

P152

PERMIT NO. 152
 OWNER : Coastal Petroleum Co., 202 Petroleum Bldg.
 Tallahassee, Fla.
 FARM NAME : John Tiedtke & Wm. Schroeder #1
 LOCATION : Sec. 25, T42S, R33E, about 4 mi. NW
 of Clewiston, just south of Liberty Po.
 COUNTY : Glades
 ELEVATION : 14' DF
 STARTED : March 11, 1953
 COMPLETED : July 16, 1953
 CASING : 20" @ 54' w/40 sx; 13-3/8" @383' w/2.50
 sx; 9-5/8" @ 3456' w/100 sx
 DEPTH : 13,420'
 REMARKS : Salt water flow at 1221' killed with
 480 sx.
 DRILLER : T. B. Houck, Laurel, Miss, (Tri State
 Drilling Co.)
 USE : Test for oil
 REMARKS : 115 samples, 0-1220', brought in by
 Wendell Roberts, April 10, 1953,
 to remain confidential for 90 days
 after completion.
 Cores (258) from 11024' through 13236'
 brought into office by Joe Banks,
 Coastal Petroleum Co., Aug. 14, 1953

0-78	Sand and shells	11,839-12,182	Lime and shale
78-409	Sand, shale and lime	12,182-12,387	Lime, dolomite & anhydrite
409-840	Lime, shale and sandy clay		
840-1295	Lime	12,387-12,713	Lime
1295-2077	Lime, dolomite and boulders	12,713-13,252	Coring
2077-2409	Lime, dolomite and anhydrite	13,252-13,424	Lime, dolomite & anhydrite
2509-2995	Lime		Total depth
2995-3475	Lime and dolomite		
3475-3543	Lime		
3543-3684	Lime, shale, chert, anhydrite		
3684-4118	Lime		
4118-4197	Lime and dolomite		
4197-4881	Anhydrite & lime		
4881-5066	Lime		
5066-5298	Anhydrite and lime		
5298-5663	Dolomite and lime		
5663-6115	Dolomite, lime and chalk		
6115-7905	Lime		
7905-8188	Lime and shale		
8188-8443	Lime		
8443-9564	Anhydrite, lime and dolomite		
9564-9587	Dolomite, chert and lime		
9587-9711	Lime		
9711-10,264	Anhydrite, lime and dolomite		
10,264-10,409	Lime		
10,409-10,490	Anhydrite, chert and lime		
10,490-10,778	Lime		
10,778-11,024	Lime and dolomite		
11,024-11,498	Coring		
11,498-11,670	Dolomite and lime		
11,670-11,839	Lime		

COMPANY : Coastal Petroleum Co.
WELL : John Tiedtka Et Al #1
LOCATION : Sec 25, T42S-R33E
COUNTY : Glades
ELEV. : 25 DF (est.)
DEPTH : 13,408
COMPLETED : 7/10/53

REMARKS : No sample at 1220'-3474, 4450'-
7000', etc. Elec. Log available

CHEN 1963

0	800	MIOCENE AND YOUNGER
800	900	OLIGOCENE
900	1240	OCALA GROUP
1240	1670	AVON PARK LIMESTONE
1670	2515	LAKE CITY LIMESTONE
2515	3690	OLDSMAR LIMESTONE
3690	5410	CEDAR KEYS LIMESTONE
5410		UPPER CRETACEOUS (LAWSON LIMESTONE)
0	730	Miocene and Younger
730	800	Sandy (30% of phosphate pellets (20%) and quartz sands (10%), phosphate, dolomite, very fine crystalline, dark gray brown, dense
800	850	Fossiliferous LIMESTONE, finely fragmental, rather well cemented light brown with well preserved fossils rare
850	880	Fossiliferous LIMESTONE fragmental, rather porous, light brown, with shell fragments rather common
880	900	Fossiliferous LIMESTONE fragmental, very light brown, to brown, with shell fragments and forams
900	1000	Highly fossiliferous LIMESTONE, fragmental to microcoquina, very light brown to chalky white, with large forams as <i>Lepidocyclina</i> , etc. very common. The Limestone is almost entirely composed of large forams and its fragmen s
1000	1010	Highly fossiliferous (forams) LIMESTONE, microcoquina, biosparite

light brown, more or less microcrystalline with large forams as Lepido., Camerina, etc., abundant

- | | | |
|------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1010 | 1050 | As above, biosparite, microcrystalline, rather well cemented, light brown, pure and clean, with large forams as Operculinoides Amphistegina, Pinarensis, etc., common |
| 1050 | 1075 | Dolomitic (30%) fossiliferous LIMESTONE, light brown, rather soft and porous with scattered fine crystalline dolomite crystals common. (the rock may be a calcitic (30%) dolomite |
| 1075 | 1150 | Highly fossiliferous LIMESTONE biosparite, finely fragmental, to microcoquina, light brown to brown with large forams common and slightly dolomitic |
| 1150 | 1180 | DOLOMITE, fine to medium crystalline, porous and soft, brown, with good dolomite crystals |
| 1180 | 1215 | Highly fossiliferous LIMESTONE, biosparite, fragmental, light brown with forams rather common |
| 1215 | 1240 | DOLOMITE, medium crystalline, porous and soft, brown with good dolomite crystals |
| 1240 | 1350 | Fossiliferous LIMESTONE |
| 1350 | 1360 | DOLOMITE, fine crystalline |
| 1360 | 1400 | Fossiliferous LIMESTONE |
| 1400 | 1405 | DOLOMITE, fine crystalline |
| 1405 | 1425 | Fossiliferous LIMESTONE |
| 1425 | 1430 | DOLOMITE, fine crystalline |
| 1430 | 1470 | Fossiliferous LIMESTONE |
| 1470 | 1490 | Calcitic (20%) DOLOMITE, fine crystalline |
| 1490 | 1655 | Fossiliferous LIMESTONE |
| 1655 | 1670 | DOLOMITE, fine crystalline |
| 1670 | 1710 | Fossiliferous LIMESTONE |
| 1710 | 1740 | DOLOMITE, fine crystalline |
| 1740 | 1750 | DOLOMITE, fine crystalline with carbonaceous material |

1750	1760	Black Peat (and underclay)
1760	1780	DOLOMITE, fine crystalline with carbonaceous material
1780	1820	DOLOMITE, fine crystalline
1820	1900	Fossiliferous LIMESTONE
1900	1920	DOLOMITE, fine crystalline
1920	2070	Fossiliferous LIMESTONE (thin dolomite beds may interbedded with the Limestone)
2070	2515	DOLOMITE, fine to coarse crystalline
2515	2670	Fossiliferous LIMESTONE
2670	2700	DOLOMITE, fine crystalline
2700	2730	Fossiliferous LIMESTONE
2730	2760	DOLOMITE, fine to medium crystalline
2760	2825	Fossiliferous LIMESTONE
2825	2920	DOLOMITE, fine crystalline
2920	2990	LIMESTONE
2990	3020	DOLOMITE, fine to medium crystalline
3020	3120	DOLOMITE, medium to coarse crystalline
3120	3300	DOLOMITE, fine to medium crystalline
3300	3345	Gypsiferous (10%) DOLOMITE, very fine crystalline
3345	3407	Dolomitic (30%) ANHYDRITE
3407	3440	Gypsiferous (30%) DOLOMITE, very fine crystalline
3440	3475	Dolomitic (30%) ANHYDRITE
3475	3515	ANHYDRITE
3515	3525	Dolomitic (30%) ANHYDRITE
3525	3565	ANHYDRITE

3565	3580	Gypsiferous (10%) DOLOMITE, microcrystalline to very fine crystalline, gray brown
3580	3595	ANHYDRITE
3595	3600	Gypsiferous (10%) DOLOMITE, as above
3600	3605	Dolomitic (30%) ANHYDRITE
3605	3610	Gypsiferous (10%) DOLOMITE, as above
3610	3620	ANHYDRITE
3620	3630	Gypsiferous (10%) DOLOMITE, as above
3630	3655	ANHYDRITE
3655	3665	Gypsiferous (10%) DOLOMITE, as above
3665	3690	ANHYDRITE
3690	3755	Fossiliferous LIMESTONE, fragmental, rather well cemented, dense, light gray brown, slightly gypsiferous with forams as Borelis, etc., and carbonaceous material. The Limestone may be slightly dolomitic
3755	3800	Calcitic (10%) DOLOMITE, rather dense, gray to gray brown, microcrystalline, slightly argillaceous
3800	3810	DOLOMITE, very fine to microcrystalline, dark gray brown, rather dense and slightly argillaceous and gypsiferous
3810	3850	Calcitic (10%) DOLOMITE, microcrystalline, gray brown
3850	3880	LIMESTONE, light gray brown, slightly argillaceous
3880	3900	Dolomitic (30%) ANHYDRITE, DOLOMITE, microcrystalline, gray and slightly argillaceous
3900	3920	DOLOMITE, micarocrystalline, gray brown, argillaceous and gypsiferous
3920	3990	LIMESTONE, gray brown, slightly argillaceous and gypsiferous
3990	4010	Dolomitic (30%) ANHYDRITE
4010	4035	LIMESTONE as above, slightly dolomitic

4035	4045	Gypsiferous (30%) DOLOMITE, microcrystalline
4045	4060	LIMESTONE, slightly argillaceous and gypsiferous, gray brown
4060	4070	Gypsiferous (30%) DOLOMITE, microcrystalline, slightly calcitic and argillaceous
4070	4095	Gypsiferous (10%) DOLOMITE, microcrystalline, light brown to light gray brown
4095	4105	Dolomitic (30%) ANHYDRITE
4105	4150	Gypsiferous (10%) DOLOMITE, as above
4150	4170	Dolomitic (30%) ANHYDRITE
4170	4185	Gypsiferous(10%) DOLOMITE as above
4185	4210	ANHYDRITE
4210	4220	Gypsiferous (10%) DOLOMITE, as above
4220	4245	ANHYDRITE
4245	4265	Gypsiferous (10%) DOLOMITE, as above
4265	4290	ANHYDRITE
4290	4360	Gypsiferous (10%) Fossiliferous DOLOMITE, microcrystalline, light gray brown with forams as Borelis, etc., rather common
4360	4365	Gypsiferous (30%) fossiliferous DOLOMITE, as above
4365	4390	Gypsiferous (10%) DOLOMITE, as above
4390	4410	ANHYDRITE
4410	4420	Gypsiferous (10%) DOLOMITE, microcrystalline, light gray brown
4420	4450	ANHYDRITE
4450	4460	Gypsiferous (10%) DOLOMITE, as above
4460	4480	ANHYDRITE

4530	4560	ANHYDRITE
4560	4580	Gypsiferous (10%) DOLOMITE, as above
4580	4625	ANHYDRITE
4625	4635	Gypsiferous (10%) DOLOMITE, as above
4635	4650	ANHYDRITE
4650	4670	Gypsiferous (10%) DOLOMITE, as above
4670	4690	ANHYDRITE
4690	4710	Gypsiferous (10%) DOLOMITE, as above
4710	4720	ANHYDRITE
4720	4730	Gypsiferous (10%) DOLOMITE, as above
4730	4780	ANHYDRITE
4780	4790	Gypsiferous (10%) DOLOMITE, microcrystalline
4790	4805	ANHYDRITE
4805	4815	Gypsiferous (10%) DOLOMITE, as above
4815	4855	ANHYDRITE
4855	4865	Gypsiferous (10%) DOLOMITE, as above
4865	4875	ANHYDRITE
4875	4895	Gypsiferous (10%) DOLOMITE, as above
4895	4905	ANHYDRITE
4905	4920	Gypsiferous (10%) DOLOMITE, as above
4920	4940	ANHYDRITE
4940	4950	Gypsiferous (10%) DOLOMITE, as above
4950	4975	ANHYDRITE
4975	5065	Gypsiferous (30%) DOLOMITE, microcrystalline

5065	5095	ANHYDRITE
5095	5205	Dolomitic (30%) ANHYDRITE
5205	5225	ANHYDRITE
5225	5270	Gypsiferous (30%) DOLOMITE, microcrystalline
5270	5290	Gypsiferous (10%) DOLOMITE, as above
5290	5390	Gypsiferous (30%) DOLOMITE, as above
5390	5410	Gypsiferous (10%) DOLOMITE, as above
5410	5435	Gypsiferous (10%) DOLOMITE, very fine to fine crystalline, brown to dark brown, rather pure?
5435	5850	DOLOMITE, very fine to fine crystalline
5850	5965	Chalky LIMESTONE
5965	6025	DOLOMITE
6025		Chalky LIMESTONE
6226?		Taylor Peak

OWNER : Coastal Petroleum Co., Well,
John Tiedtke & Wm. Schroeder
LOCATION : Sec. 25, T42S, R33E.
COUNTY : Glades
DRILLER : Tri-State Drilling Co.
STARTED : 3/11/53
COMPLETED : 7/11/53
ELEVATION : 25' DF EST
DEPTH : 13, 424
REMARKS : 115 samples, 0-1220' brought
in by Wendell Roberts, April
10, 1953. To remain confiden-
tial for 90 days after completion
Cores from 11,024' through
13,236' were brought into office
by Joe Banks, Coastal Petroleum
Co. 8/14/53. 227' N. & 71' E
of SW/c of NW/4 of Sec. 25, T42
R33E, 299 additional samples
brought in by A. Gilliam 9/24/53
(1200-9800).

Top Big Cypress Group 9265
Dollar Bay Fm.

9265-90 Anhydrite, white.
290-300 Limestone, calcarenitic, 100 per cent grains, cream; medium skeletal grains; Miliolidae. 20 per cent pin point porosity, intercrystalline.
9300-15 Dolomite, brown, microcrystalline. 5 per cent pin point porosity, intercrystalline.
315-20 Limestone, calcarenitic, 60 per cent grains, cream; medium skeletal grains; Miliolidae. 5 per cent pin point porosity.
320-30 Limestone, calcarenitic, 100 per cent grains, cream; medium skeletal grains: 15 per cent pin point porosity. Miliolidae, chalky.
330-65 Dolomite, euhedral, tan, very fine crystalline. 10 per cent pin point porosity, intercrystalline.
365-75 Dolomite, tan, microcrystalline. 10 per cent pin point porosity chalky.
375-80 Dolomite, light gray with black spots, microcrystalline.
380-90 Anhydrite, white.
390-95 Dolomite, tan, microcrystalline.
395-405 Limestone, calcilutitic, cream. 10 per cent pin point porosity. Chalky.
9405-25 Dolomite, tan, microcrystalline. Chalky
425-30 Limestone, calcilutitic, cream, chalky.
430-35 Dolomite, tan, microcrystalline. Chalky
435-55 Anhydrite, white.

- 455-65 Dolomite, cream, microcrystalline.
 465-70 Limestone and dolomite, calcilutitic, 40 per cent grains, cream; medium skeletal grains; Miliolidae; 30 per cent dolomite crystals.
 470-80 Dolomite, tan, microcrystalline. 10 per cent pinpoint porosity chalky.
 480-95 Dolomite, tan, very fine crystalline. 5 per cent pin point porosity.
 495-505 Dolomite, cream, microcrystalline. 10 per cent pin point porosity chalky.
 9505-25 Dolomite, euhedral, brown, very fine crystalline. 15 per cent intercrystalline pin point porosity.
 525-45 Dolomite, anhedral, tan, microcrystalline.
 545-60 Dolomite, anhedral, dark brown, microcrystalline.
 560-65 Limestone and dolomite, calcilutitic, 30 per cent grains. Tan; medium skeletal grains; occasional black grains; 10 per cent dolomite.
 565-75 Limestone, calcilutitic, gray; occasional black grains.
 575-80 Limestone and dolomite, calcilutitic tan; 30 per cent dolomite crystals. Chalky.
 580-600 Limestone, calcilutitic, 10 per cent grains, cream; coarse fossil fragments, chalky.
 9600-12 Limestone, calcilutitic, tan; coarse black grains.
 612-35 Limestone, calcilutitic, gray; occasional coarse black grains. Pyritic.
 635-40 Dolomite, dark gray, microcrystalline, chalky.
 640-45 Limestone, calcilutitic, gray.
 645-55 Dolomite, brown, very fine crystalline.
 9655-57 Anhydrite, white.
 657-93 Limestone, calcilutitic, gray and dark gray; occasional coarse black grains.
 693-96 Dolomite, euhedral, brown, very fine crystalline. 10 per cent pin point porosity, intercrystalline.
 696-98 Dolomite, gray, microcrystalline. chalky.

