P116

Gulf Oil Corporation
#1 Brooks-Scanlon, Inc.
Block ~~#85~~ 42
Sec. ~~10-4S-9E~~ 9-8S-9E
Taylor County, Florida

Elev: 85' GR
96' DF

2000-10'	Moderately coarsely granular porous tan dolomite.
2010-20'	Like the above - some large flakes of selenite.
2020-30'	No change.
2030-40'	No change.
2040-50'	Light tan dolomitic limestone, very finely granular, generally dense with irregular, somewhat porous areas.
2050-60'	Like the preceding, with some traces of fossil molds and impressions.
2060-70'	No change.
2070-80'	No change.
2080-2120'	Light tan, finely granular and porous to dense, slightly porous dolomitic limestone. Some vague traces of fossil molds and impressions. A few flakes of selenite.
2120-30'	Light tan, very finely granular, dense, slightly porous dolomite, a little anhydrite. Some vague traces of fragmental fossil molds and impressions.
2130-40'	Light tan, very finely granular, somewhat porous, anhydritic dolomite.
2140-50'	No change.
2150-2250'	Very finely granular, moderately to highly porous, anhydritic dolomite.
2250-60' Top of L. Lawson	Very finely granular, finely porous, somewhat anhydritic, dolomite with a few fragments of a very finely and highly dolomitic chalk. Some small forams noted in dolomitic chalk. A fair specimen of Bolivina incrassata present. (See #13 on slide)
2260-70'	White chalk, irregular very finely dolomite with apparently contains much, very fine micro-fossil material, but usually soft and too poorly preserved to be identified. Globigerina-like forms common. Specimens of Anomalina clementiana, small specimens of Cibicides harperi fragments of Bryozoa and of a Blastoid-like comatulid (common in the L. Lawson) and a fragment of Lepidorbitoides?. A few Ostracods. (See #14 on slide)
2270-80'	Irregular very finely and highly dolomitic chalk, some poorly preserved small forams and other fossils as above.
2280-90'	Chalk, and many fragments of a grayish tan succros dolomite. A few determinable small forams and other fossils. Age - L. Lawson.
2290-2370'	Like the preceding - the succros dolomite - 50% to 75% of samples.
2370-80'	Moderately hard white chalk. Some fragments of Bryozoa - some small Brachiopods, large Echinoid spines. Some specimens of Robulus sp - Cibicides harperi, one small Lepidorbitoides. (See #15 on slide).
2380-2440'	Like the preceding.
2440-50'	Chalk and a few fossils as above - at least 50% of sample, tan succros dolomite and finely dolomitic chalk.
2450-80'	Like the preceding.
2480-90'	Mainly chalk as above, a little dolomitic chalk and dolomite.
2490-2560'	No change.

2560-70' Mainly chalk as above; a few specimens of moderately large variety of Cibicides harperi (common in Lower part of L. Lawson) and some fragments of Inoceramus. Some fragments of other bivalves, Brachiopods and large Echinoid spines. A small specimen of Globotruncana (See #16 on slide).

2570-2600' Like the preceding, except very few Inoceramus fragments.

2600-10' Chalk as above - specimens of large variety of Cibicides harperi abundant, some specimens of Bolivina incrassata, fragments of Inoceramus fairly common, some crystals of barite in chalk.

2610-20' Similar to above, but specimens of Cibicides harperi less abundant.

2620-30' Like the preceding. A few small specimens of Stensiöna americana and a few of Globotruncana. A small amount of succros dolomite.

2630-40' Tan, very finely granular dense to porous dolomite.

2640-50' Like the preceding. Cavings common.

2650-60' No change.

2660-70' Like the preceding. Inoceramus fragments common.

2670-80' No change. (Inoceramus fragments abundant (Note) and Stensioina americana and a few small specimens of Anomalina scholtzensis found in samples slightly above this point.

Note: 2680' Top of Taylor by Schlumberger.

2680-90' Tan succros dolomite and some chalk, many Inoceramus fragments and a few fragments of light greenish gray bentonitic shale (See #17 on slide).

2690-2740' (Sample poor and mainly cavings and dolomite. Some samples obviously out of place included).

