8628-581	Materials as above- molds of several small pelecypods and numerous specimens of a large, unornamented species of Ostracods common at this depth. (Cytherellascotti?, Cytherella comanchensis? and Cytherolteron sp. also present)
	8658-85°	Cuttings of dark gray-green shale and some fossiliferous limestone like the preceeding. A few Ostracods present.
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MOTOTITE NO & Cuttings of light tan colored limestone which contains 8748-781 a large amount of micro-fossiliferous and fragmental fossil molds (mainly non-determinable) Many sections of miliolids and Ophthalmididae moted. 8778-081 Like the preceeding. 8808-681 Immestone fragments as above, also many fragments of dark gray, some of dark blue-green and dull gray-brown shale. Mainly anhydrite and some tan succros dolomite which is 8838-681 apparently interbeeded with it. Anhydrite, cream colored hard limestone and some gray shale 8868-981 (probably caving.) Hard brown limestone, showing Miliolid sections, anhydrite and 8898-281 gray shale. Mainly anhydrite and light brown gray spotted, very finely 8928-581 granular (succros) dolomite. Some gray shale. Mainly anhydrite, some limestone and gray shale. 8958-881 8988-18 Like the preceeding. Anhydrite, gray and some greenish gray shale- a little lime-9018-481 stone interbedded with anhydrite. 9048-781 Like_the preceeding. Approx base Another sample. Same depth, shale, gray, dark blue-green, Punta Gorda. a few light reddish brown- some of green shale fragmentshave a few irregular shaped sideritid nodule. 9078-081 Beds of Dark gray dark blue-green, reddish brown streaked shale. Early Trinity Shale as in preceeding- many fragments of anhydrite, some 9108-381 of light borwn finely granular gray spotted dolomite. 9138-681 Sample. 9168-731 (core) \> Light gray, very finely granular, finely black streaked and spotted impure dolomite. The dark gray material seems to be due to presence of a large amount of finely shredded carbonaceous material. 9173-78 (core?0 Dark gray and greenish gray somewhat snady shale. This shale is also finely and thickly dtreaked with dark brownish gray pyritic carbonaceous material.

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spotting- carbonaceous.
                    Gray, impure succros dolomite many small fragments of
9168-73' core #65
                     carbonaceous material.
9173-78; core #67
                    Material similar to preceeding. Some inclusions of anhydrite
                     some thin fragments carbonafeous material.
9198-281
                     Cuttings of several types of limestone noted at higher
                     depths and sone fragments of anhydrite and gray shale.
9230-341 (core)
                     Moderately hard green-gray shale.
9234-421
                     Light gray finely carbonaceous impure, dolomitic limestone-
                     slightly sandy.
                     Dark gray shale- a few small fragments of carbonaceous material
9230-341 core #68
9234-42 core #69
                     Light cream colored succros dolomite- a few anhydrite inclusion
9228-581
                     Cuttings light brown finely granular gray spotted dolomit
                     and gray shale.
9258-881
                     Light tan dolomitic limestone, some gray and greenish gray
                     shale. Limestone highly gray spotted and apparently com-
                     posed largely fragmental fossil material too highly al-
                     tered to be determined.
92887181
                     Blue-green, and light beddish brown shale.
9292-941 (core) 101
                     Gray green shale, which contains some fragments of fossil
                     bivalves and some nudules of pink anhydrite.
                     Blue green and dull reddish brown shale and some fragments
9318-481
                     of a tan colored snady siltstone which is slightly glauconitic
9345-55 core : 1
                    Dark gray, moderate, hard shale.
9348-881
                     Dark gray and dull reddish brown shale and a few fragments
                     of gray spotted micro-fossiliferous limestone. (Fossil
                     material fragmental). Latter probably caving.
                     Gray shale with abundant fragments of fossil bivalves. Ostra?
9315-75
                     Some fragments of pink anhydrite.
9355-65
                     Greenish gray hard carbonaceous shale, showing many thin
                     streaks of carbonaceous material and carrying some fragments
                     of fossil bivalves.
9375-85 (core) 14 Gray, silty, calcareous shale which contains a large
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namental facati material mainle from any