Gordon Pass Fm 9698

- 9698-720 Anhydrite, white.
 9720-25 Dolomite, calcareous, dark gray, very fine crystalline; 30 per cent calcareous.
 725-35 Limestone, calcilutitic, gray.
 735-40 Dolomite, gray, microcrystalline. Chalky
 740-55 Anhydrite, gray and white.
 755-60 Dolomite, black and dark gray, microcrystalline.
 760-70 Dolomite, euhedral, tan, very fine crystalline. 10 per cent pin point porosity, intercrystalline.
 770-80 Dolomite, gray and tan, microcrystalline. Chalky
 780-95 Limestone, calcilutitic, medium gray.
 795-800 Limestone, calcilutitic, 1 per cent grains. Tan; medium skeletal grains.
 9800-03 Anhydrite, white
 803-13 Limestone, calcilutitic, gray-brown.

- 813-16 Limestone, calcilutitic, 3 per cent grains. Tan; coarse skeletal grains.
- 816-21 Dolomite and anhydrite, brown, microcrystalline; 30 per cent anhydrite in white nodules.
- 821-33 Anhydrite, white.
- 833-36 Limestone, calcilutitic, gray-brown.
- 836-41 Dolomite, brown, microcrystalline.
- 841-46 Limestone, calcilutitic, gray-brown.
- 846-57 Anhydrite, white.
- 857-61 Dolomite, gray-brown, microcrystalline. chalky.
- 861-67 Dolomite, anhedral, tan, fine crystalline. trace pin point.
- 867-71 Limestone, calcilutitic, gray-brown.
- 871-80 Dolomite, anhedral, tan, fine crystalline. 10 per cent pin point porosity.
- 880-923 Dolomite, gray-tan, microcrystalline. Chalky, 10 per cent pin point porosity, intercrystalline.
- 9923-32 Dolomite; brown with black mottlings, microcrystalline.
- 932-38 Dolomite, anhedral, tan, very fine crystalline; black specks.
- 938-41 Limestone and dolomite, calcarenitic, 70 per cent grains. tan; coarse skeletal grains; Miliolidae; 30 per cent dolomite.
- 941-44 Dolomite, anhedral, brown, microcrystalline. Trace of pin point porosity.
- 944-51 Dolomite, medium gray, microcrystalline. Chalky
- 951-53 Anhydrite, white.
- 953-55 Dolomite, anhedral, tan, microcrystalline.
- 955-60 Limestone, calcarenitic, 100 per cent grains. Tan; fine skeletal grains. 5 per cent pin point porosity.
- 960-75 Dolomite, euhedral, brown, microcrystalline. 15 per cent pin point porosity.
- 975-80 Dolomite, dark gray, microcrystalline.
- 980-94 Dolomite, anhedral, brown, microcrystalline.
- 994-96 Limestone, dolomite, calcarenite, 70 per cent grains. tan; fine skeletal grains; 50 per cent dolomite.
- 996-98 Dolomite, dark gray, microcrystalline.
- 998-001 Anhydrite, white.
- 10001-03 Dolomite, brown, microcrystalline.
- 003-10 Limestone, calcarenitic, 60 per cent grains, brown; coarse skeletal grains; Miliolidae.
- 010-23 Dolomite, calcilutitic, 40 per cent grains, brown and gray, microcrystalline; coarse skeletal grains; Miliolidae. 10 per cent pin point porosity.
- 023-30 Limestone, calcilutitic, 40 per cent grains, cream; fine skeletal grains chalky.
- 030-60 Limestone, calcilutitic 20 per cent grains, cream; very fine skeletal grains. Chalky.
- 060-72 Limestone, calcarenitic, 100 per cent grains, cream; very fine skeletal grains. 20 per cent intercrystalline pin point porosity chalky.

- 072-90 Limestone, calcarenitic, 100 per cent grains, cream; medium skeletal and oolite grains; Miliolidae. 20 per cent pin point porosity, intercrystalline.
- 090-100 Dolomite, anhedral, brown, microcrystalline. 10 per cent pin point porosity.

Top Marco Junction 10100

No further samples available.

FLORIDA-BAHAMA PLATFORM REGION

Well Sample Data Sheet

Operator and Well No.

Coastal Petroleum Co.
Tiedtke & Schroeder #1

State: Florida

County: Glades

Sample Accession No. W- 2912

Location:

T.42 S/R.33 E/Sec. 25

Interval Sampled: 1200'-13236'

No. of Samples: 299+?

Elevation: 14' DF

Cuttings: 299 (1200'-9800')

Total Depth: 13440'

Cores: ? (11024-13236')

Date of Completion: 7/20/53

E-log Interval: E-log available
100'-13408' ✓

Summary of Stratigraphy

Source of Data:

C. S. Chan, 1965

Depth to top = (Samples & E-log)

3690' Cedar Keys Ls. (Paleocene)

5410' (or 5480') Lawson Ls. (UK)

6025' Taylor?

State: Florida

County: Glades

Sample Accession No.: W-2912

Sample Examined By: C. S. Chen

Date: 3/16/71

Sample Description

Depth (feet)	Description
	<p><i>Remarks:</i></p> <ol style="list-style-type: none"><li data-bbox="516 615 1295 762">1. Cutting sample intervals: 7000'-9800' 20-foot — 7000'-7980' 10-foot — 8130'-9800' No cutting samples at 7980'-8130', 8140'-8190'.<li data-bbox="516 804 1482 846">2. Core interval: 11024'-11495', 12713'-13236'.<li data-bbox="516 930 1596 1035">3. Cuttings were finely crushed and were not washed. It is, therefore, very difficult to study.

State: Florida County: Clades Sample Accession No.: W-2912
 Sample Examined By: C. S. Chen Date: 3/16/71

Brief Sample Description

Depth (feet)	Description
7000-7540	<p>Limestone — Chalky, very light gray, cryptocrystalline; clean and pure. microfossils and megafossil fragments (Zonitoides prisms, etc.) present; a lime mudstone.</p> <p>Limestone becoming darker (very light gray to light gray) at 7420-7540' with very fine dolomite crystals scattered in the rock.</p>
7540(?)	<p>Probable top of rocks of Austin age.</p>
7540'-7920	<p>Limestone — very light gray to light gray, more or less chalky cryptocrystalline, rather clean; dark gray to black carbonaceous and/or argillaceous laminae present. Samples becoming lighter and chalky at 7740'-78</p>
7920(?)	<p>Probable top of Atkinson Formation</p>
7920-8160	<p>Limestone — Light gray, rather dense, cryptocrystalline, more or less chalky; interbedded with dark gray argillaceous limestone and calcareous shale lenses; a lime mudstone.</p> <p>Dark greenish gray bentonitic clay beds present near the basal part of the formation (8070'-8160'). This distinctive clay unit has been used to indicate the presence of the Atkinson Formation.</p>
8160	<p>Probable top of rocks of Washita age (Lower Cretaceous)</p>
8160-9440	<p>Rocks at this interval are probably of Washita age (Lower Cretaceous). Limestone, anhydrite, and dolomite are intercalated. The major rock types are dolomite</p>

State: Florida County: Glades Sample Accession No.: W-2912

Sample Examined By: _____ Date: _____

Brief Sample Description

Depth (feet)	Description
	<p>and anhydrite. Lithologically, the samples are very similar to those samples of well W-4661 (Palm Beach Co., Florida) except dolomite becomes a major rock type in this well (W-2912).</p>
	<p>Limestone — Pale yellowish brown, rather dense, cryptocrystalline microfossils (forams, etc.) present and occasionally becoming common; megafossil fragments also present; dark gray carbonaceous and/or argillaceous laminae present at various depths. Lime wackestone dominant; lime packstone and mudstone also common.</p>
	<p>Anhydrite — White to pinkish gray, massive and modular mosaic,</p>
	<p>Dolomite — Light brown ^{to brownish gray,} rather dense to slightly porous, microcrystalline ^{to finely crystalline,} (dolomite dominant at 8450'-9440')</p>
	<p>The detailed ^{vertical} lithological distribution can be interpreted on the basis of the amplified sample log and electric log.</p>
	<p>Microfossils present at 8700'-8710'.</p>
9440-	<p>Probable top of rocks of Fredericksburg age.</p>
9440-9800	<p>Dolomite and anhydrite are the principal rock types present at this interval. Dolomite — Brownish gray, dense to slightly porous, very fine to finely crystalline. Limestone — Fossiliferous, microlites and Dictyoconus rather common at 9570'-9600'; black or dark gray</p>

State: Florida County: Glades Sample Accession No.: W-2912

Sample Examined By: _____ Date: _____

Brief Sample Description

Depth (feet)	Description
	<p>argillaceous limestone beds also present; dense, cryptocrystalline, brownish gray to dark gray. Limestone dominant at 9570'-9680'.</p>

State: FloridaCounty: CitrusSample Accession No.: W-2912

Sample Examined By: _____

Date: _____

Brief Core Sample Description

Depth (feet)	Description
11024-11049	In Sunnland Limestone (10880'-11049') Limestone — medium gray to dark gray, dense, microcrystalline. microfossils (forams. etc.) very common in cores at 11031, 11039' and 11041'-11044'; Shell molds present at 11031, 11039. Black carbonaceous-rich laminae present; extractable organic matter content generally low (< 50 ppm?).
11049	Probable top of rocks of Early Trinity age
11049-50	Anhydrite — very light gray, dolomitic, nodular-mosaic, dark gray dolomite matrix present
11050-53	Dolomite — Dark gray, dense, microcrystalline
11053-56(?)	Anhydrite — very light gray, dolomitic, nodular-mosaic
11056(?) - 59	Dolomite — Medium dark gray, anhydritic, microcrystalline, dense, anhydrite nodules rather common
11059-11081	Anhydrite — White to pinkish gray, massive, dolomite matrix probably present near the top and base of the unit.
11081-83	Dolomite — Anhydritic, medium dark gray, dense, microcrystalline. Anhydrite nodules present.
11083-11097	Anhydrite — very light gray to pinkish gray, massive and nodular-mosaic with dolomite matrix.
11097-11100	Dolomite — Slightly anhydritic, light olive gray, dense, microcrystalline, scattered anhydrite crystals (periphyroblasts) present.
11100-11133	Anhydrite — white to brownish gray, massive and nodular mosaic (near the top and basal part of the unit).
11133-11134	Dolomite — Dark gray, dense, microcrystalline, a primary dolomite (?)

State: FloridaCounty: GladesSample Accession No.: W-2912

Sample Examined By: _____

Date: _____

Barrel core Sample Description

Depth (feet)	Description
11134-35	Dolomite — Fossiliferous, medium gray, dense, microcrystalline, dolomitized but still traceable microfossils (<i>Dicellogonus</i> , etc.) rather common. The original rock probably a fossiliferous lime rock. Anhydrite crystals (porphyroblastic type) also present.
11135-37	Anhydrite — Very light gray, massive.
11137-38	Dolomite — Dark gray, dense, "lithographic", microcrystalline.
11138-47	Anhydrite — Massive to nodular-mosaic.
11147-50	Dolomite — Fossiliferous, microcrystalline, brownish gray, black carbonaceous material present (laminae).
11150-53	Anhydrite — Calcitic, brownish gray, very coarsely crystalline, microfossils present in the limestone matrix.
11153-58	Anhydrite — Calcitic, white, microfossils present in the limestone matrix.
11158-11161	Limestone — Brownish gray to dark gray, cryptocrystalline, anhydrite at 11158'-59' (porphyroblasts).
11161-63	Anhydrite — White, nodular-mosaic, limestone and dolomite matrix present, miliolids present.
11163-65	Limestone — Fossiliferous, brownish gray, cryptocrystalline.
11165-69	Anhydrite — Very light gray, nodular-mosaic.
11169-77	Limestone — Highly fossiliferous (miliolids, etc.), brownish gray, lime packstone, miliolids abundant.
11177-79	Limestone — Dark gray, dense, cryptocrystalline, "lithographic".
11179-206	Anhydrite — White to very light gray, massive and nodular mosaic (dolomite and calcite) at 11190'-11196'.
11206-11208	Dolomite — Anhydritic, dark gray, cryptocrystalline to microcrystalline.
11208-211	Anhydrite — massive, pinkish gray.

State: Florida

County: Glades

Sample Accession No.: W-2912

Sample Examined By: _____

Date: _____

Sample Description

Depth (feet)	Description
11211-216	Dolomite — Anhydritic, medium gray, dense, microcrystalline anhydrite nodules and streaks common.
11216-264	Anhydrite — white to light gray, massive to nodular-mosaic.
11264-266	Dolomite — Slightly anhydritic, dark gray, ^{dense,} microcrystalline
11266-270	Anhydrite — massive to nodular-mosaic.
11270-274	Dolomite — Anhydritic, dark gray to brownish gray, dense, microcrystalline; brown oil-like stains present at 11272'-11274' with low extractable organic matter content (100±ppm).
11274-309	Anhydrite — massive to nodular-mosaic.
11309-312	Dolomite — dark gray to medium gray, dense, microcrystalline, slightly anhydritic near the basal part.
11312-317	Anhydrite — Dolomitic; nodular-mosaic.
11317-346	Anhydrite — massive, a trace of dark gray dolomite matrix.
11346-350	Anhydrite — Dolomitic, nodular-mosaic.
11350-359	Dolomite — Dark gray, dense, microcrystalline; black carbonaceous material (laminae, etc.) present; extractable organic matter content very low (10-50 ppm.)
11359-362	Anhydrite — Dolomitic, nodular-mosaic.
11362-368	Dolomite — Dark gray, dense, cryptocrystalline to microcrystalline
11368-371	Anhydrite — massive to more or less nodular-mosaic.
11371-378	Dolomite — Dark gray, dense, cryptocrystalline to microcrystalline, slightly argillaceous
11378-390	Anhydrite — massive to nodular-mosaic.
11390-403	Dolomite — Medium gray to dark gray, dense, microcrystalline, a few anhydrite crystals (periplumbasts) and black carbonaceous material (irregular laminae) present; extractable organic matter content very low (< 50 ppm).

State: FloridaCounty: CitrusSample Accession No.: W-2912

Sample Examined By: _____

Date: _____

Brief core Sample Description

Depth (feet)	Description
11403-409	Limestone — Fossiliferous, dolomitic, dense, dark gray, cryptocrystalline; black carbonaceous and argillaceous(?) material present; a lime wackestone; microfossils and fossil fragments common. ✓ Extractable organic matter content extremely low (10 ppm.)
11409-415	Dolomite — Slightly calcitic, medium gray to brownish gray, dense, microcrystalline; brownish black carbonaceous material present at 11411' - 412'.
11415-419	Limestone — Fossiliferous, dolomitic, cryptocrystalline, dense, dark gray, black carbonaceous material present.
11419-425	Dolomite — Brownish gray, dense, microcrystalline.
11425-441	Limestone — Calcitic, dark gray, dense, cryptocrystalline, microfossils and fossil fragments present.
11441-446	Dolomite — Olive gray, dense, microcrystalline,
11446-450	Anhydrite — Massive.
11450-467	Limestone — Highly fossiliferous, dark yellowish brown, cryptocrystalline; dense, microfossils (microbids, etc.) ^{abundant} and megafossil fragments (shells, etc.) present. ✓ Extractable organic matter content very low.
11467-470	Dolomite — Dark gray, dense, microcrystalline; black carbonaceous material present in the stylolites.
11470-11500	Limestone — Dark gray to black; dense, cryptocrystalline; fossils (forams and shells) abundant in cores at 11478' - 11483'; "lithographic" black limestone showing low (50 ppm ±) extractable organic matter.

Remarks: 1. Both limestones and dolomites at 11470' - 11500' are predominantly dark gray in color.
2. Extractable organic matter content is very

State: FloridaCounty: GladesSample Accession No.: W-2912

Sample Examined By: _____

Date: _____

Sample Description

Depth (feet)	Description
	low (10-100 ppm). 3. A trace amount of argillaceous material is probably present in most of these samples 4. Samples are dense and have very low porosity.
11500-12713	No cores available.
12713-756	Limestone - Fossiliferous and nonfossiliferous, brownish gray to dark gray or black, dense, cryptocrystalline, lithographic and nonfossiliferous at 12715-720', 12737-740', 12748'-750'.
12756-778	Anhydrite - Very light gray to dark gray, massive to nodular mosaic, dolomite matrix and thinly bedded dolomite present.
12778-12790	Dolomite - Brownish gray, very finely crystalline, hard and dense for white anhydrite nodules ^{in cores} present at 12778-12783'.
11790-11796	Anhydrite - White to light gray, massive
11796-11799	Limestone - Medium gray, cryptocrystalline, dense, hard, fossil remains traceable but poorly preserved.
12798-12802	Dolomite - Very finely crystalline to cryptocrystalline (dark gray and lithographic), carbonaceous material present
12802-12818	Anhydrite - massive
12818-12820	Dolomite - Anhydritic and oolitic.
12820-12823.	Anhydrite - massive
12823-12824	Dolomite - Cryptocrystalline, hard, dense, laminated.
12824-12838	Anhydrite - massive
12838-12845	Dolomite - Anhydritic, cryptocrystalline, hard, dense, anhydrite forming nodules and fine lenses.