2740-50' Like the preceding. Materials as above - some specimens of Anomalina scholtzensis, Globorotalia micheliana, Anomalina cosdeni Bulemina Kickapooenses and Bolivinoides decorata - a typical Taylor fauna. (See #18 on slide).

2750-60' Cut of white chalk, tan succros dolomite and a few fragments of the light gray green bentonitic shale)probably caving) numerous Inoceramus fragments and prisms, some barite and some forams as above, some cavings.

2760-70' Like the preceding. Inoceramus fragments and prisms abundant.

2770-2830' No change.

2830-40' Chalk, succros tan dolomite, many Inoceramus fragments, some barite, a few forams (species as above) and a few fragments of the bentonitic shale, still caving.

2840-60' Like the preceding.

2860-70' Chalk, some dolomite, fragments of Inoceramus and a few fragments of other fossil bivalves, a few fragments of a darker gray marly shale. Some inclusions of pyrite. Few forams.

2870-2900' Like the preceding.

2900-10' Moderately hard white chalk, some fragments of several types of dolomite (apparently caving) - a few fragments of moderately dark greenish gray marly shale, some Inoceramus prisms and fragments, very few forams.

2910-3070' No change.

3070-80' Sample mainly chalk as above, a few of the fragments streaked and stained with dead oil residue on fragments with a vein of gilsenite. Some Inoceramus prisms and fragments and a few fragments of other bivalves.

Top Austin

3080-3100' No change.

3100-10' Sample mainly moderately hard white chalk, some Inoceramus fragments, a few of chalk fragments stained with dead oil.

3110-40' No change.

3140-50' Moderately hard, white and some light brownish gray chalk, some of the fragments stained and spotted with dead oil. Numerous Inoceramus fragments and prisms. Some pyrite nods.

3150-70' No change.

3170-80' Light brownish gray chalk (some white still caving). Many Inoceramus fragments and prisms - numerous pyrite nods. A few fragments of dark gray, white speckled marl. Few forams washing free.

3180-90' Light gray chalk, a few fragments of gray shale, many Inoceramus prisms and fragments. Some fragments of chalk, stained and spotted.

3190-3240' No change.

3240-50' Light gray chalk and Inoceramus fragments as above, a number of fragments of a somewhat darker brownish gray marly chalk, light speckled from finely broken and crushed chalky micro-fossil material. Some pyrite nods.

3250-70' Like the preceding also some fragments of moderately dark gray marly shale.

3270-80' Light gray to white chalk. Inoceramus fragments and prisms and a number of fragments of dark brownish gray somewhat light "speckled" marly chalk.

3280-3300' Like the preceding.

3300-10' Like the above with marked increase in amount of dark brownish gray light "speckled" shale present (See #19 on slide).

3310-3400' Like the preceding. Specimens of Globotruncana and Globigerina, becoming increasingly common in fauna.

3400-10' White and light gray chalk, also many fragments of brownish gray, light "speckled" marly chalk, Inoceramus fragments and prisms common, also many specimens of several species of Globotruncana, some specimens of Globigerina and a few of Gumbelina reussi. A few small Anomalinas (See #20 on slide).

3410-3500' Like the preceding.

3500-10' Fragments of light to dark brownish gray, light "speckled" marly chalk very abundant. Many fragments of dark, also show a large amount of very finely broken calcitic material and minute globular bodies. Fauna same as above.

3510-30' Like the preceding.

3530-40' Chalk to dense light grayish tanmoderately hard limestone, composed mainly of a mass of finely fragmental calcitic fossil material and minute globular bodies. A little very fine quartz sand also present in limestone.

3540-50' Like the preceding.

3550-60' No change.

3560-70' Like the above with many cavings. A few fragments highly and finely sandy.

3568-70' Core #7 Rec. 2' Top: Flaky greenish gray and dark brownish gray, very finely and highly "speckled" shale. Material also somewhat finely micaceous. Some portions of shale contain a large amount of fragmental andcalcitic, macro-fossil material; fish scale fragments. Material apparently contains a large amount of fossil material. Mostly crushed, and fragmental or very minute. A few specimens of Globigerina and Gumbelina washed free.