- Dark greenish gray shale, some fragments of Bossil bivalves. 9355-651 core #72 Dark gray shale. 9365-751 core #73 . Dense, dark gray dolomitic limestone, some fragments of fossil 9375-851 core #74
- bivalves traces of micro-fossils, a highly bank the present Oug many Chafo - (E. - little may 31-56) Dark gray, irregular highly and finely sandy hard silty clay. 9395-05 core #75
- (dolomitic?) A trace of glauconite. Chop. June . 15' core #76 . Hard, dark greenish gray marly and irregular sandy limestone, 9405-151 core #76
- Moderately hard, white, argillaceous, very fine grained 9481-86' core #78 sandstone, slightly micaceous- colorless mica.
- 9 M 303 Moderately hard, fine grained2argillaceous white sandstone. 9486-90' core #79 Hard bluish green, irregularly sandy shake- with red-brown 9490-001 core #80
- ferruginois markings. C recus. Light tan gray highly sandy moderately hard clay, shale, 9500-061 core #81. sand grains- generally very fine, but some fine to moderate coarse grains present. Another sample. Light greenish gray, light reddish brown streaked and mottled highly sandy clay shale.
- Moderately hard light greenish gray argillaceous fine grained 9506-16' core #82 sandstone with dull red brown ferruginous streaks. Amother sample. Moderately hard argillaceous sandstone moderately fine grains. Sandstone irregularly streaked with gray green sand shale. Some pinkish yellow tinted grains present. Another sample. Light tan, moderately soft sandstone, sand grains moderately fine, mainly clear quartz- many grains
 - showing one or more uncut crystal faces. Some yallowish pink grains present. Little cement. Moderately hard sandstone. Light gray with some greenish 9516-21 core #83 gray mottled. Sand argillaceous moderately fine, yellowish pink grains present.

White, moderately hard argillaceous sandstone. Similar to

Light greenish gray argillaceous fine to moderately fine grains

preceeding in genreal character but size of grain moderately fine to very coarse. Light greenish gray, dull red-brown, mottled, hard, somewhat 9531-41° core #86 very finely sandy clay.

9521-31 core #84

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•	1.1		mabeled?)
9551-611	core	#87	Light blue-green and dull purplish brown mottled fine to moderatly fine grained argillaceous sandstone. Cement shaly in character.
9561-691	core	#88	Sandstone similar to above. Sand grains fine to very fine.
9569 - 791	core	#89	Top 3: Light green dull brownish red mottled moderately hard, argillaceous fine to very coarse grained sandstone.
·			Bot 3: Hard green shale with scat tered sands tene, general moderately coarse in size, Many grains of chalcedo
9573-831	core	#?	Anhydrite.
9579-891	core	#90	Top 4½": Dull, light reddish tan argillaceous sandstone or hard sandy clay. Sand grains fine to coarse. Bot 5½: Moderate hard dull reddish brown somewhat green mottled silty clay and blue green shale with some scattered sand grains.
9589-991	core	#9 1	Light reddish man micaceous siltstone and a reddish brown finely sandy, moderately hard clay. Sand about 25%. Top 5': Dull brownish red, slightly light green mottled, silty to finely highly sandy clay shale.
9599-091	core	#92	Dull fark grownish red, highly and finely sandy, somewhat micaceous clay shale.
9609-191	core	#93	Bright greenish blue mottled dull reddish brown, micaceous shaley sandstone. Sand grains fine to mederately fine.
9619-251	core	#94	Light blue green moderately hard shale irregularly sparsely to highly sandy Sand grains fine to moderately coarse.
9625-351	core	#95	Top 42: Dull red brown shaley, fine grained sandstone. Some pyritic areas. Bot 32: Light yellowish tan blue-green and reddish brown mottled highly sandsy shale. Sand is evenly distributed fine to moderately coarse-forms about 50% of material.
-/		110/	Dull have the med the less conditions on conditionals. Sand

- 9635-45° core #96 Dull, brownish red, shaley sandstone or sandy shale. San about 75%. Grains generally fine.
- 9645-55 core #97 Top 3½: Hard blue-green shale, somewhat mottled with dull red-brown. A small highly sandy area in the blue-green shale.

 Bot 2½: Gray highly sandy shale. Sand grains generally

coarse- majority of grains- moderately fine. Matrix shaley- about 25% of material. Blue-green somewhat mustard mottled Bot 31: highly sandy shale. (sand at least 25% of material) Sand poorly sorted Fine to coarse-generally moderately fine.

Fragments of dull reddish brown and some blue green and

Light blue green shale (sandy), Sand poorly 9665-75 core #99 sorted, very fine to moderately coarse.

gray shale. Dolomitic light gray, fine grained sandstone, slightly 9395-051 glauconitic.