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Sample Examined By: _____

Date: _____

Sample Description

Depth (feet)	Description
12845-12850	Anhydrite — Massive, light brownish gray to dark gray.
12850-12853	Dolomite — Medium gray, cryptocrystalline, hard and dense, interbedded with thin anhydrite beds (< 1") and black argillaceous dolomite laminae.
12853-12858	Anhydrite — massive
12858-12862	Dolomite — Anhydritic, greenish gray bentonitic clay-like argillaceous material probably present too.
12862-12868	Anhydrite — Dolomitic.
12868-12887	Anhydrite — massive.
12887-12888	Dolomite. — Interbedded with anhydrite beds.
12888-12891	Anhydrite — massive
12891-12893	Dolomite — Anhydritic and probably slightly argillaceous, dark gray, hard, dense, cryptocrystalline.
12893-12912	Anhydrite — very light gray to light gray, massive,
✓ 12912-12918	Anhydrite — bentonitic, moderate orange pink, nodular, with olive gray bentonitic clay as matrix.
12918-12925	Anhydrite — massive
12925-12933	Anhydrite — Dolomitic, nodular.
12933-12935	Dolomite — Brownish gray, cryptocrystalline, hard and dense.
12935-12946	Dolomite — Anhydritic, light brownish gray, dense and hard, very finely (or cryptocrystalline) crystalline, microfossils (forams) mostly replaced by crystalline anhydrite. <u>Black dead oil</u> (asphalt-like) material present in samples at 12935'-12938'.
12946-12951	Limestone — Highly fossiliferous, ^{oolitic} pale yellowish brown, dense and hard, microfossils (miliolids, etc.) and megafossils (Puzosia? and other shells) common to abundant. <u>black dead oil</u> (extractable by organic solvent) present in core at 12946'-12953'. oolite grains also common.

State: Florida

County: Glades

Sample Accession No.: W-2912

Sample Examined By: _____

Date: _____

Brief Core

Sample Description

Depth (feet)	Description
12933	Top of Fort Pierce Formation (based on samples and electric log).
12981-12988	Limestone — Medium gray, lithographic, hard and dense; fossils very rare.
12988-13008	Limestone — Same as samples at 12946'-12981'; except megafossils (shells, etc.) becoming much less common; extremely low extractable organic material. Black organic material (carbonaceous) present in cores at 12991'-12993', 12996'-12997'.
13008-13017	Limestone — Brownish gray, dense, cryptocrystalline.
13017-13075	Limestone — Fossiliferous and oolitic, same as samples at 12988'-13008'.
13075-13146	Limestone — Fossiliferous and oolitic, same as samples at 12988'-13008'; interbedded with brownish gray dense limestone beds; black carbonaceous material (styrolitic) present at 13088'-13093'.
13146-13153	Limestone — Brownish gray, very dense, chert-like, cluster of oolite grains present.
13153-13163	Anhydrite — Calcitic (gray limestone matrix), nodular.
13163-13164	Limestone — Same as samples at 13146'-13153'.
13164-13173	Limestone — Fossiliferous and oolitic; same as samples at 13075'-13146'; black carbonaceous material present at 13169'-13173'; extremely low extractable organic ^{material} content.
13173-13198	Limestone — Brownish gray, chert-like limestone same as samples at 13146'-13153'.
13198-13203	Limestone — Fossiliferous and oolitic; same as samples at 13164-13173'.

State: FloridaCounty: GladesSample Accession No.: W-2912

Sample Examined By: _____

Date: _____

Brief Core Sample Description

Depth (feet)	Description
13203-13210	Limestone — Dark gray, very dense, chert-like.
13210-13213	Limestone — Same as samples at 13203-13210, black argillaceous limestone laminae and lenses present.
13213-13220	Limestone — Fossiliferous and oolitic, same as samples at 13164'-13173'
13220-13226	Anhydrite — Calcite, nodular, ^{with} brownish gray and chert-like limestone matrix rather common (30-40%).
13226-13229	Limestone — brownish gray to medium gray, very dense, ^{very} slightly anhydritic, shell (Aucella?) fossils very abundant at 13226'-13227'.
13229-13230	Dolomite — Pale yellowish brown, dense, cryptocrystalline to microcrystalline,
13230-13234	Limestone — Brownish gray, very dense, chert-like, black carbonaceous material present at 13230'-13234'
13234-13236(?)	Limestone — Pale yellowish brown, dense, highly fossiliferous and oolitic; forams abundant, shell fossils present.

Remarks:

A highly fossiliferous and oolitic limestone section (12933'-13236') was cored in this well. Lithologically and faunally, it marks the uppermost part of the Fort Pierce Formation (lowest Lower Cretaceous and Jurassic age).

P152

Coastal Petroleum Company
#1 Tiedtke & Schroeder
Sec. 25-45S-33E
Glades County, Florida
Report by: E. R. Applin
Date: June 1953.
Joe Banks, Geologist, Coastal
Petroleum Company cuttings.

Herewith report on samples studied from the Coastal Petroleum, #1 Tiedtke & Schroeder
Glades County, Florida.

9558' -
in
Fredericksburg
Top 9995'
COSC.
TEX OK
JM

Cuttings of moderately hard, cream colored chalk and fragments of moderately hard, highly and very finely crystalline, dolomitic chalk. Both types of material contain much fragmental, fossiliferous material which is in part pyritised giving a gray-spotted appearance to the material. Specimens of Coskino-line ^{see + Exon 15} ~~adkinsi~~ present in both types of material mentioned. This is one of the Key micro-fossils found in the Fredericksburg Lower Cretaceous formation in southern Peninsular Florida.

Top of Trinity - 10,000'
11000' -
in
Sunnyland
l.s.
Top = 10910'

Sample of fragments of tan, finely crystalline, chalky dolomite and moderately hard, tan, chalky limestone. Both types of material contain abundant specimens of Dictyoconus ^{Floridaensis} and Orbitolina species B. Key fossils for the Sunnyland zone of the Trinity (Lower Cretaceous) in southern Peninsular Florida.

11000 - 11010'
ORBITS OK
Dictyoconus 15
V. Broad, Large
Species

Cutting of cream colored, moderately hard, chalky limestone, irregular highly and finely dolomitic. Contains many specimens of Dictyoconus S. and Orbitolina species B.

Note - From study of cored section, top of first thick lense of anhydrite below Sunnyland zone, 11,049' - Top Punta Gorda.

11144' - (see next page)
11170' -

Sample of gray limestone from Core #3. Thin lense of limestone between relatively thick lenses of anhydrite. A hard, dense, highly oolitic limestone. Contains many specimens of Quinqueloculina sp. and some specimens of other genera of Miliolids, (often as nuclei for oolites). Fragments of other fossil material and some specimens of Orbitolina species. Core also shows some large blebs of anhydrite.

Note - From study of cored section at the well, bottom of "thick anhydrite" about 11,389'.

11425' -
In Early Trinity
Carbonate
section

Portion of Core #6, hard, gray, fossiliferous limestone. Dense, hard, grayish tan limestone packed with very small to medium sized fragments of fossil material, including fragments of fossil bivalves and sections of many specimens of Orbitolina species B. characteristic of the Trinity section below the "thick anhydrite".

Coastal Petroleum Company
No. 1 Tiedtke and Schroeder
Sec. 25-T42S-R33E
Glades County, Florida
Report by: E. R. Applin
Date: 1953
Joe Banks, Geologist,
Coastal Petroleum Co. samples

Further report on core samples from the Coastal Petroleum, No. 1 Tiedtke and Schroeder, Glades County, Florida.

Cores

11,144' ^{1.3. range} Gray, highly oolitic, fossiliferous, irregular finely porous limestone. Material is calcitic and anhydritic? with a very finely crystalline texture. Some of the oolites show structure of Miliolids as original nuclei, now altered by secondary crystallization. Some of fossil material, also dark gray in color, suggesting pyritic molds, somewhat altered secondarily. Sections of small Gastropods common.

Genesis - Oolites and small Gastropods deposited in the interspaces of a meandering alga growth and later crystallized and somewhat altered by percolating waters.

11,851' Brownish gray, minutely crystalline dolomite with an abundance of dark gray (pyritic?) material, suggesting comminuted plant fragments. A few sections of small Gastropods and some of Ostracods.

12,720' - homotidia present - by Calif. Co. from thin sections 12,725-31'

12,745' Dense, dark olive gray, oolitic limestone which contains a number of sections of Choffatella decipiens, some sections of Ostracods and many Echinoid spines; a few molds of small Pelecypods. Many small secondary quartz inclusions fill interstices in the limestone.

12,787' Light olive gray, extremely finely crystalline dolomite (possibly argillaceous) showing molds of one species of small bivalve. Some very thin, irregular lenses of black shale - and some rather sparsely black spotted areas in the dolomite. Black spots are roughly circular in outline.

12,912' Dark olive-gray, dolomitic limestone similar to that described from 12,745' but non-oolitic. Some molds of small pelecypods; a few Ostracods and traces of other fragmental and vaguely defined fossil material common; a trace of glauconite.

12,933' Top of Ft. Pierce Formation.

12,947' A light olive tan, dolomitic limestone apparently with very fine scattered sand grains; many chalky sections of two species of small Miliolids; a few sections of small Gastropods; some sections of Pseudocyclammina sp.; and some sections of Haurania? sp.

12,960' A generally dense, very highly oolitic, light olive gray limestone, with irregular pockets in the limestone filled with a black residue (presumably dead oil) which stains the surface of the cavities when removed. Nuclei of many of the oolites, small Milioline forams, sections of Spiroplectammina, and fragments of other micro-fossils present. "Oil show" reported from this depth.

12,964' A dense, very highly oolitic, light olive gray limestone. Oolites are fairly uniform in size and densely packed. Small interstices between the oolites are filled with a clear crystalline mineral. Nuclei of many of the oolites, Textularia sp., small Quinqueloculina and Ophthalmidium? sp. Many sections of Haurania(?) sp. also present; and some sections of a conicle Coskinolina-like fossil, a species not found in younger portions of the stratigraphic section in this general area; many transverse sections of a Cuneolina?

12,966' Like the preceding, lithologically and faunally. Some sections of Pseudo-cyclammina? or Choffatella? sp. also present at this depth.

12,994' A pseudo-oolitic, anhydritic and extremely finely crystalline dolomite. Material suggests an algal limestone in which algae growth shows a meandering pattern, and in which the interspaces were filled with small oolites and some fossil material, among which small Gastropods are common. The "pseudo-oolites" are pyritic?, small rounded structures. This material is closely similar to that described from 11,144', but no Miliolids and no definite oolites were noted. Material more highly crystalline and anhydritic.

12,999' - from this section - see anhydrous fossils.

13,003' A dense, light olive gray, somewhat silty limestone (silt grains evenly distributed) which contains many specimens of Ophthalmidium? sp. and some small, many chambered specimens of Quinqueloculina; also many dark gray structures, very irregular in size and shape, frequently rounded, which may represent pyritised, fragmental, fossiliferous material. A few fragments of sections of Pseudocyclammina? sp.; and a few vague sections of a small Coskinolina-like form also noted.

13,016' A light grayish tan, chalky and highly oolitic limestone. The oolites are moderately evenly distributed, dark olive gray in color, generally have the concentric structure well defined. Specimens of small Textularia, Miliolids and Ophthamididae occasionally form the cores of the oolites. The ground mass is pseudo-oolitic and composed for the most part of small, rounded, bodies of irregular size and many rectangular shaped bodies of fairly uniform size, which show an intricate and variable interior structural pattern (possibly algal). The chalky-pseudo oolites have narrow borders of calcite. Some specimens of Haurania? sp. Karrina (?) Bromelianna?
see p. 29. - Pl. 1, fig. 6. P.P. 447.

see letter Hauran Johnson Algae.

13,039' Another example of the minutely crystalline, anhydritic and pseudo-oolitic limestone showing the meandering double walled structures (algal?) with interspaces filled, at least partially, with rounded, often gray, pyritic structures, shape of some of which suggest Ostracods. A few of the pseudo-oolites have cores which show vague traces of a Textularian-like form structure. Some sections of small Gastropods also present in this core fragment. Crystalizations and mineralization have so altered the limestone as to leave only a vague suggestion of what was probably originally a highly fossiliferous limestone.

see p. 29. - Pl. 1, fig. 6. P.P. 447.

- 13,043' An olive gray, dense, oolitic limestone composed of tightly packed oolites of about uniform size, majority of which have Quinqueloculina and Ophthalmidium as chalky nuclei. Many sections of Quinqueloculina sp. are also present and some specimens of a narrow, high coned species of Coskinolina(?) sp. Some sections of a Textularian foram, and occasional specimen of Pseudocyclamina(?) sp. Both longitudinal and transverse sections of the Quinqueloculina sp. are common and some sections show the coiled nucleoconch.
- 13,058' Another section of the calcitic, anhydritic, pseudo-oolitic, algal(?) limestone which, at this depth, contains some rounded, pebble-like inclusions of the light gray, dense, lithographic limestone. Some sections of small Gastropods present.
- 13,080' An oolitic, minutely crystalline dolomite. Some scattered sections of Quinqueloculina sp., a few of Ophthalmidium(?) sp., and some sections of small Gastropods. A stylolite filled with a black, tarry substance cuts the upper edge of the core slice and several groups of fine veins filled with a similar black substance cross the core slice at an angle which apparently conformed to the bedding plane.
- 13,126' A pseudo-oolitic, extremely finely crystalline dolomite packed with small, rounded, dark gray bodies (the pseudo-oolites). Lighter colored bands of a poorly defined algal growth are irregularly distributed across the core slice.
- 13,142' An algal(?) limestone with abundant, meandering light colored areas and small rounded bodies, that have an arrangement pattern, which seems to be related to that of the meandering algal structures. These rounded bodies have black outlines and are filled with a pale green material softer than their borders and the surrounding ground mass (possibly a slightly glauconitic chalk). Sections of a few small Gastropods are vaguely shown in the limestone.
- 13,163' Piece of core showing an irregular and sharp contact between a light cream colored, moderately hard, chalky limestone and a darker gray, dense, lithographic, oolitic limestone. The darker colored limestone does not seem to represent a pebble, since the oolites continue across the contact between the two types of material and some oolites of the same character appear occasionally in other portions of the chalky limestone. Small specimens of Quinqueloculina and Ophthalmidium(?) sp. are also present in the darker colored section of the core, a few Textularia and Laurencia. The oolites and the forams are evenly but not thickly distributed through the dense, darker colored portion of the limestone. The oolites have dark centers (possibly pyritic and slightly glauconitic chalk) and light colored borders, in which both concentric and radiate structures are well developed.
- 13,237' An olive gray, dense, highly oolitic limestone in which the ground mass is irregular, dense and very finely crystalline. Ophthalmidium(?) sp. occasionally form the cores of the oolites. Some sections of Pseudocyclamina(?)/sp. are also present.
or Choffatella?

Note - The lithology in this set of cores, although not uniform throughout, seems to show a cyclical recurrence of several types of sedimentation. Beginning with the core from 12,947', however, a change in the micro-faunal aspect of the section was noted. A fauna, similar to the one common between this depth and the bottom sample, has been seen in two other wells in south peninsula Florida i.e. the Gulf Company, Big Pine Key, in Monroe County; and the Humble Oil and Refining Company, Tuscon Corporation, in Palm Beach County. The most characteristic species present is Haurania sp., a genera of foraminifera described from, and, to date known only from the (Jurassic-Triassic?) subsurface of Iraq. Specimens in the Glades County well are apparently most closely related to this genus, but are not the same species as the one described from Iraq. Since no continuous change was found in the lithology and since the range of Haurania is not known, it seems likely that this faunal unit may represent beds of basal Trinity, or possibly pre-Trinity time. A more precise age determination does not seem justified at present.

note
specimens
were sent to
Hanson, who
said they were
not his Haurania

The Coskinolina-like form which also appears in the fauna shows certain structural differences by which it can be distinguished from the Coskinolina, common to younger portions of the geologic column in the same geographic region. A very small, possibly related species was found in the (lower part) of the Big Pine Key well.

in Ft. Pierce formation.