Middle: Light greenish gray, argillaceous limestone with apparently some thin lenses of gray shale. (Material not washed).

Bot: Dark brownish gray, highly and very finely light "speckled" shale. A little mica present. Micro-fossil material apparently abundant, but chalky and crushed and broken for the most part. A few Globigerinas and Gumbelinas wash free.

3560-70' Core #8 Rec. 8' Top: Very dark gray flaky shale. Some very minute forams in shale. Globigerina and Gumbelina. A few fragments of fish bones. Sample marked "Top 1'" dark gray shale with many specimens of Planulina eaglefordensis, a few specimens of a small species of Globigerina and some Gumbelinas. Gumbelina mooremani present. Fish scale fragments also present.
3rd 1': Dark gray shale similar to preceding with areas filled with finely broken and washed, chalky fossil material and a few thin highly and very finely sand and calcitic hard lenses. Shale partly dark brownish gray, partly dark greenish gray in color. Some specimens of Planulina etc as above. Most of fossil material present badly crushed and distorted, apparently during deposition.
4th 1': Thinly laminated, flaky shale dark greenish gray shale with many thin irregular partings filled with finely broken and crushed partly chalky and partly calcitic fossil material and some fish scales. A little mica in the shale. Micro-fauna as in preceding.
5th 1': Material as above. Fossils, chalky and crushed, generally not determinable.
6th 1': No change.
7th 1': Shale with many highly "speckled" partings (crushed and finely broken chalky material) and some thin hard lenses filled with crushed chalky fossil material and fine calcitic material. Mainly small micro-fossil molds - a trace of glauconite. Globigerina and Gumbelina strongly dominant in the calcitic fauna. A few Planulinas and one Globotruncana noted. (See #22 on slide).
Bot. 1': Hard light gray, chalky textured limestone.

3580-86' Core #9. Rec. 6'. Top: Dark brownish gray, thinly laminated, light "speckled" shale withsome mica and fish bone and scale fragments. Micro-fossil material abundant, but usually crushed, Globigerina and Gumbelina common as above - some specimens of Planulina eagle-fordensis.
Mid: Brownish and greenish gray "speckled", somewhat micaceous, shale like the preceding. Fish remains present, but not abundant. Fauna same as above.
Bot: Material like the preceding. Some lenses very highly "speckled" (crushed fossil material) and with many fish bone and scale fragments.

3586-90' Core #10. Rec. 4'. Top: Like bottom of preceding core.
Mid: Highly "speckled" and highly phosphatic (fish bone fragments). Abundant darkbrownish and greenish gray, somewhat micaceous shale. Globigerina and Gumbelinas abundant.
Bot: Material and fauna like middle of core with addition of some fragments of Inoceramus and of an Oystrea-like bivalve.

3590-3600' Core #11. Rec. 10'. Top: Greenish gray highly "speckled" shale with many fragments of fish bone and scales present. Fossil material abundant, but generally, finely broken, crushed and chalky.
Middle: Harder than (top) but otherwise the same. Some thin lenses A mass of Globigerinas and Gumbelinas. Mica more common than above.
Bot: Hard calcitic siltstone with some thin lenses of the dark "speckled" shale as above. The siltstone lenses also contain an abundance of crushed and chalky fossil material and fine calcitic fossil material. Some Globigerinas and Gumbelinas.

3600-10' Core #12. Rec. 10'. Top: Thinly laminated dark gray shale finely light "speckled" and with some fish scale and bone fragments and a few fragments of fossil bivalves. Traces of micro-fossil abundant but tests usually crushed, broken and distorted. A few calcitic Globigerinas wash free.

3600-10' cont'd Core #12 Rec. 10' Mid: Lense of lighter brownish gray, hard, calcitic, very highly light "speckled" marl and lenses of darker gray, very highly light "speckled" shale. Fragment of fish bones and scales and small and fragmental fossil bivalves present. Some Inoceramus fragments.

Bot: Dark brownish and greenish gray, flaky, light "speckled" shale. No change in micro-fauna. Some fragments of Inoceramus.

3610-20' Core #13 Rec. 6' Top: Like bottom of preceding core.