9378-081

9528-581

9588**–1**8°

Gray, calcareous shale containing a large amount of 9405-15! (core) fragmental fossil material- mainly fragments of fossil bivalves similar to Ostrea. The shake is sandy and somewhat glauconitic.

Cuttings of dull reddish brown and gray shale. 9408-381 Like the preceeding with the addition of a small amount of fine sand.

Like the preceeding. Sand about 25% of sample. 9468-981 As above- with the addition of about 20% very fine grain 9498-281 silty sandstone; white and light green in color.

> Cuttings of dull reddish brown, * shale- and blue green and gray, irregularly sandy shale showing occasional fragments of fossil bivalves. A few fragments of white, argillaceous fine to moderately fine grained sandstone.

about 50% fine to moderately coarse quartzitic sand.

Shale as above, also numerous fragments of light 9558-881 bride red, finely sandy siltstone. Fragments of dull red brown and blue green shale and

Shale as above and a few fragments of purplish red 9618-488 shale. Sand also as above, many of the grains here yellow in color, some grains of feldspar.

Cuttings of gray, greenish gray and dull reddish 9648-78 brown shale and 50% fine bo moderately coarse sand.

9738-681 Like the preceeding. 9768-981 Similar to above. Coarse sand grains relatively much more abundant. 9398-301 Fine to coarse quartzitic sand and some grains of quartzite- (coarse grains dominant) and a small amount of fragments of various types of shale noted at slight higher depths. 9798-301 Similar to above, but shale fragments more common. 9830-601 Fine to coarse white, dull etched quartz and feldspath. sand- coarse to very coarse grains common. 9850-601 Fine to moderately coarse white sand- some coarse grains 9860-901 Fine to coarse sand and about 10% fragments of several types of shale noted at higher levels also some purplish red and gray mottled and blue green and mustard mottled shale fragments. 9850-601 core #112 Moderately soft, white, argillaceous sand-(Sie next, bage for cuts. stone grains fine to coarse, mainly clear quattz. Cement ashy in character. 9860-70 core #113 Sandy and micacous, bluish green siltstone. 9870-76° core #114 Light gray, moderately fine to very coarse grained, sandstone. Cement similar to to above. 9908-18' core #115 a Sandstone similar to preceeding in character, but moderately coarse grains dominant. 9918-28' core #116 Similar to preceeding. Sand averaging slight coarser. 9928-381 core #117 Moderately soft, white, argillaceous, moderately fine to mederately foarse grained sandstone。 9938-48° core #118 Fine to very coarse grained, argillaceous white sandstone. Grains of fledspar common. Some fragments of thinly laminated, micaceous gray green-shale. 9948-57° core #119 Sandstone as in predeeding core and greenish greenish gray shaly and sandstone or highly silty to sandy shale.

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	9966-76' core #	F121	Soft, white, argillaceous sandstone grains fine to very coarse- coarse grains common.	
	9995-100031 'Cox	re #122	Soft white, generally coarse grained sand- stone, cement ashy, white, light reddish brown and some pale blue green.	
	10003-10' core Base Lower Cret		Soft sandstone similar to preceeding, very coarse grains less abundant. Another sample: Top of Pre Cretaceous section in this well.	
•	9860-701		oarse white sand and some fragments of sand- m which it apparently washed.	
	9870-761		and greenish gray unctous coarsely sandy shale, to coarse sand.	
	9890-201	quartzite	oarse quartzitic sand, some feldspar and some grains. Abot 5% fragments of several types of ed at slightly higher depths.	
	9908-181		ery coarse grained white, slightly whlortic c sandstone.	
	9918-281		oarse white etcher sand and fragments of the showing ashy cement- a little green chloritic?	
	9928-381		oderately coarse, etched clear quartz some Sledspar.	
	9920-501	Light red	clay and fine to coarse quartzitic sand.	
	9938-481	Fine to c bentoniti	oarse sand, apparently washing from a c and slightly chloritic soft sandstone.	
	9950-801	Fine to very coarse white sand some yellow tinted * grains some feldspar.		
	9948-578	Fine to caorse sand, mainly clear quartz and some fragme		
	9957-661	of sandst Like the grains co	preceeding, but very coarse, small pebble size	
	9966-761	Like the	preceeding some chloritic material.	
	9980-101	Fragments like rock	of a sandy, tan, reddish and green, hard clay- , apparently an alteration product.	

10070-100' Like the preceeding.

10070-100' Material similar to preceeding darker in chlor.

10100-125' Greenish gray red brown mottled rock. (rockernia to ch. basement to che.)

10110-25' Like the preceeding.

E. A. affling