E. P. Ruppel

P182

Coastal Petroleum Company
No. 1 Tiedtke & Schroeder
Glades County, Florida
Report by: E. R. Applin
Date: July 1957

Report on a continuous set of samples - on the Coastal Petroleum Co., No. 1 Tiedtke & Schroeder well 1, Glades County, Fla. Samples kindly loaned by the Shell Oil Company of Jackson, Miss.

In Fredericksburg.

- 10,000 - 10' Cut - composed mainly of fragments of dense, grayish brown, sucrosic and anhydritic dolomite, fragments of anhydrite, and of a dense, olive brown, crypto-crystalline limestone. Some fragments of light cream colored, chalky limestone, and of a highly porous, light tan, moderately finely crystalline dolomite. These materials probably caving, also the mica flakes common in the sample. Some fragments of the dense, olive brown limestone contain sections of small Miliolids and some specimens of Ophthalmididae. Anhydrite about 50% of sample.
- 10,010 - 20' Cut of olive brown, sucrosic, highly pitted, somewhat gray spotted, anhydritic dolomite. Pitting due to solution and removal of microfossils and small fragments of fossil material.
- 10,020 - 30' A few fragments of dolomite as above, and many fragments of a light cream colored, chalky textured limestone with abundant vaguely defined Miliolids and fragments and specimens of other fossil debris.
- 10,030 - 40' Small sample of light cream colored limestone as above, and a few fragments of the olive tan, sucrosic dolomite as at 10,000'.
- 10,040 - 50' Cut of the white, chalky limestone, some fragments of the dolomite (as at 10,010' etc.), and a few fragments of the hard, olive brown limestone.
- 10,050 - 60' Cut of moderately hard, light cream colored, nodular limestone. Some fragments of chalky limestone and dolomite as above. A little anhydrite, Vague traces of an original, highly microfaunal content in the hard, cream colored limestone. Fossil material highly fragmental and very poorly preserved. Small Miliolids apparently dominant.
- 10,060 - 70' Like the preceding.
- 10,070 - 80' No change.
- 10,080 - 90' Light tan, nodular, miliolid limestone as above, and some fragments of a hard, grayish brown, microsucrosic dolomite. Some fragments of the dolomite highly pitted, and some more coarsely crystalline, some with blebs of anhydrite.

- 10,090 - 100' Sample mainly olive gray and tan, sucrosic to finely crystalline, anhydritic dolomite. Some fragments of the moderately hard, cream colored, miliolid limestone as above. One fragment of a coarsely colitic tan limestone, a few fragments of anhydrite.
- 10,100 - 10' Sample about 50% dolomite as above, and 50% white, moderately hard, chalky textured, gray spotted limestone. Some fragments of the cream colored, miliolid limestone as above.
- 10,110 - 20' Mainly olive tan, very finely crystalline, anhydritic dolomite, and some fragments of a cream colored, moderately hard limestone. A few fragments of this limestone contain many very poorly preserved fragments and specimens of foraminifera. The dolomite fragments are irregular in crystalline character, in porosity, and to a minor degree in color.
- 10,120 - 30' Tan, and grayish tan, microsucrosic to moderately finely crystalline, irregularly highly porous, and somewhat anhydritic dolomite. About 25% anhydrite. A few fragments of miliolid limestone as above.
- 10,130 - 40' Like the preceding.
- 10,140 - 50' Dolomite, anhydrite, and a little of the miliolid limestone as above, also a few fragments of dark gray shale. Anhydrite about 50%.
- 10,150 - 60' Tan, sucrosic dolomite irregularly moderately porous. About 25% anhydrite.
- 10,160 - 70' Dolomite and about 25% anhydrite. Dolomite - tan and light brown, a few fragments gray. Dolomite generally sucrosic, many fragments pitted.
- 10,170 - 80' Tan and grayish tan, microsucrosic, irregularly pitted dolomite. A few fragments with traces of fossil material, a few fragments of anhydrite, and a few of a light cream colored, miliolid limestone similar to that described from slightly higher depths.
- 10,180 - 90' Many fragments of a light tannish gray, moderately gray spotted limestone, and some fragments of dolomite as above. Gray spots in the limestone apparently represent traces of fossil molds and mold fragments. Chalky sections of some Miliolids and Guttulinas (poorly preserved) also fairly common in this limestone, a few fragments of anhydrite.
- 10,200 - 10' Sample composed mainly of olive tan, and some gray, microsucrosic dolomite. Some fragments of limestone like that described from preceding sample. Some blebs of anhydrite in the dolomite. Some chalky traces of Miliolids in the dolomite.

- 10,210 - 20' Fragments of a microsucrosic, gray dolomite, and many fragments of a light cream colored, bioclastic limestone composed largely of worn and broken fragments of fossil material. A few molds of Lituola sp. and worn sections of Miliolids noted in this limestone.
- 10,220 - 30' Sample composed mainly of fragments of tan, microsucrosic dolomite.
- 10,230 - 40' Cut of sucrosic, light tan and gray dolomite, and many fragments of a light cream colored, highly miliolid and sparsely oolitic limestone. Traces of chalky microfossils in the dolomite, and some fragments pitted due to removal of microfossils and fossil materials.
- 10,240 - 50' Cut composed mainly of light cream colored, chalky and calcitic, porous, miliolid limestone, and some fragments of dolomite as above. The limestone sparsely gray spotted. A few fragments of anhydrite.
- 10,250 - 60' Like the preceding. Also some flaky fragments of a light gray, highly gray spotted limestone. Gray spots apparently sections of molds of microfossils and fragments. Miliolids fairly common in this limestone - small Quinqueloculinas and Spiroloculinas, a few fragments also with Nummuloculina. var.
- 10,260 - 70' Sample mainly gray and tan dolomite - some fragments anhydritic - about 25% anhydrite. A few fragments of light cream colored, miliolid limestone and light gray limestone noted above.
- 10,270 - 80' Like the preceding.
- 10,280 - 90' Fragments of a white and light cream colored, highly miliolid, calcitic and sparsely gray spotted limestone. A few fragments of gray shale and of dolomite. Some fragments of anhydrite.
- 10,290 - 300' White and cream colored, porous, calcitic, highly miliolid limestone as above, and many fragments of an olive gray, sucrosic dolomite. Some fragments of anhydrite.
- 10,300 - 10' Similar to the preceding. More dolomite, and some of the limestone fragments highly dolomitic. No anhydrite noted.
- 10,310 - 20' Like the preceding, but dolomite about 50% of sample.
- 10,320 - 30' Cut of dolomite as above, and many fragments of a chalky, irregularly very finely dolomitic and gray spotted limestone that contains some specimens of small Miliolids and some Guttulinas fragmental and poorly preserved.

- 10,330 - 40' Fragments of a dense, cryptocrystalline, gray and brownish gray limestone dominant. Some fragments of dolomite, and many fragments of the cream colored limestone as in preceding sample. A few fragments of macrofossils, and some traces of Miliolids and other forams in some fragments of the gray limestone.
- 10,340 - 50' Like the preceding.
- 10,350 - 60' Gray limestone as above, many fragments of tan and grayish tan, sucrosic dolomite, about 10% anhydrite. A little glauconite in some of the gray spotted fragments of the limestone.
- 10,360 - 70' Sample mainly tan and gray, microsucrosic dolomite, and about 50% anhydrite. Some blebs of anhydrite attached to some of the dolomite fragments.
- 10,370 - 80' Sample mainly anhydrite. A little dolomite.
- 10,380 - 90' About 50% anhydrite; 50% gray, anhydritic, microsucrosic dolomite.
- 10,390 - 400' Like the preceding.
- 10,400 - 10' Gray and olive tan, microsucrosic dolomite irregularly gray spotted. Some fragments of anhydrite.
- 10,410 - 20' Gray and olive brown, argillaceous, microsucrosic dolomite with some irregular gray streaks and spots. About 25% anhydrite. Some of gray spots in dolomite fine shreds of carbonaceous material. A few fragments dark gray shale.
- 10,420 - 30' Sample apparently mainly cavings of dolomitic limestones and anhydrite from several slightly higher levels.
- 10,430 - 40' Sample mainly olive brown and gray, microsucrosic dolomite irregularly pitted and with some blebs of anhydrite, and some shreds of carbonaceous material. About 20% anhydrite.
- 10,440 - 50' Like the preceding. A few fragments of a tan, highly and evenly pitted dolomite. Pitting seems to show a pattern arrangement suggesting a possible algal or Bryazoan structure.
- 10,450 - 60' Olive tan, argillaceous, microsucrosic dolomite; and dark gray, microsucrosic dolomite. A few fragments of gray limestone and anhydrite.
- 10,460 - 70' Olive tan, gray spotted, very finely dolomitic limestone showing traces of an original, highly fragmental, microsucrosic content.

- 10,470 - 80' An olive gray, hard, flaky, gray spotted limestone, many fragments anhydritic. About 20% fragments of anhydrite. Traces of many Miliolids in some of the limestone fragments.
- 10,480 - 90' Tan and gray, moderately gray spotted and somewhat anhydritic limestone. Some fragments of dolomite. A few fragments of anhydrite. A few fragments of various limestones from higher levels.
- 10,490 - 500' Sample about 50% anhydrite, and 50% dolomite and cavings of several limestones noted at slightly higher levels.
- 10,500 - 10' Sample mainly tan and olive gray, sucrosic dolomite, and anhydrite. Some fragments of several types of limestones, probably caving.
- 10,510 - 20' Olive tan, microsucrosic, somewhat gray spotted dolomite, and about 20% anhydrite.
- 10,520 - 30' Like the preceding, and some fragments of a light tan, chalky and calcitic limestone. Some fragments of this limestone have a structural pattern suggesting a binding algal growth.
- 10,530 - 40' Many fragments of tan and of olive gray, sucrosic dolomite, and of tan, dolomitic, bioclastic limestone seemingly composed mainly of finely fragmental fossil debris, including Miliolids and other non-determinable fossil material. A little anhydrite.
- 10,540 - 50' Sample composed mainly of fragments of limestone as above. Limestone is irregularly porous and pseudo-oolitic.
- 10,550 - 60'
Approx.
Trinity top. Sample composed mainly of a dark to light gray, marly and irregularly very finely dolomitic limestone.
- 10,560 - 70' Like the preceding. Also a few fragments of dark gray shale, and some shale coated and streaked fragments of the limestone.
- 10,570 - 80' Olive gray, microsucrosic dolomite, and many fragments of a highly pitted, light brown, finely crystalline dolomite. (Pseudo-oolitic?) oolites(?) or Miliolids(?) dolomitised and for the most part removed from rock leaving a honey comb-like structure.
- 10,580 - 90' Very finely crystalline, light brown dolomite, some fragments highly pitted, and about 25% light gray and grayish tan, argillaceous, somewhat gray spotted limestone, with some traces of fossils.

- 10,590 - 600' Light tan, chalky and gray spotted, irregularly dolomitic limestone, and some dolomite like that above.
- 10,600 - 10' Light gray and olive tan, sucrosic, irregularly highly pitted, gray spotted dolomite.
- 10,610 - 20' Flaky, light olive tan and gray spotted limestone. A section of Orbitolina, section of a Quinqueloculina characteristic of the Trinity, and other Miliolids noted in this limestone. (See #1 - 4 on slide.)
- 10,620 - 30' Many fragments of the olive brown and tan, moderately gray spotted limestone as above. Characteristic specimens of the Quinqueloculina (2 species) but no Orbitolina noted.
- 10,630 - 40' Fragments of a light tan, gray spotted limestone composed mainly of molds, some specimens and abundant fine fragments of microfossils. Specimens and fragments of small Miliolids common in the limestone.
- 10,640 - 50' Like the preceding.
- 10,650 - 60' Flaky fragments of a light olive gray and tan, highly gray spotted limestone. Limestone is irregularly very finely dolomitic and contains some poor sections of Miliolids and other microfossils.
- 10,660 - 70' Sample composed mainly of fragments of gray and some grayish tan microsucrosic dolomite. A few fragments of limestone as above.
- 10,670 - 80' Sample mainly flaky fragments of gray and grayish tan, in part gray and brown spotted limestone. Dark spotted fragments of shells and of fossil molds.
- 10,680 - 90' Light brown dolomite, and about 50% anhydrite. Some limestone like that above.
- 10,690 - 700' Dolomite and anhydrite as above, also many flaky fragments of hard, olive brown and tan, highly gray and brown spotted limestone. Spots probably representing fragmentary molds and fragments of fossil material. Some specimens with many sections of Quinqueloculina sp. See #5 on slide.
- 10,700 - 10' Light tan and gray microsucrosic dolomite, and about 25% anhydrite. Some limestone fragments (probably cavings).
- 10,710 - 20' Dolomite and anhydrite as above.
- 10,720 - 30' Flaky fragments of hard, light olive brown and gray limestone, and some fragments of dark gray shale. A few fragments of anhydrite.

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- 10,730 - 40' Sample composed mainly of flaky fragments of a hard, olive gray limestone.
- 10,740 - 50' Like the preceding.
- 10,750 - 60' Limestone as above, showing occasional traces of fossils and a few fragments of dark gray shale.
- 10,760 - 70' Mottled light and dark olive tan, generally highly gray spotted limestone, a fragment of Lituola sp. present, apparently washing from dark gray shale lenses in preceding sample. A few oolites noted in fragments of the limestone.
- 10,770 - 80' Cut of flaky fragments of the mottled light and darker olive gray, highly gray spotted limestone. Limestone is apparently mainly composed of finely broken fragments and fragmentary molds of micro- and macrofossil material. A black mold of Orbitolina present. See #6 on slide.
- 10,780 - 90' Limestone fragments similar to preceding, but spotting generally finer and less distinct. Some fragments of dark gray shale.
- 10,790 - 800' Like the preceding. A few oolites, some Ostracods and Miliolids noted in limestone.
- 10,800 - 10' A highly gray spotted, light tan-gray limestone, and many fragments of a microsucrosic, olive gray dolomite.
- 10,810 - 20' Materials so variable in this sample it is presumed they are mainly cavings.
- 10,820 - 30' Light to dark olive gray spotted limestone with many traces of fragmental fossil material. A few fragments of dark gray shale.
- 10,830 - 40' Light gray, highly dark gray spotted, moderately soft limestone. A few oolites and a large amount of fragmental fossil material indicated by the dark spots in the limestone.
- 10,840 - 50' Like the preceding.
- 10,850 - 60' Flaky fragments of hard, olive gray limestone, and many fragments of dark gray shale.
- 10,860 - 70' Highly gray spotted, mottled light and dark olive gray limestone as above. A trace of glauconite in some of the gray spots in the limestone. A few fragments of dark gray shale.
- 10,870 - 80' Small sample of fragments of limestone like that above.

ORBITOLINA (M. BROWN)
LITUOLA SP.

- 10,880 - 90' Limestone as above, and a moderate amount of dark gray shale. Some Ostracods noted in the shale. For an Ostracod washed free, see #7 on slide.
- 10,890 - 900' Cuttings of flaky fragments of gray limestone, and some fragments of dark gray shale. Some Ostracods noted in the shale.
- 10,900 - 10' Like the preceding.
- 10,910 - 20'
Approx. top
of
Sunland. Materials as above, also many fragments of a light grayish tan, somewhat gray spotted limestone. Some fragments of this limestone stained and streaked with a tarry residue. See #8 on slide.
- 10,920 - 30' Sample composed mainly of fragments of a light olive brown, sucrosic dolomite.
- 10,930 - 40' Dolomite as above, and about 50% fragments of several types of limestone described from slightly higher depths (possibly mainly caving).
- 10,940 - 50' Mainly dolomite as above, some limestone, and a little dark gray shale.
- 10,950 - 60' Cut of cream colored, moderately soft limestone containing much poorly preserved and generally finely fragmental fossil material, and fragments of a harder, light olive brown limestone also containing some fragmental fossil material.
- 10,960 - 70' Flaky fragments of gray and of tan limestone, with some traces of fossils. Some fragments of dark gray shale. A few fragments of anhydrite.
- 10,970 - 80' Gray and tan limestone as above. A little dark gray shale, and a few fragments of dolomite.
- 10,980 - 90' Very small sample, like the preceding in character.
- 10,990 - 11,000' Sample composed of flaky fragments of several types of limestone, among which an olive brown, bioclastic limestone is dominant. Limestone composed of fragments of microfossil material with scattered specimens of Miliolids fairly common. Fragments of a gray limestone, a light cream colored fossiliferous limestone, a little dark gray shale also present.
- 11,000 - 10' Coskinolina sunnylandensis. = Dictyoconus floridanus.
name originally commonly used.
- 11,420' First Orbitolina below anhydrite section.
In Early Trinity Carbonate section. (Skip in cutting samples to 11,490'.)