Mid: Harder, highly light speckled dark brownish gray shale. A specimen of Inoceramus cf. labiatus present. Some parting moderately micaceous.

Bot: Dark brownish gray, very highly light speckled shale. Some fish bones and scales and fairly numerous fragments of Inoceramus and other fossil bivalves. Micro-fossil traces abundant, but specimens usually broken, crushed and distorted. A few calcitised Glob. and Gumbelinas.

3620-30' Core #14. Rec. 10' Top: Dark brownish and greenish gray, highly light "speckled" shale like the preceding in general character. Some fish scale fragments and a few fragments of fossil bivalves including Inoceramus.

(Note: Two sets of samples from this core.)

Mid: Harder and more calcitic, otherwise no change.

Bot. 1': Harder and softer (more marly and more shale and thinly laminated) lenses of material like the preceding in character and fauna.

3630-40' Top of Mid. & L. Atkin. Core #15. Rec. 10'. Top: Very thinly laminated, very finely light "speckled" dark gray shale. Material is somewhat micaceous and speckled appearance due to presence of abundant specimens of very minute forams. Some thin irregular silty and glauconite lenses present. Very minute specimens of Globigerina, Gumbelina and Pleurostomella?, a very few specimens of Trochammina and Ammobaculitessp. constitute the micro-fauna (See 23 & 24 on slide.)

2nd. 1' Like the top 1'.

3rd 1': Very thinly laminated, very finely micro-fossil shale like the preceding.

4th 1': Thinly laminated, very finely and highly micro-fossil shale like the preceding, some thin, irregular partings finely sandy, glauconitic and somewhat micaceous. Fossil material also irregular distributed. A few phosphatic nods.

Bot. 1': Gray, fine, even grained, argillaceous, glauconitic sand with irregular areas of sandy, finely micro-fossil dark gray shale like the preceding. A moderate amount of mica present. Some lenses of shale as above also present.

3640-50' Core #16. Rec. 8' Top: Very thinly flaky dark gray shale. Abundant minute forams as above, irregular distributed. Some mica present and a trace of glauconite, a few fish bone and scale fragments.

Mid: Like the top of the core.

Bot: Finely micro-fossil shale as above with irregular silty and glauconitic micaceous areas, and thin lenses.

3650-60' Core #17 Rec. 10' Top: Very thinly flaky, dark gray, micaceous and somewhat glauconitic, very finely micro-fossil shale. Like the preceding in character and fauna.

3650-60' Core #17. Rec. 10' Mid.: Shale like the preceding with irreg. glauconite and silty areas and thin lenses.
Bot: Thinly flaky, very finely micro-fossil shale similar to that above. Fossil somewhat less abudant.

3660-70' Core #18. Top: Dark gray shale (a poorly consolidated core) sample apparently not washed or very poorly washed.
Bot: Dark greenish gray, very thinly flaky shale. Some very minute forams in shale. A few fish bone fragments.

3670-80' Core #19. Rec. 10'. Top: Like bottom of preceding core.
Mid: Shale as above in some irreg. silty and glauconite areas. Material is slightly finely glauconitic and micro-fauna, very minute and irreg. distributed.
Bot: No change.

3680-85' Core #20. Rec. 9'. Mid: Very thinly flaky, dark greenigh gray shale with some finely silty, mica and finely glauconitic areas. Some scattered areas which contain abundant specimens of the very minute foram fauna - same as in preceding samples.
Bot: Like the preceding.

3685-90' Core #21. Rec. 5'. Top: Soft, fine, even grained, glauconitic and micaceous sand with thin irreg. sandy shale partings.
Mid: Thin lenses of the flaky, finely micro-fossil shale and glauconitic and micaceous soft siltstone to very fine grained sandstone.
Bot: Like middle of core.

3690-3700' Core #22. Rec. 6'. Top: Thinly flaky, dark gray, very finely micro-fossil shale as in the samples above. A trace of glauconite.
Mid: No change.
Bot: Like the above. Some specimens of Trochammina rainwateri also present in fauna.

3700-10' Core #23. Rec. 6'. Top: Moderately fine grained quartz sandstone with irreg. shaly areas. Fragments of phosphatic fish bone material common in sandstone. Some lenses of highly micaceous siltstone.
Mid: Soft, fine grained, high micaceous, light gray, argillaceous sandstone.
Bot: Like the middle of core.