Cores.

See earlier report for description of "thick anhydrite" section. For core depth with asterisks also see earlier report on personal cuts.

Core #6 - 11,410-11,499'.Part11,411'

Gray, sucrosic dolomite. Contains scattered specimens of Ostracods and a few fragments of other fossil material. Sample cut by very thin lense of black shale.

11,415'

Gray, sucrosic dolomite, with irregular shale streaks, apparently filling crevices in rock. Contains many fragments of macrofossils, and also has meandering tan limestone areas which may represent a binding organic (algal?) growth.

11,416'

Olive gray, argillaceous dolomite, with some irregular areas coated with black shale.

11,417'

Hard, gray shale. Conchoidal fracture.

11,420'

Olive tan, sucrosic dolomite.

11,424'

Light grayish tan, dolomitic shale. Contains small scattered particles of carbonaceous material.

11,426'

Olive gray, bioclastic limestone, with abundant dark gray molds and fragments of rather coarsely broken fossil material. Most of material too fragmental to be determined. A section of the uncoiled portion of Lituola(?) noted, sections of small Gastropods and Pelecypods, a mold of Orbitolina which has retained some structural features.

11,427'

Anhydrite - white, irregularly gray streaked.

11,429'

Light olive gray, dense limestone, with abundant, generally very fine, gray spots (fragmental fossil material). Numerous sections of Orbitolina, some sections of Lituola sp.

11,431'

Olive gray, dolomitic limestone. Contains many sections of Orbitolina, some fragments of fossil bivalves.

11,432'

Light olive gray, microsucrosic dolomite. Has many very fine, moderately evenly distributed specks of carbonaceous material. These often circular in shape.

11,433'

Dark gray, shaly limestone. Contains many excellent specimens of Orbitolina.

11,435'

Light olive gray, microsucrosic, argillaceous dolomite.

11,438'

Dark gray shale. Contains a few scattered fragments of shells.

- 11,440' Dark gray, calcareous, thinly laminated shale.
- 11,442' Light olive tan, sucrosic dolomite. Scattered shreds of black, carbonaceous material.
- 11,444' Olive brown, sucrosic dolomite. Contains small, unevenly distributed, clear crystalline areas variable in size and shape, and some shreds of carbonaceous material. Crystalline material - anhydrite(?).
- 11,445' Tan, bioclastic limestone composed mainly of finely fragmental and partly disintegrated (distorted) fragments of fossil material. Little determinable. A small Spiroloculina sp., some specimens of Guttulina sp. fairly common. Some Ostracods. Section of worm tubes, and a few oolites also noted. Some fragments of fossil bivalves.
- 11,447' White anhydrite with very fine brown streaks.
- 11,450' Hard, tan, bioclastic limestone with a very finely sandy appearance. Limestone packed with moderately coarsely broken fossil debris. Some sections of Lituola? recognizable. Fragments of fossil bivalves abundant. Reophyx.
- 11,453' Limestone similar to preceding in character, but many scattered oolites mixed with the abundant fragmentary fossil material. Some small Spiroloculinas and Guttulinas also present.
- 11,454' Light olive gray, argillaceous, sucrosic dolomite, with much fragmentary fossil material. This material, however, less abundant than in the preceding sample. Spiroloculina sp. present as above.
- 11,455' A bioclastic and dolomitic, light brown limestone similar to preceding, but fossil material composed mainly of specimens of Spiroloculina. Oolites scattered but more abundant than in preceding sample. Some fragments of fossil bivalves.
- 11,459' Material like the preceding in general character. Many specimens of the small Spiroloculina as above, and many scattered oolites, also many sections of a small bivalve, and worm tubes. A few specimens of Lituola sp.
- 11,462' A tan, bioclastic, argillaceous dolomite. Similar to the dolomitic limestone above, but fragmental fossil material generally badly disintegrated. The small Spiroloculinas as above very common.
- 11,464' A bioclastic, argillaceous, oolitic and dolomitic limestone similar to the preceding. A tightly packed mass of moderately coarsely broken and disintegrated fossil material. Many oolites and specimens of Spiroloculina like that above, fragments of fossil bivalves and possibly algal growths. ✓

- 11,466' Hard, tan, dolomitic, bioclastic limestone similar to the above, with abundant fragments of small fossil bivalves in contact with a gray, argillaceous, sucrosic dolomite, with only a few traces of fossil material.
- 11,468' Olive gray dolomite with a large amount of finely pulverised chalky material that probably is a disintegration product of fossil material. One portion of core segment contains abundant fragments of a small bivalve, and small Ostracods are abundant in another area.
- 11,475' Dark olive gray, dense, sucrosic dolomite, with abundant very fine, light tan, shreds of material (possibly disintegrated fossil material and algal filaments(?)). Sample has several very thin lenses of dark gray shale.
- 11,476' Like the preceding.
- 11,478' Hard, dark gray, dolomitic shale. Conchoidal fracture.
- 11,479' Dense, dark olive gray, bioclastic limestone containing abundant rather coarsely broken fragments of fossil bivalves, a few small Miliolids and Ostracods.
- 11,482' Dense, dark olive gray, bioclastic limestone similar to preceding. Fossil material generally more finely broken and more diversified.
- 11,484' Hard, dark olive gray, shaly limestone in sharp and very uneven contact with a lighter colored dolomitic limestone, containing a large amount of dark gray, fragmental fossil material.
- 11,489' Dark olive gray, hard, shaly limestone, with a moderate amount of dark gray, moderately finely broken fossil material. Fossil material irregularly distributed.
- 11,491' Dark gray, thinly laminated shale. Contains a few fragments of fossil bivalves.
- 11,493' Olive gray, dense, microsucrosic dolomite. Contains a few fragments of fossil bivalves.
- 11,495' Thick anhydrite streak in dark gray shale. A band of shaly, dark olive gray limestone in the shale. Limestone has abundant very small, even sized and evenly distributed, white fossil fragments (mainly specimens of a small species of *Spiroloculina*, same form as noted in bioclastic limestone at a slightly higher depth. Specimens generally broken, poorly preserved. A few small shell fragments and Ostracods also present.
- 11,497' Olive gray, hard, shaly limestone (or dolomitic limestone with many - generally very small dark gray spots. These spots irregularly distributed and irregular in size, some obviously represent remnants of fossil material.

- 11,466' Hard, tan, dolomitic, bioclastic limestone similar to the above, with abundant fragments of small fossil bivalves, in contact with a gray, argillaceous, sucrosic dolomite, with only a few traces of fossil material.
- 11,468' Olive gray dolomite, with a large amount of finely pulverised chalky material that probably is a disintegration product of fossil material. One portion of core segment contains abundant fragments of a small bivalve, and small Ostracods are abundant in another area.
- 11,475' Dark olive gray, dense, sucrosic dolomite, with abundant very fine, light tan shreds of material (possibly disintegrated fossil material and algal filaments(?)). Sample has several very thin lenses of dark gray shale.
- 11,476' Like the preceding.
- 11,478' Hard, dark gray, dolomitic shale. Conchoidal fracture.
- 11,479' Dense, dark olive gray, bioclastic limestone containing abundant rather coarsely broken fragments of fossil bivalves, a few small Miliolids and Ostracods.
- 11,482' Dense, dark olive gray, bioclastic limestone similar to preceding. Fossil material generally more finely broken and more diversified.
- 11,484' Hard, dark olive gray, shaly limestone in sharp and very uneven contact with a lighter colored dolomitic limestone - containing a large amount of dark gray, fragmental fossil material.
- 11,489' Dark olive gray, hard, shaly limestone, with a moderate amount of dark gray, moderately finely broken fossil material. Fossil material irregularly distributed.
- 11,491' Dark gray, thinly laminated shale. Contains a few fragments of fossil bivalves.
- 11,493' Olive gray, dense, microsucrosic dolomite. Contains a few fragments of fossil bivalves.
- 11,495' Thick anhydrite streak in dark gray shale. A band of shaly, dark olive gray limestone in the shale. Limestone has abundant very small, even sized and evenly distributed, white fossil fragments (mainly specimens of a small species of *Spiroloculina*, same form as noted in bioclastic limestone at a slightly higher depth. Specimens generally broken, poorly preserved. A few small shell fragments and Ostracods also present.
- 11,497' Olive gray, hard, shaly limestone (or dolomitic limestone with many - generally very small dark gray spots). These spots irregularly distributed and irregular in size, some obviously represent remnants of fossil material.
- 11,499' Hard, gray shale, or shaly limestone like the preceding in faunal characteristics.

- 11,830 - 40' Sample mainly dark gray shale, some limestone as above, a trace of glauconite.
- 11,840 - 50' Like the preceding.
- 11,850 - 60' Sample about 50% flaky fragments of hard, dark gray shale, 50% flaky fragments of grayish tan limestone.
- 11,860 - 70' Dark gray, flaky shale. Some fragments of limestone.
- 11,870 - 80' About 50% dark gray shale, and 50% fragments of a hard, light brown and olive brown limestone. Some finely fragmental fossil material in the limestone.
- 11,880 - 90' Sample about 75% flaky fragments of dark gray shale, 25% limestone. Fossil fragments in the limestone common, but poorly defined. Some oolites present.
- 11,890 - 900' Sample about 25% dark olive gray limestone, and 75% dark gray shale.
- 11,900 - 10' Like the preceding.
- 11,910 - 20' Material same as above.
- 11,920 - 30' Materials same as above.
- 11,930 - 40' Sample about 50% dark gray shale, and 50% hard, light brown limestone sparsely and irregularly fossiliferous (poorly defined and fragmental).
- 11,940 - 50' Like the preceding. A few poor and questionable pyritised molds of Choffatella in fragments of the limestone.
- 11,950 - 60' Dense, olive brown, sparsely fossiliferous limestone as above, and about 50% fragments of dark gray shale.
- 11,960 - 70' Like the preceding.
- 11,970 - 90' No change.
- 11,990 - 12,000' Dark gray shale, and hard, olive-brown limestone like that above, also some fragments of anhydrite.
- 12,000 - 10' Shale and limestone as above, a few fragments of anhydrite.
- 12,010 - 20' Shale and limestone like that above, a small amount of anhydrite.
- 12,020 - 30' Sample about 50% dark gray shale, 50% hard olive-brown limestone with vaguely defined, fragmental fossil material, and fragments of a light tan, chalky limestone containing a

(cont'd.)

large amount of poorly preserved and fragmental fossil material, also fragments of several other types of limestone similar to some recorded from higher depths (probably cavings). A few fragments of anhydrite.

- 12,030 - 40' Shale and limestone as above, also a few fragments of a light tan to brown, oolitic limestone. A few fragments of anhydrite.
- 12,040 - 50' About 50% dark gray shale, and 50% fragments of a light tan to brown limestone containing fragments of bivalves and other very poorly preserved and fragmental fossil material.
- 12,050 - 60' Sample about 50% flaky fragments of shale, and 50% limestone with many of the limestone fragments highly and rather coarsely oolitic. Oolitic fragments light tan to light brown in color, and in part, finely crystalline dolomite. See #12 on slide.
- 12,060 - 70' Sample about 75% dark gray shale - 25% hard, light brown, sparsely fossiliferous limestone. A few fragments of the oolitic limestone as above.
- 12,070 - 80' About 50% dark gray shale, and 50% fragments of light tan and light gray limestone. Some fragments oolitic and some with traces of fragmental fossil material.
- 12,080 - 90' Like the preceding, also fragments of a light brown limestone with fragments of fossil bivalves. Some shell fragments in sample also.
- 12,090 - 100' About 50% dark gray shale, and 50% flaky fragments of brown and cream colored, mottled limestone, many fragments with vaguely defined fragmental fossil material and a few highly oolitic. Some shell fragments as above. Some small Milio-lids in a few fragments.
- 12,100 - 10' About 50% dark gray shale, and 50% flaky fragments of hard, light brown limestone like that above.
- 12,110 - 20' Like the preceding. A few of the shale fragments also have fragments of fossil material.
- 12,120 - 30' Dark gray shale as above, and about 50% limestone. Limestone fragments, in part, dark olive-brown with many darker colored molds of fragmental fossil material, and some oolites and white, gray spotted (fragmentary fossil molds), limestone that is also irregularly oolitic. Specimens of the characteristic Florida Trinity Quinqueloculina and Spiroloculina noted on some fragments. See #13 to 15 on slide for characteristic fragments of this limestone.

- 12,130 - 40' Dark gray shale as above, and about 75% of the white, olive brown, highly dark spotted and oolitic limestone. Fragmental fossil material abundant in limestone. Oolites large and often with miliolid nuclei.
- 12,150 - 60' Like the preceding.
- 12,150 - 60' Sample about 50% dark gray shale, and 50% highly oolitic and microfossiliferous (fragmental) limestone like that above. Specimens of Quinqueloculina and Spiroloculina fairly common, and nuclei for oolites, in part. Species same as above.
- 12,160 - 70' Similar to the preceding, but oolites generally averaging smaller and Miliolids more abundant. A trace of anhydrite.
- 12,170 - 80' Sample about 75% fragments of highly oolitic, mottled cream and brown limestone. Some Miliolids as above, and scattered fragmental fossil material also present in limestone.
- Does ok.*
12,180 - 90' Like the preceding, also many fragments of a light grayish tan, moderately finely crystalline dolomite. See #16 on slide.
- 12,190 - 200' Shale and oolitic limestone like that above. A few fragments of dolomite.
- 12,200 - 10' Like the preceding, and about 20% anhydrite.
- 12,210 - 20' Similar to the above - about 10% anhydrite.
- 12,220 - 30' About 50% shale, and 50% oolitic limestone.
- 12,230 - 40' About 75% flaky fragments of a cream colored and olive brown mottled, partly oolitic limestone, and 25% fragments of dark gray shale (probably caving.) Oolites and fragments of fossil material much less abundant in limestone.
- 12,240 - 50' Shale and limestone as above. Oolitic limestone fragments more common. Oolites very abundant in oolitic fragments, moderately large in size. Scattered specimens of Quinqueloculina and Spiroloculina. Species same as above.
- 12,250 - 60' Like the preceding.
- 12,260 - 70' Like the preceding. Some fragments of a highly pitted, light tan limestone (honeycombed appearance due to removal of abundant moderately small oolites). This material may be caving.
- 12,270 - 80' Sample about 50% dark gray shale, 50% light tan to cream, oolitic limestone. A few fragments of anhydrite.

- 12,280 - 90' Like the preceding. An occasional fragment of shell material in the shale.
- 12,290 - 300' About 50% shale, and 50% limestone. Limestone is light cream colored to light olive brown. Some fragments highly oolitic. Oolites in various fragments variable in size. Some small, indefinite fragments of fossil material.
- 12,300 - 10' Like the preceding, also some fragments of light olive brown dolomite.
- 12,310 - 20' About 50% dark gray shale, and 50% limestone. Majority of limestone fragments hard, sparsely fossiliferous, olive brown in color, some oolitic fragments, a trace of anhydrite.
- 12,320 - 30' Flaky fragments of a hard, light olive brown, limestone strongly dominant. A few fragments ^{have} gray traces of fossils. A small amount of gray shale.
- 12,330 - 40' Limestone like the preceding, about 20% shale,
- 12,340 - 50' About 50% dark gray shale, 50% limestone like the above. Some fragments of anhydrite.
- 12,350 - 60' Like the preceding, and about 10% anhydrite.
- 12,360 - 70' Sample about 50% shale, 25% limestone, and 25% anhydrite. Limestone fragments variable in character, probably, in large part, cavings.
- 12,370 - 80' Shale, and about 50% anhydrite. Some limestone fragments of several types (probably caving.)
- 12,380 - 90' About 50% shale, and 50% anhydrite. Some fragments of light brown, anhydritic, and irregularly oolitic limestone.
- 12,390 - 400' About 50% dark gray shale, and about 50% anhydrite, and some fragments of limestone.
- 12,410 - 20' Sample about 1/3rd shale, 1/3rd anhydrite, 1/3rd dolomite, and some limestone. Dolomite is light olive brown, dark gray spotted and streaked. Limestone similar to preceding.
- 12,420 - 30' About 50% shale, and 50% anhydrite, a few limestone fragments.
- 12,430 - 40' Like the preceding.
- 12,440 - 50' Anhydrite, shale, and dolomite and some limestone in about equal proportions. Some of the limestone fragments obviously caving.

- 12,450 - 60' About 25% dark gray shale, 75% limestone with a little dolomite. A few fragments of anhydrite. The limestone is hard, flaky, light olive brown, and contains some poorly defined and fragmental fossil material, and scattered oolites.
- 12,460 - 70' Like the preceding. A few fragments of anhydrite.
- 12,420 - 80' Mainly limestone as above, with a small amount of shale and a little anhydrite.
- 12,480 - 90' Similar to preceding. Limestone fragments more variable (possibly partly caving.)
- 12,490 - 500' Sample about 75% dark gray shale, 25% anhydrite and some limestone.
- 12,500 - 10' Like the preceding.
- 12,510 - 20' Similar to preceding, but some proportional increase in limestone fragments, part of which may be caving.
- 12,520 - 30' Shale 25%, anhydrite about 25%, and limestone about 50%. Limestone olive brown and tan. Tan fragments generally oolitic, somewhat dolomitic and porous.
- 12,530 - 40' About 25% shale, and 75% generally light tan, dark spotted limestone that contains a large amount of finely fragmental fossil debris, and a few oolites. Some fragments of anhydrite.
- Dolo on*
12,540 - 50' Some shale, and many fragments of a very finely crystalline, porous, oolitic and anhydritic(?) dolomite. The oolites generally dolomitised. Some fragments of limestone. For dolomite, see #17 and 20 on slide.
- 12,550 - 60' Sample mainly dolomite similar to the above. Some shale, a trace of anhydrite.
- 12,560 - 70' Cut of dark gray shale, some anhydrite, dolomite as above, and several types of limestone. The variety of limestone fragments present suggest that much of it is caving.
- 12,570 - 80' Like the preceding.
- 12,580 - 90' No change.
- 12,590 - 600' Sample composed mainly of fragments of a light tan, oolitic limestone (similar to that recorded from 12,130 etc.) Oolites moderately coarse, averaging about 0.50 m.m. in diameter, circular in outline, often somewhat compressed. Many flaky fragments of a hard, light tan and light brown, weakly fossiliferous limestone also present. About 25% of sample is dark gray shale. A trace of anhydrite.

- 12,600 - 10' Fragments of the oolitic limestone as above, some fragments of anhydrite, and some dark gray shale.
- 12,610 - 20' Flaky fragments of light brown and brownish gray, oolitic limestone, some fragments with poorly defined, fragmental, fossil material also, about 25% fragments of dark gray shale. A few fragments of anhydrite.
- 12,620 - 30' About 50% dark gray shale, and 50% limestone like the above, and some fragments of an oolitic, sucrosic dolomite. Oolites dolomitic and "blurred" in dolomite, and averaging 0.25 m.m. in diameter. See #21 on slide.
- COOLITE
Dolo OK*
- 12,630 - 40' About 75% fragments of brown, very finely crystalline dolomite, a few fragments oolitic, and fragments of several types of limestone (probably cavings.) 25% shale, and some fragments of anhydrite.
- 12,640 - 50' Sample about 50% dark gray shale, and 50% dolomite and limestone, a trace of anhydrite. Dolomite like that in preceding sample. Limestone - various types, probably caving.
- 12,650 - 60' Shale and dolomite as above, and about 25% anhydrite.
- 12,660 - 70' Sample about 50% dark gray shale, and 50% limestone. Limestone is light tan to dark brown, some fragments oolitic, many fragments with fragmental fossil material. A trace of anhydrite.
- 12,670 - 80' Sample about 50% fragments of dark gray shale, and 50% limestone. Fragments of the fossiliferous and irregularly oolitic, light tan to olive brown limestone similar to some recorded from higher depths, also many fragments of a white, highly oolitic limestone in which oolites are dark gray, finely crystalline, about 0.25 m.m. in diameter. See #22 and 24 on slide.
- COOLITE
Dolo
OK*
- 12,680 - 90' Cut composed mainly of fragments of light and dark brown limestone, many fragments oolitic and containing fossil fragments. Some fragments of dark gray shale, and a trace of anhydrite.
- 12,690 - 700' Limestone as above, and about 25% dark gray shale.
(No cuts 12,700 - 13,252').
- Part 12,714' - Core #7 - 12,713-12,803'. Rec. 90'. *Note - Lembardia present in cores - nos. - 7 - 8 - 9.*
- Olive brown, hard, bioclastic limestone containing abundant fragmental fossil material, and a few oolites. Fossil debris usually non-determinable. Sections of worm tubes and a few algal fragments recognized.

- 12,716' Limestone similar to the preceding. Fragments and young specimens of small bivalves common. Irregular areas on core fragments thinly coated with dark gray shale.
- 12,722' Hard, light brown limestone, with scattered fragments of fossil material, and some small, Trinity species of Miliolids. A few sections of Choffatella decipiens.
- 12,726' Dense, light olive brown limestone. Contains a very small amount of fragmental fossil material, and some specimens of Trinity species of Miliolids. Irregular, depressed areas in core fragment coated with a thin layer of dark gray shale.
- 12,733' Dense, light olive brown limestone similar to the above. Specimens of the small Quinqueloculina and Spiroloculina fairly common, scattered in distribution.
- 12,739' Dense, light olive brown limestone. Some fractures in core slice filled with dark gray shale.
- 12,743' Like the preceding.
(For 12,745') see earlier report.
- 12,750' Dense, light olive brown, oolitic and bioclastic limestone. Oolites much more abundant than fossil debris in this limestone. Fragments of worm tubes, and a few algal fragments, and many fragments of small bivalves present, a few Miliolids (same as noted above.)
- 12,753' Light olive brown, microsugrosic dolomite. Contains small, scattered particles of carbonaceous material.
- 12,758' Gray streaked, white anhydrite.
- 12,765' Anhydrite, with broad, meandering streaks of black shale.
- 12,767' Anhydrite, many irregular streaks and inclusions of dark gray shale.
- 12,772' Gray anhydrite.
- 12,777' Dark gray shale, many blebs of anhydrite.
- 12,782' Olive brown, pseudo-oolitic, microsugrosic, dense dolomite. Has abundant, rounded, even sized, dark gray spots, character of these rounded bodies not determined. No structure noted in them.
- 12,785' Olive gray, sugrosic dolomite, some irregular shaped, clear, crystalline areas.

For (12,787' see earlier report.)

- 12,789' Dolomite like that above, with many rounded to irregular shaped, dark brownish gray bodies, character of which is not determined.
- 12,791' Gray, white spotted anhydrite.
- 12,799' Like the preceding.
- 12,803' Dark olive gray, dense limestone, irregular streaks of dark gray shale that merge laterally with the limestone.
- Core #8 - 12,803-12,893'. Rec. 90'.
- Part
12,811' Gray anhydrite.
- 12,813' Gray anhydrite.
- 12,820' Dense, olive gray, hard, dolomitic limestone.
- 12,825' Dark gray anhydrite.
- 12,830' Dark gray, shaly dolomite, with abundant blebs of anhydrite.
- 12,835' Light olive gray, argillaceous and calcareous, shaly dolomite or dolomitic shale laminated.
- 12,839' Dark gray anhydrite.
- 12,850' Dark gray anhydrite.
- 12,853' Gray, shaly dolomite like that at (12,835'), with abundant fine, dark brownish gray, pyritic and carbonaceous(?) material.
- 12,857' White anhydrite, with meandering dark brownish gray streaks.
- 12,860' Gray anhydrite cut by a few thin lenses of dark gray shale.
- 12,865' Dark gray anhydrite, with thin, irregular, partial lenses of dark gray shale.
- 12,870' Light gray anhydrite.
- 12,877' Gray anhydrite.
- 12,882' Dark gray anhydrite, with irregular streaks and inclusions of olive gray dolomite that seems to merge, or fade into the anhydrite on the periphery.
- 12,886' Gray anhydrite, with irregular streaks of dark gray shale.

- 12,887' Olive gray, microsugrosic dolomite, with many brown crystalline areas of irregular size and shape, (another form of dolomite(?)).
- 12,889' Gray anhydrite, with some irregular, broad streaks and areas of olive gray, microsugrosic, argillaceous dolomite.
- 12,897' Gray, shaly dolomite, with many blebs of anhydrite.
- 12,901' Light gray anhydrite.
- Core #9 - 12,903-12,983'. Rec. 90'.
- Part
- 12,908' Gray anhydrite. See 12,912' in previous report.
- 12,913' First pink anhydrite. Some irregular streaks of dark gray shale.
- 12,921' Light gray anhydrite.
- 12,924' Gray and white anhydrite.
- 12,933' Approximate top of Neocomian or Jurassic(?) section. Ft. Pierce Formation.
Dense, olive gray, dolomitic limestone.
- 12,937' Light tan, anhydritic(?) dolomite, with a coarsely sandy appearance from abundant rounded, crystalline grains (not quartz, crush easily with dissecting needle.) An algal growth present and some fossil fragments (not determined).
- 12,940' Olive gray, sugrosic dolomite, with some algal fragments and some small fragments of carbonaceous material.
- 12,946' Dark olive gray, sugrosic dolomite.
- * 12,964' Light grayish tan, oolitic and microfossiliferous limestone composed of tightly packed oolites in a clear crystalline matrix, and accompanied by many specimens of several species of biserial forams, one specimen of "Cunecosk", several specimens of a Rotalid foram, Pseudocyclammia(?), and specimens of 3 species of Miliolids, two of them similar to the Trinity species but about twice as large. Fauna is typical of the (Early Cretaceous or Jurassic(?)) section of southern peninsular Florida.
(See 12,947' and 12,960' in previous report.)
(See also 12,966' in previous report.)
- 12,970' Pseudo-oolitic, olive gray, sugrosic dolomite, with some blebs of anhydrite. Pseudo-oolitic appearance due to abundant rounded, darker colored areas in the dolomite.
- 12,977' Light gray and darker, pseudo-oolitic and calcitic dolomite. Contains abundant small oval to rounded objects, giving the oolitic appearance and meandering calcite structures, suggesting some form of sediment binding algae.

- 12,982' Dense, olive tan limestone, containing many light gray, often poorly defined nodules, many small specimens of Ophthalmidiidae?, a section of a large species of Choffatella. Rounded gray objects give material a pseudo-oolitic appearance.
- Core #10 - 12,983-13,073'. Rec. 90'.
- Part
12,985' Olive tan, dense, extremely finely crystalline, dolomitic limestone, with abundant darker colored, rounded spots giving the limestone a pseudo-oolitic appearance. Spots are irregularly distributed, fairly uniform in size, no structure noted.
- 12,989' Light grayish brown, oolitic limestone. Material is packed with oolites, many of which show traces of fossil material that originally served as nuclei but have been largely destroyed by secondary dolomitization. Some algal fragments and traces of Miliolids, some specimens of Favreina, and fragments of other fossil material, not determined.
- 12,993' A dolomitic and highly oolitic, dense limestone similar to preceding in character. Fragments of bivalve, and a few sections of small Gastropods noted. Meandering calcite structure resembling a form of sediment binding algal growth present. (See 12,994' in previous report.)
- 12,996' Hard, olive tan, dense limestone, with many darker colored (dolomitic) spots, circular to irregular in shape. Some sections of small Gastropods.
- 13,001' Dense, grayish tan, bioclastic limestone, with abundant dark colored (gray to brown) spots very irregular in size and shape, apparently representing a fossil detritus. Some small Quinqueloculinas and Spiroloculinas scattered through the material. (See 13,003' in previous report.)
- 13,006' Dense, grayish tan, oolitic and bioclastic limestone, moderately finely broken fossil debris, and oolites about equally common, abundant in limestone and irregular in their distribution. Some small Miliolids as above, a few specimens of biserial forams, and many fragments of fossil bivalves. A section of a form, suggesting Cenosphaera and similar to one found in (Neocomian or Jurassic?) section of Gulf well on Big Pine Key.
- 13,010' Dense, light grayish tan limestone, with scattered fragments of fossil material common and many specimens of small species of Quinqueloculina and Spiroloculina, some algal fragments.
- *13,016' Oolitic and miliolid limestone. Limestone composed of tightly packed oolites in a clear matrix. Many of the oolites have miliolid nuclei. A few sections of small Gastropods also present, and some sections of "Cunecosk" and other genera related to Valvulinidae fairly common. Cunecolina sp.

- 13,017' Like the preceding.
- 13,020' A pseudo-oolitic, anhydritic and dolomitic, dense limestone, with abundant dark colored, rounded bodies and some Miliolids as above. Most of the "rounded bodies" mentioned probably represent secondarily dolomitised oolites. Some scattered fragments of algae noted.
- 13,023' A very highly oolitic, light grayish tan, dolomitic limestone. Oolites generally filled with very finely crystalline dolomite.
- 13,027' A light grayish brown, very highly oolitic, dolomitic limestone. Most of the oolites show only faint traces of structure from being secondarily dolomitised. A few algal fragments and a few small Gastropods also present.
- 13,030' A very highly oolitic, dark olive gray, dense limestone, composed of tightly packed oolites, among which are distributed two species of Miliolids, specimens of Textularian-like forms, some small specimens of the "Cunecosk", some algal fragments, and some sections of other undetermined fossil material.
Same as above - my name for this group
- 13,037' A very highly oolitic, dolomitic, light grayish tan limestone. The tightly packed oolites are generally filled with very finely crystalline dolomite. (See 13,039' of previous report.)
- 13,041' Like the preceding.
(See 13,043' of previous report.)
- 13,048' A very highly oolitic, dense limestone. Many of the oolites filled with very finely granular dolomite. Many specimens of Quinqueloculina and Spiroloculina scattered through oolites. Specimens of several species of partly biserial forms (Valvulinidae?) also common, and some specimens of "Cunecosk". A few specimens of Pseudocyclamina? sp.
- 13,050' Dense, grayish tan, very highly oolitic limestone. Some Miliolids scattered through the oolites. Core fragment is cut by a stylolite.
- 13,055' A dense, obscurely granular, pseudo-oolitic dolomite. Rock is packed with rounded fragments of limestone and fossil molds(?). Rock contains scattered specimens of Miliolids like those above, and scattered specimens of "Cunecosk" and species of Valvulinidae (Textularian-like).
- * 13,058' A dense, oolitic dolomite which exhibits what appears to be a flowage structure, with thin parallel bands and of a somewhat meandering (algal growth) crossing the core and with the oolites and rounded bodies between this material compressed laterally.
- 13,061' A dense, olive gray, anhydritic dolomite with a vaguely defined fragmental structure.

- 13,064' Dense, light grayish tan, originally very highly oolitic, micro-sucrosic dolomite. Original oolitic structure of rock only vaguely discernable.
- 13,067' Dense, dark olive gray limestone with some irregularities in core fragments coated with a dark gray shaly substance. Fine, irregular shaped, dark spots, and streaks of pyritic, carbonaceous material distributed through the limestone. *Small anarraceous nodules in dense arrangement in finely pelleted sh., (from thin section)*
- 13,072' A dense, light grayish tan, very highly oolitic limestone. Tightly packed oolites in a clear matrix which also contains small, rounded pellets of chalky material. At least 50% of oolites filled with finely crystalline dolomite. A few Miliolids scattered through the rock.
- Core #11 - 13,073-13,163'. Rec. 90'.
- Part
- 13,077' Light olive tan, sucrosic dolomite, with a moderately finely spotted, (pseudo-oolitic) appearance, from presence of abundant, rounded, darker spots, origin of which was not determined.
- * 13,080' Light olive gray, sucrosic dolomite. This is another rock segment suggesting a secondarily altered algal growth with thin, stem-like, meandering lines and rows of broadly elliptical, dark crystalline nodules (fairly uniform in shape and size and having a general pattern of arrangement) that seems to follow the stem-like structures. Some definite algal fragments scattered through the dolomite. *large, compressed Pseudocyclammuna. (from thin section)*
- 13,083' Dense, light grayish tan, microsucrosic dolomite, with a vaguely defined, fragmental and pelleted structure. Miliolids (species as above) irregularly distributed in the dolomite.
- 13,087' Light olive gray, dense, extremely fine grained dolomite, with a vaguely defined, finely and rather evenly pelleted structure.
- 13,093' Dense, olive gray, sucrosic dolomite, with a poorly visible, highly oolitic and pelleted structure. Scattered specimens of Spiroloculina, and some vague traces of other forams, now dolomitised.
- 13,097' Olive gray, pseudo-oolitic and pelleted, dolomitic limestone. Oolites and other structures generally dolomitised. Scattered fossil debris, common, and also poorly preserved.
- 13,102' Dense, olive brown limestone. Many irregularly distributed, dark gray "spots", round to irregular in shape, probably representing molds and fragmentary molds of fossil material. A few specimens of Quinqueloculina sp. recognized. Irregular areas in sample coated with a black shaly substance.