3710-20' Core #24. Rec. 6'. Top: Sand like the above, but only slightly micaceous. A few pink tinted grains.
Mid: Thinly flaky dark gray, very finely micro-fossil shale, as above the sand.

Top L.Cret. Bot: Soft white, bentonitic moderately fine to coarse sub-angular etched quartz sand. Some pink tinted and a little feldspar. Some light greenish gray, clay shale. (See #25 & 27 on slide).

3720-27' Core #25. Rec. 7'. Top: Soft fine etched quartz sand, a little mica.
Mid: Argillaceous soft, fine to moderately fine quartz sand. Some mica.
Bot: Light gray, fine to moderately fine argillaceous and micaceous quartz sand.

3727-35' Core #26. Rec. 5'. Top: Like bottom of preceding core.
Mid: Fine to moderately coarse, etched quartz sand - some pink and some yellow tinted grains - some feldspar.
Bot: Fine to moderately fine sand like preceding in character.

3735-40' Core #27. Rec. 2'. Top: Sand as above, some mica.
Bot: Fine to coarse argillaceous sand and lenses? of light bluish green and pinkish sandy clay.

3740-50' Core #28. Rec. 8". Light green, argillaceous, fine to moderately fine, micaceous, soft sandstone.

3750-55' Core #29. Rec. 6". Light blue-green silty, to very finely sandy, micaceous clay with many cream-colored, nobby lime concretions and some irreg. tubular bodies formed of the same material. (Possibly original around plant stems). Some fine sand and a few fragments of mustard colored and red and gray clay shale. (See #27 and 28 for tubular bodies.)

3750-60' Cut mainly cavings. A little red shale.

3760-70' Cavings - fine micaceous sand and some fragments of red and mustard mottled clay shale.

3770-80' At least 50% gray shale cavings - 50% fine to coarse quartz sand. Some mica and a few fragments of a yellowish tan, hard, fine grained sandstone.

3780-90' Like the preceding.

3790-3800' About 75% cavings, 25% fine to coarse sand, a few small fragments of mottled shale.

3800-10' About 75% cavings of shale and dolomite and 25% fine to coarse quartz sand. A few small fragments of mottled (mustard and red) clay shale.

3810-90' No change.

3890-3900' Cavings and sand as above, also numerous fragments of generally sandy, red, and mustard mottled shale - some purplish red and green (for samples see #29 & 30 on slide).

3900-10' About 75% cavings, 25% fine to coarse sand and many fragments of red and yellowish green mottled, finely sandy clay shale.

3910-20' Like the preceding. A few fragments of a hard red and yellow stained sandstone.

3920-30' About 50% cavings, 50% mottled shale as above and numerous fragments of amber colored and light red mottled fine to moderately fine grained sandstone. Some stained lime nods. Some red and yellow hard clay inclusions in sandstone. (See #31-34 on slide).

3930-40' About 50% cavings - 50% yellow and red sandstone with small lime and clay inclusions as above, some red and mustard mottled sandy clay.

3940-50' No change.

3950-60' Cavings as above and 50% amber colored, red mottled sandstone with small stained lime nodular areas. Some mottled clay shale - sand in sandstone generally finer grained than above.

3960-70' Like the preceding.

3970-80' As above, with the addition of a few fragments of raspberry colored unctuous shale. (See #35 on slide). Shale slightly light yellowish green mottled.

3980-90' Materials as above with addition of some fragments of dark red, finely micaceous clay shale (See #36 on slide).

3990-4000' About 50% cavings and 50% fragments of the yellow white and reddish hard sandstone with stained lime nodular inclusions and small sandy limestone areas.

4000-10' Sample about 50% cavings, 50% fine to coarse quartz sand and some fragments of multicolored clay shale - a few fragments of the amber colored sandstone with limestone areas as above.

4010-20' Like the preceding.

4020-30' ABout 75% cavings, 25% fragments of red, yellowish green mottled clay shale - many fragments of a yellow and red tinted fine grained mica ss with nodular lime areas.