- 13,108' Light olive gray limestone. Material is moderately oolitic with oolites scattered among a large amount of fragmentary fossil material. Sections of Miliolids, some algal fragments, sections of small biserial forams related to Valvalinidae, fragments of microfossils noted. Limestone has a very finely sandy appearance due to presence of small crystalline particles scattered rather evenly through the rock.
- 13,109' Dense, olive brown limestone, irregularly highly to moderately oolitic. Scattered specimens of Quinqueloculina and Spiroloculina.
- 13,111' Dense, hard, light olive gray dolomitic, sub-crystalline limestone, with many irregularly distributed, small, gray spots.
- 13,113' Light tan, dolomitic limestone, with a finely and evenly pelleted structure.
- 13,117' Dense, olive gray, dolomitic limestone, with abundant evenly distributed and even sized, small, generally rounded to elliptical, gray spots (probably organic in origin). Material also has some moderately oolitic areas. + Baruana? sp. (from thin sections)
- 13,118' Light grayish tan, microsucrosic, dense dolomite finely gray spotted like the above. Sample also contains scattered fragments of macro-fossils, a few Ostracods, and some Miliolids - (Quinqueloculina and Spiroloculina.)
- 13,119' Dense, sub-crystalline, olive gray limestone. Sample contains some scattered oolites, some Miliolids and a few Ostracods, and a small amount of other fragmental fossil debris.
- 13,122' Olive tan, sucrosic dolomite, with abundant irregular, linear structures, suggesting that the material was mainly algal in origin (Lithothamnion?). Some gray "spots", irregular, clear, crystalline areas. A few sections of small Gastropods embedded in the coraline algal growth.
- 13,124' Olive brown, dense, sucrosic dolomite, with abundant, moderately small, gray spots, moderately even in size but somewhat irregular in shape, probably organic in origin.
- (13,126' - see previous report.)
- 13,127' Olive gray, argillaceous, microsucrosic dolomite. Contains a few gray spots.
- 13,132' Olive gray, sub-crystalline dolomite, with a faintly discernable pelleted structure, and irregular thin streaks and inclusions of dark gray shale.
- 13,135' Dense, light grayish tan, highly oolitic dolomite. Sample

(cont'd.)

packed with oolites that are filled with very finely granular dolomite. A few fragments of Favriena present, and some areas in rock filled with very small tubular and rounded bodies, also probably organic in origin.

- 13,137' Dense, olive brown limestone irregularly somewhat gray spotted. Some irregularities in the core fragment and part of one surface coated with a thin layer of black, shaly material. A few Miliolids, some sections of small Gastropods, and a few fragmentary sections of Pseudocyclamina(?).
- 13,140' Small sample of limestone similar to preceding. Contains a large bleb of anhydrite.
- * 13,142' Limestone mainly composed of a calcitised coralline algal growth similar to Lithothamnion.
- 13,144' A light grayish tan, highly oolitic, dolomitic limestone, with some portions of the rock showing a branching algal growth similar to the preceding. Some scattered Miliolids generally appearing as nuclei for oolites, also a few fragments of Cuneolina-like structure in some oolites.
- 13,146' Olive gray, dense, platy limestone. Some stylolites on the core segment.
- 13,152' Dense, light olive gray, microsucrosic dolomite.
- 13,154' Light gray, dark gray streaked anhydrite. *
- 13,157' Dense, light olive brown, microsucrosic dolomite very irregularly streaked and spotted with anhydrite.
- 13,159' Dense, olive tan, bioclastic limestone, with pseudo-oolitic appearance, due to abundant dark gray spots (possibly molds of Ostracods). Rock has abundant fragments of macrofossils, some algal fragments and shows a section of Pseudophragmina sp.
- 13,161' Dense, light olive tan, crypto-crystalline limestone. Irregularities on one surface of core segment coated with a black shaly material.
- 13,162' Sample of an ^{intra}interformational conglomerate. A highly oolitic, dense limestone, with scattered, angular to rounded, embedded fragments of a dense, gray limestone. Fragments of gray limestone also irregular in size.

(13,163' - see earlier report.)

Core #12 - 13,163-13,252'. Rec. 75'.Part
13,164'

Light grayish tan, moderately gray spotted (pseudo-oolitic), very finely detrital limestone. Gray spots are occasionally true oolites, some are molds of Ostracods, others not determined. Limestone contains scattered fragments of fossil material. Some specimens of Spiroloculina, and shows a section of a small Coskinolina-like form, similar to some found in the "Neocomian or Jurassic?" section of Big Pine Key well.

13,169'

Dense, hard, sub-crystalline, grayish tan, dolomitic limestone. A small portion of one core fragment partly coated with dark gray shale, and small portion of the limestone in this area contains many dark gray nodules and an abundance of fossil debris, including a few Miliolids and a section of Choffatella?

13,176'

Hard, dense, olive gray limestone, with irregularly distributed dark gray nodules (often rounded to oval in shape). Scattered specimens of Spiroloculina present.

13,182'

Olive gray, dense, sub-crystalline, dolomitic limestone, contains scattered specimens of a small Quinqueloculina and Spiroloculina.

13,186'

Light olive gray limestone, with some dark gray "spots" or nodules, and some specimens of Spiroloculina and a small Quinqueloculina. A few oolites seen in one small area of the core fragment.

13,188'

Dense, light olive gray, dolomitic limestone.

13,192'

Dense, olive gray limestone, showing a large stylolite. One portion of core segment highly oolitic.

13,194'

Dense, olive gray, sucrosic dolomite in contact with a dolomitic limestone or sub-crystalline dolomite. Thin, irregular, black, shaly streaks on contact. Limestone is dense but has a finely detrital structure. Contains many scattered specimens of small Miliolids (species same as above.) Some molds of small Gastropods. A few Ostracods.

13,198'

A dense, olive gray, bioclastic, pseudo-oolitic limestone, with abundant dark gray spots, (in part, probably molds of Ostracods, with a few oolites), and fragmental fossil material. Scattered Miliolids, species same as above.

13,203'

Dark olive gray, dense, dolomitic limestone.

13,207'

Dense, dark olive gray limestone. Sample coated, on one surface with a thin layer of dark gray shale.

13,210'

Dark gray shale.

- 13,212' Microsucrosic, olive gray dolomite, with fine meandering veins filled with a brownish dark gray material.
- 13,213' Light grayish tan, sucrosic dolomite, with a pelleted structure. Pellets are rounded to irregular in shape, fairly well sorted for size.
- 13,216' Like the preceding.
- 13,219' Light grayish tan, sucrosic dolomite, with a vaguely defined, pelleted structure similar to the preceding. Material also contains abundant, very fine, gray spots, possibly organic in origin.
- 13,221' Light gray anhydrite.
- 13,224' Dense, dark olive gray, finely dark spotted limestone bordered by moderately thin lenses of dark gray shale.
- 13,225' Dense, bioclastic, grayish brown, anhydritic and dolomitic limestone, composed of a closely packed and tightly cemented mass of macrofossil fragments.
- 13,227' Dense, dark olive gray, dolomitic limestone.
- 13,230' Dense, dark olive gray, dolomitic limestone. Core segment, very highly gray spotted in area, and has abundant fragmental fossil material and some dark spots over another area. A thin lense of black material cuts through the center of the core fragment.
- 13,232' Dense, olive gray, dolomitic limestone. Platy fracture.
- 13,235' Light grayish tan, dense, bioclastic and oolitic limestone. A firmly cemented mass of oolites, combined with abundant fragments and young specimens of fossil bivalves.
- * 13,237' Dark olive gray, very highly oolitic limestone. Specimens of Spiroloculina and Quinqueloculina serve as nuclei for some of the oolites. Some fragments of other fossil material scattered through the limestone.

Cuttings.

- 13,252' Sample about 50% dark gray shale (probably mainly caving), and 50% fragments of a dense, brown limestone, some fragments of limestone highly oolitic, most fragments with fragmental fossil material common. Miliolids same as in higher portions of the (Neocomian or Jurassic?) section noted on a few limestone fragments.
- 13,260 - 70' Shale and limestone, each about 50% as above. Shale probably mainly caving. Limestone grayish brown, dense, platy, some fragments with many fine, gray spots of non-determinable origin and some with larger dark gray spots, some of which probably represent Ostracod molds.
- 13,270 - 80' Limestone and shale as above. Many fragments of limestone at this depth highly oolitic and with some small specimens of Miliolids.
- 13,280 - 90' Limestone and shale as above, and about 50% anhydrite.
- 13,290 - 300' Sample mainly limestone, and sucrosic dolomite, with a small amount of anhydrite, and a little shale. Many of the limestone fragments oolitic. Many of dolomite fragments finely dark streaked and spotted (carbonaceous material?).
- 13,300 - 10' Sample composed mainly of flaky fragments of a hard, dense, olive brown limestone, and many fragments of a light tan, moderately soft limestone, which may represent mottled areas in the brown limestone. Many of limestone fragments have fine, partly irregular-shaped, dark gray spots, which may represent traces of carbonaceous material. See #25 and 26 on slide.
- 13,310 - 20' Flaky fragments of the hard, olive brown and light tan mottled, finely and irregularly gray spotted limestone as above. A few fragments of shale and of anhydrite.
- 13,320 - 30' Limestone as above, and about 20% fragments of dark gray, very finely dolomitic shale or shaly dolomite.
- 13,330 - 40' Sample about 50% limestone like the above, and 50% dark gray shale, and some dolomitic shale. A few of the light colored limestone fragments have many dark gray outlines of fossil material including Ostracods. Some fragments of fossil material on other fragments of the limestone. A few fragments with Miliolids.
- 13,340 - 50' Similar to the preceding. A few fragments of anhydrite.
- 13,350 - 60' Like the above with slight increase in fragments of anhydrite.

- 13,360 - 70' Sample about 50% dark gray shale, and 50% olive brown, sucrosic dolomite and limestone. Some fragments of anhydrite. Some fragments of the dolomite, with abundant small, gray fragments (carbonaceous material?).
- 13,370 - 80' Limestone and dolomite, and about 50% shale as above. A few fragments of anhydrite. Some fragments of pseudo-colitic dolomite.
- 13,380 - 90' Olive brown, flaky limestone, and a small amount of shale and anhydrite. Some fragments of the colitic limestone, and traces of fossil material, including Ostracods also indicated by dark colored outlines scattered on the limestone fragments.
- 13,390 - 400' Cutting of olive tan limestone with some anhydrite blebs, and about 50% anhydrite, a little dark shale. A few of limestone fragments colitic.
- 13,400 - 10' Olive tan, hard limestone as above, about 25% dark gray shale, and some anhydrite.
- 13,410 - 20' Limestone as above, about 25% shale, and some fragments of anhydrite.

E. R. Gilling

GL-OT-1

LOG - ADJUSTED LITHOLOGY

P152

6900-80 Dolo, DIC - TO - MEDIUM - BAN, F-GAN, ARGILL.

6980-7075 " M-GAY, M-XTRAL, MUCH VUGGY POROSITY

7075-7220 " M-BAN, VF-XTRAL, MASSIVE

7220-7920 - Loo OK - CHALK, WH, HARD, MASSIVE,

MUCH TAN EXTENSIVE DOLO & WHITE Cr. I

PRISMS. SHALE LAYERS ARE ASH BEDS, V LTR-CLY,

WAXY.

7920-8173 - Loo OK

8173-8180 - GREEN "PENCIL" SHALE, ARGILL - TOP WASHITA

8180-90 - Dolo, TAN, F TO M-GAN, ARGILL.

8190-8210 - WHITE PORETAL LS. MUCH TAN DOLOMITIC

8210-20 - Dolo TAN, M-XTRAL, SACCHARIN

8220-80 - LS AS 8190-8210

8280-8400 - Dolo, F-XTRAL, F-GAN, MUCH VUGGY POROSITY

8400-10,800 - N/S

10,800-10 - LT-BAN SACCH. DOLO, MUCH INTERGRANULAR

Porosity.

10,810-80 - LS, M-GAY, PARTLY DIC-GAY SPOTTED, OOLITHIC,

MICROXTRAL, MINOR BAN MOTTLING

10,880-90 - SHALE, BUE, HARD, CALCAREOUS.

10,890-915 - Dolo, TAN, F-XTRAL, SACCHARIN.

10,915-80 - LS, TAN, MICROXTRAL, ^{SOFT} WITH MUCH GREEN

SHALE MASS.

10,980-11,000 - LS, TAN, MICROXTRAL, DENSE. TR. REVER OOLITHIC

11,000-20 - DOLOMITIC LS, TAN, SOFT. 40% BAN DOLO XTRAL

IN CHALKY TAN LS MASS.

11,020-490 - N/S

- 12590-625 - LS AS 12,075-265
- 12625-68 - Dolo AS 12,500-90
- 12268-700 - LS AS 12,075-265
- 12700 - 13250 - N/S
- 13250-78 - LS, BAN, DENSE, HARD, MICROTEXTURE
- 13278-97 - Dolo, LT-BAN, F-TEXTURE, MASSIVE
- 13297-308 - ANHY, WHITE, MASSIVE, PURE
- 13308-20 - LS AS 13250-78
- 13320-38 - Dolo, TAN, F-TEXTURE, MASSIVE
- 13388-42 - LS AS 13250-78
- 13342-50 - SHADE, BULK, HARD, SILTY, FISSILE
- 13350-57 - LS, LT-GAY, MICROTEXTURE, HARD, DENSE
- 13357-80 - Dolo AS 13250-78
- 13380-410 - ANHY, WHITE TO BAN, MASSIVE, PURE

FLA-GL-OT-1

6900-10	100% br-lt gy, ^{-creamy} vuggy, fgn, ^{SACCs} hard ls, tight, some grains may be domed.
6950-60	"
7000-10	"
7050-60	"
7100-10	"
7150-60	" colors a little darker than before
7200-10	" Now mostly creamy-lt br
7250-60	" Mostly <u>lt br</u> Tr. wh sh
7260-80	100% wh, soft sh
7300-20	" Tr. Ings.
7320-00	"
7480-00	"
7500-20	95% " 5% creamy-br, fgn, SACC, hard, tight ls
7520-10	" "
7540-60	90% " 10% br, soft calc. clay
7600-20	" 10% creamy-br, fgn, SACC, hard, ls Tr. Anh
7680-00	100% " Tr. black sh
7720-40	95% " 5% black sh
7780-00	100% " Tr. black sh
7800-20	" "
7820-40	95% " 5% br-ry, fgn, SACC, hard, ls Tr. black sh
7840-60	" " "
7860-80	100% " 5% wh-br Anh Tr. black sh

harder than above

7820-80	90% wh-dull, v ch ls, soft	5% black, soft sh	5% wh ch
7900-20	80% "	15% "	"
7920-40	70% " w/ foss	10% "	"
7940-60	60% wh-tan, soft ch ls	25% "	15% brkly, fig, musc, hard ls
7960-80	65% "	"	10% "
7980-00	50% "	20% "	30% musc.
8000-10	10%	10%	80% " Tr. biotite
8010-20	5% "	5% "	90% " "
8020-30	25% ^{calc.} grey, soft ls	25% musc flakes	10% wh, v ch ls, soft
8030-40	50% "	Tr. musc flakes	50% "
8040-50	40% "	"	40% wh ch, indurated
8050-60	70% "	5% "	25% "
8060-70	50% "	Tr. musc. flakes	50% " ^{ls.}
8070-80	35% "	"	60% "
8080-90	40% "	20% "	40% "
8090-00	20% "	10% "	40% "
8100-10	40% "	15% "	45% "
8110-20	40% "	Tr. musc. flakes	60% "
8120-30	50% "		50% v ch, wh ls
8130-40	40% "		60% "
8142	100% creamy, fgn, somewhat calc, hard ls, slightly ch		
8145	50% "		40% musc flakes
	5% clean-milky, A-red, c sand		5% biotite flakes
8148-50	50% wh, v ch ls	40% musc. flakes	5% black sh 5% clean-milky, A-red c sand

- 8150-60 | 45% creamy-wh, fgn, somewhat sacc, hard, slight ch ls 15% dk-ult sy sh
30% musc. flakes 5% A-red, clear milky c sand 5% wh ch
- 8160-70 | SAME (8150-60)
- 8170-80 | 25% fgn, fgn ls w/ black irregular inclusions 50% wh ch 10% black sh
20% musc flakes 10% fgn, sometimes sacc, ult sy ls
- 8180-90 | 15% creamy sy-wh, fgn, sacc, hard, slight ch ls 20% wh-ult sy soft ch
5% A red, clear milky, c sand Tr. musc flakes
- 8190-00 | SAME (8180-90) "
- 8200-10 | 75% br-tan-creamy, fgn, sacc, hard ls 5% wh Anh 5% clear, A-red, c sand
15% wh-ult sy ch
- 8210-20 | 75% wh-creamy, soft ch 25% fgn, sacc, hard, tan ls
- 8220-30 | 40% " 50% " 10% wh Anh
- 8230-40 | 20% " 50% " 20% "
- 10% black, calc sh Tr. musc flakes
- 8240-50 | 20% wh-creamy, indurated, ch ls 30% fgn, sacc, tan-creamy, hard ls
30% wh, v fgn Anh 10% olive green, soft sh 10% soft black sh
- 8250-60 | 50% wh-creamy, indurated, ch ls 30% fgn, sacc, tan-creamy, hard ls
10% olive green, soft sh 10% wh, fgn Anh Tr. black sh
- 8260-70 | 90% wh-creamy, indurated, v ch ls 10% fgn, tan-creamy, hard, sacc ls
- 8270-80 | 40% " 60% " Tr. black-green sh
- 8280-90 | 50% " 50% " Tr. black sh
- 8290-00 | " " "
- 8300-10 | 40% " 40% "
- 10% black, soft sh 10% wh, fgn Anh Tr. green sh
- 8310-20 | 40% tan, fgn, sacc, hard ls 30% wh, soft, v ch ls 5% wh Anh 5% black-green sh

10,990-001 30% dk grey, ^{br}crypto, hard, tight ls 30% tan grey, hard, crypto, tight ls, foss ls
30% br, fgn, sacc, hard, ls 10% black, calc sh

11,000-101 SAME (10,990-00)

11,010-001 25% dk grey, ^{br}crypto, hard, tight, ls 25% tan grey, hard, tight, crypto, foss ls
45% br, fgn, sacc, hard, ls 10% black, calc sh

11,024 60% dk grey-br, crypto, hard, tight ls w/ some foss 25% br, fgn, sacc, hard, ls
15% black, calc sh, soft

11,024-11,490 No SAMPLE

11,490-001 40% dk grey, black, calc sh, hard 20% creamy, soft, foss, ch ls
30% br, fgn, sacc, hard, ls, arg 5% wh, anh 5% dk grey, hard, ufgn, ls

11,500-101 SAME (11,490-00)

11,510-201 "

11,520-301 80% lt dk grey, hard, tight, calcite & foss ls 10% black, calc, hard sh
5% wh, anh 5% wh, soft ch

11,530-401 " " " " "

11,540-501 80% m-dk grey, ufgn, hard, tight ls w/ some foss & calcite
10% wh-uh, br, ufgn, ch ls 5% black, calc sh 5% wh, anh

11,550-601 " " " "

11,560-701 " " " "

plenty of fossils

11,570-801 100% lt dk grey, ufgn, hard, tight, calcite ls

11,580-901 "

11,590-001 50% " 45% lt dk br, fgn, sacc, soft ls
5% soft, wh, ch

11,600-101 10% lt dk grey, ufgn, hard, tight, calcite ls 60% " 20% soft, black sh
10% wh, soft ch

11,450-60	5% Lt-dk gy - Lt br, cryptic, hard, but low conc foss			
	60% dk br - emery, sq, sacc, hard ls	10% wh, soft ch	2% black, soft sb	
11,460-70	30% cryptofoss. ls as above	30% sacc. ls as above	20% ch	20% "
11,470-80	40% "	20% "	20% "	20% "
11,480-90	"	"	"	"
11,490-00	90% Lt-dk gy - br, cryptic, tight, hard, fossils	10% Lt br, sq, sacc, hard ls		
	Tr. only black sb			
11,500-10	"	but fewer foss.		"
11,510-20	"	almost no foss.	10% black sb	
11,520-30	No sample			
11,530-40	90% Lt-dk gy - br, cryptic, tight, hard, ls w/ a few foss		10% black, hard, calc sb	
11,540-50	85% "		15% "	
11,550-60	75% "	5% wh, soft ch	20% "	
11,560-70	30% "	10% "	60% "	
11,570-80	10% "	5% "	55% "	
11,580-90	30%		70% "	
	↗ (Goes to thin AT 11,590-90)			
11,920-30	20% "		80% "	
11,950-60	30% "		70% "	
12,000-10	40% "		60% "	
12,010-20	45% plenty of nodules		55% "	
12,020-30	"		"	
12,030-40	40% "		40% "	
12,040-50	45% "	less nodules than above.	55% "	
12,050-60	45% "	taking on a sacc. + some s. bedding a little arg.	55% "	

12,040-70 | 40% black, hard, calc sh w/olig, -br, crypto-ufgr, somewhat sacc, hard, ls w/adites

12,070-80 | No Sample

12,080-90 | 50% " 50% " but sacc, ferruginous

12,090-00 | 55% " 40% litay-br, crypto, hard, tight ls w/out adites

12,100-10 | No Sample

12,140-20 | 40% black, hard, calc sh 60% litay-br, crypto-ufgr, hard, soft, tight-ch, adites, ls

12,150-30 | No Sample

12,200-40 | 50% black, hard, calc sh 50% "

12,250-50 | 40% " 60% "

12,300-60 | 45% " 55% " 5% br, fgr, sacc, hard ls

12,350-70 | " " 5% wh anh - this comes in as (12,330-40) many adites as before

12,390-00 | 60% " 30% " 10% "

12,400-10 | 40% " 20% " 15% "

12,410-20 | 50% 25% br, fgr, sacc, hard, lit, ls, slightly wussy 11% sacc ls 35% " (crypto, adites) 15% "

12,420-30 | 40% 30% " 30% "

12,430-40 | " " " "

12,440-50 | 50% " 25% " 25% "

12,450-60 | 40% " 60% "

12,460-70 | 35% " 65% "

12,470-80 | 50% " 50% "

12,480-90 | " " " "

12,490-00 | 50% 45% " 5% wh, fgr anh

12,500-10	50% black, hard calc. sh	40% lt. dk by crypto, hard - soft, tight - ch, ls w/ some calc. sh	10% wh, fgr. enh
12,520-30	40% "	50% "	"
12,530-40	40% "	60% "	"
12,540-50	50% by fgr, sac, hard, tight calc. ls	30% black, calc. sh	20% by crypto, hard, tight, calc. ls
12,550-60	"	"	"
12,560-70	15% "	50% "	35% "
		less calc. than above. See back of these.	
12,570-80	20% "	70% "	10% "
12,580-90	5% "	70% "	25% "
12,590-00		50% "	50% "
12,600-10		40% "	60% " partly of calc. sh
12,610-30	No Sample		
12,630-40	50% by fgr, sac, hard, ls	30% black, hard, calc. sh	20% by crypto, tight, calc. ls
12,640-50	10% "	40% "	50% "
12,650-60	5% "	45% "	45% "
12,660-70	10% "	50% "	40% "
12,670-80	5% "	"	45% "
12,680-90		50% "	50% "
12,690-00	5% "	30% "	65% " some ch. grains
12,700-13,250	No Sample		

13,250-60 | 50% black, hard, calc sh : 50% br-tan-ult, crypto, hard, light ls w/ some oolites

Tr. Anh

13,260-70 | 30% " 70% " Tr. Anh

13,270-80 | " " "

13,280-90 | 30% " 50% " 15% wh Anh

13,290-00 | 10% " 40% " 50% br-tan, fgn, sac, hard, ang ls

13,300-10 | 5% " 90% " 5% "

13,310-20 | 10% " "

13,320-30 | 20% " 60% " Tr. Anh

13,330-40 | 40% " 60% " "

13,340-50 | 50% " 50% " "

13,350-60 | " " "

13,360-70 | 45% " 45% " 10% wh Anh

13,370-80 | 30% " 50% " 20% br, fgn, sac, hard, ang ls

13,380-90 | 30% " 40% " 30% "

13,390-00 | 30% " 50% " 20% wh Anh

13,400-10 | 50% " 35% " 15% "

13,407 | " 50% "

13,410-20 | 50% " 50% " Tr. wh Anh

13,422 | 50% " 15% " 35% wh Anh

FLA-62-1

P152

W-2912
WGI-42S-33E-25
Joe Banks

OWNER : Coastal Petroleum Company, Well,
John Tiedtke & Wm. Schroeder
LOCATION : Sec. 25, T42S-R33E
COUNTY : Glades
DRILLER : Tri State Drilling Co.
STARTED : 3/11/53
COMPLETED : 7/11/53
ELEVATION : 25' DF Est.
DEPTH : 13,424'
REMARKS : 115 samples, 0-1220', brought in by
Wendell Roberts, April 10, 1953. To
remain confidential for 90 days after
completion. Cores from 11024' through
13,236' were brought into the office by
Joe Banks, Coastal Petroleum Co. 8/14/53.
227' N & 71'E of SW/c of NW/4 of Sec. 25,
T4sS, R33E, 299 additional samples 1200-
9800' brought in by A. Gilliam 9/24/53.

Dup. Smpls. & Cores in wrhs.

4-15-75

- 0-70 SAND, phosphatic, shell and loose sand cemented at base fossiliferous -
Balanus, Balanus C - Strigills, Elphidium, pink quartz, cemented.
- 70-80 LIMESTONE, gray, phosphatic, shell calcitic, siliceous and dense, cemented
fossiliferous - Balanus.
- 80-90 SAND, yellow, phosphatic, calcitic, shell, siliceous, dense and cemented.
- 90-100 LIMESTONE, brown, clayey, shells, siliceous and calcitic, dense, cemented
Balanus.
- 100-110 SAND, yellow, phosphatic, sandy, calcite, dense, vuggy, cemented, :
Balanus
- 110-130 LIMESTONE, light green and black speckled, Clay, calcitic, some phos-
phate pebbles, sandy, densely cemented.
- 130-245 SHALE, green, light brown to dark green, and sand cavity, some clay,
micaceous.
- 245-250 DOLOMITE, clayey, calcitic, phosphorite, sandy, very fine grained.
- 250-400 SAND, yellow, clayey, phosphate pebbles, sandy, very fine grained, vuggy,
dense (tooth cave?)
- 400-410 SHALE, greenish, brown, clayey, dolomitic, some phosphate pebbles,
calcitic, porous, very fine grained

- 410-415 SHALE, gray, clay, dolomitic, phosphatic, very fine and porous, Diatoms.
- 415-470 SHALE, light greenish-gray, clayey, dolomitic sand, very fine, calcitic, white shells, Globigerina.
- 470-480 SHALE, dark brown, clayey, dolomitic, shells calcitic, fossiliferous; diatoms abundant, bryozoa, green shale cave at 515-520.
- 480-560 LIMESTONE, speckled, clayey, phosphate pebbles, calcitic, dolomitic, white to light brown dolomite pebbles.
- 560-570 SHALE, light brown, Clay, phosphatic, sand, calcitic, shells as assorted bryozoa, very fine.
- 570-580 DOLOMITE, porous, very fine
- 580-590 LIMESTONE, clayey, phosphate pebbles, calcitic, sandy, very fine grained and porous
- 590-600 SHALE, light greenish-gray and speckled - clayey, calcitic, phosphate pebbles - porous and very fine
- 600-610 SAND, white, phosphate pebbles, clayey
- 610-640 SHALE, light greenish-gray, calcitic, sandy, very fine grained and porous, phosphate pebbles.
- 640-665 SHALE, light brown, clayey, dolomitic, phosphate pebbles, calcitic, porous and very fine grained.
- 665-685 LIMESTONE, white-speckled, dolomitic, few phosphate pebbles, shells, calcitic, fossiliferous, very fine, assorted bryozoa
- 685-700 DOLOMITE, brown clayey, very fine and cemented in part.
- 700-710 LIMESTONE, speckled white, clay, phosphate pebbles, calcitic, dense, vuggy, cemented in part.
- 710-740 SAND, gray, dolomitic, phosphate pebbles, dense vuggy, cemented
- 740-800 DOLOMITE, clayey, phosphate pebbles, dense, sandy, very fine grained, partly cemented and vuggy.
- 800-805 SHALE, dark gray, clay, calcite, cemented in part
- 805-1040 LIMESTONE, very light brown to white to dark brown, dolomitic, shells, calcitic, cemented in part, forams, crab shells, *Lepidocyclina*, ostracods, pecten, gypsina, operculinoides, amphistegina, mim. molds, etc.

- 1040-70 DOLOMITE, light brown, as above
- 1070-1100 LIMESTONE, as above
- 1100-10 DOLOMITE, as above
- 1110-60 LIMESTONE, as above
- 1160-1300 DOLOMITE, light brown to brown, as above

OWNER : Coastal Petroleum Company
FARM NAME : John Tiedtke & Wm. Schroeder #1
LOCATION : Sec. 25, T42S, R33 E, about 4 miles
NW of Clewiston
COUNTY : Glades
STARTED : March 11, 1953
COMPLETED : July, 1953
CASING :
DEPTH : 13,420
DRILLER : T.B. Hawk, Contr. Laurel, Miss
USE : Test for oil

REMARKS: 115 samples, from 0 to 1220', were brought
in by Wendell Roberts, April 10, 1953.
To remain confidential for 90 days after
completion

Caloosahatchee marl

0-20, 20-40 Fine to medium, loose quartz sand and broken mollusk shells.
Phosphorite grains, few.
50-60 No sample

Tamiami formation

60-70, 70-80 Very sandy, light gray, hard, porous, phosphoritic,
coquina limestone. Seams of hard, calcareous sandstone.
(Note log)
80-90, 90-100, 100-110, 110-120, 120-130,
130-140 Same, sand very coarse.
140-150 Calcareous sandstone and sandy limestone and light gray, micaceous,
sandy, slightly phosphoritic marl.
150-160 Marl above and fine quartz sand.
160-170, 170-180, 180-190,
190-200 Fine quartz sand and greenish-gray, fissile, sandy clay.
200-210, 210-220 Fine quartz sand and light brown, slightly calcareous,
silty clay.
220-230 Clay above and coarse quartz and phosphoritic sand, loose.
230-240 Same as 200-210'.
240-250, 250-260 Tan, slightly calcareous, sandy, fissile clay with
phosphorite and hard limestone, nodules rarely and grading
into tan, sandy, phosphoritic, hard, calcareous, quartz
sandstone or sandy limestone.

Hawthorn formation

260-270, 270-280 Yellow-gray, sandy, hard, impure limestone and abundant
phosphorite nodules.
280-290, 290-300 Loose, fine to coarse, quartz sand, phosphorite, and rock above.
300-310, 310-320, 320-330, 330-340, 340-350 Same.
350-360, 360-370 Yellow-gray, sandy, hard, dense, subcrystalline limestone.
Poorly phosphoritic.
370-380 Fine to medium, loose quartz sand and rock above.
380-390 Same with brownish-gray, sandy clay.
390-400 Same as 280-290, 20% small grains of phosphorite.
400-410 Brownish-gray, granular, sandy, phosphoritic marl and sand.

- 410-420, 420-430,
430-440 Medium-gray, silty, sandy, calcareous, phosphoritic, waxy clay and some quartz sand.
- 440-450, 450-460 Same with dark-gray, slightly calcareous, clay with sponge spicules and radiolarians.
- 460-470 Yellowish-gray, sandy, phosphoritic, silty, soft limestone.
- 470-480 Limestone above and cream, porous, unconsolidated bryozoa.
- 480-490, 490-500 Cream, soft, porous, poorly consolidated, sandy, phosphoritic limestone.
- 500-510, 510-520,
520-530 Same, some yellowish-gray, calcareous clay.
- 530-540, 540-550, 550-560,
560-570 Cream, porous, friable, soft, coquinoid limestone and fragments of rock above.
- 570-580 Light greenish-gray, blocky; gray calcareous sandstone and rock above.
- 580-590 Light gray, soft, dense, phosphoritic marl; gray, calcareous, quartzitic sandstone.
- 590-600, 600-610,
610-620 Same with seams of indurated marl, some crystalline, much phosphorite.
- 620-630 Mixture of gray clay; granular limestone; and light gray marl - probably clay as below.
- 630-640 Light greenish-gray, waxy, blocky, calcareous clay.
- 640-650, 650-660 Marl of 590-600 and light gray, hard, dense, dolomite fragments.

Suwannee limestone

- 660-670, 670, 680
680-690 Cream, granular, soft, porous, bryozoa, limestone.