4030-40' About 50% cavings and 50% fragments of dark red slightly greenish gray mottled granular textured and somewhat micaceous clay shale and some fragments of fine grained mica ss, red tinted sandstone and red tinted lime nods.

4040-60' No change.

4060-70' Cavings 50% fine to coarse sand and many fragments of the red shale. A few fragments of the sandstone.

4070-80' Mainly cavings and red shale as above. A little sand and sandstone.
4080-90' About 50% cavings - 50% fine to moderately coarse sand - fragments of the red andmottled shale - some fragments of the red and yellow sandstone with tinted lime nods.
4090-4100' No change.
4100-10' Mainly cavings and fragments of the dark red, very finely micaceous, irreg. silty, somewhat bluish gray mottled shale. (See #37 on slide).
4110-30' Like the preceding.
4130-40' Like the preceding with a few fragments of reddish fine grained calcitic sandstone with concretionary limestone areas. One fragment shows fragments of fish tooth. (See #38 on slide).
4140-50' No change.
4150-70' No change.
4170-80' Cavings and about 75% fine sand and fragments of red and yellowish green mottled micaceous and usually finely sandy clay shale.
4180-4240' Like the preceding.
4245-55' Core #30. Rec. 9'. Top: Red, argillaceous fine to moderately fine grained, soft, somewhat micaceous sandstone. Quartz and some feldspar mainly.
Bot: Fine to coarse red and yellow tinted quartz sand. Some feldspar and a few large pebbles of quartz - chert and limestone.
4260-70' Mainly cavings and fragments of dark red clay shale.
4270-80' About 50% cavings and 50% fine to coarse sand, fragments of the red clay shale and some fragments of a pinkish moderately fine grained with concretionary limestone areas.
4280-90' Cavings and dark red clay shale.
4290-4300' Like the above, also many red stained lime nods. Shale is red and yellowish green mottled. A little sandstone.
4300-10' Like the preceding.
4310-20' Cavings and bright red, slightly greenish gray mottled clay shale.
4320-30' Many red, stained large nods (See #39 & 41 on slide).
4330-40' Like the preceding.
4340-50' As above with addition of about 25% fine to coarse sand.
4350-60' Sample mainly fine to coarse quartz sand with fairly numerous large pebbles of quartz and a few of other minerals.
4360-70' No change.
4365-75' Like the above, with addition of many fragments of red shale.
Core #31. Rec. 2'. Top: Soft argillaceous red sandstone. Sand generally fine to moderately fine with some coarse grains. Sand grains rounded, pitted and etched.
Bot: Soft red argillaceous sandstone. Sand grains fine to coarse rounded and pitted mainly quartz, with a little feldspar. Some grains tinted yellow and some reddish - a few green.
4370-80' Mainly sand as above and some fragments of the bright red shale; some red stained lime nods.
4380-4400' Like the preceding.
4400-10' Fine to coarse sand with abundant moderately coarse and many coarse grains - also small pebbles of quartz - some of limestone. A few of quartzite and a few of varous other types of rock. Material apparently a fine conglomerate.
4410-20' No change.
4420-30' Coarse sand and some pebbles as above, some fragments of red and yellowish green shale. Some red stained lime nods.
4430-70' Like the preceding.
4470-80' Sand as above, also about 25% fragments of bright red clay shale. Some red stained lime nods. Cavings abundant.
4480-90' Abundant cavings, some sand as above and many fragments of the red shale, some red stained lime nods.

4490-4640' No change.

4640-50' Sample composed largely of fragments of a hard, calcitic sandstone which seems to vary rapidly and irregularly from extremely finely sandy red limestone to a very fine grained red, greenish yellow white, mottled calcitic sandstone. Material contains some feldspar, small fragments of slightly altered chlorite, small fragments of cream colored chert? feldspar and nests of very small cube crystals (not determined). Material may be from concretionary nods. in a bright red shale of which some fragments are also present. (See #42 to 47 on slide).

4650-60' Like the above. Basic material probably a very fine grained calcitic red sandstone with hard concretionary limestone areas.

4660-70' No change.

4670-4730' No change.

4730-40' Materials as above, also many fragments of bright red shale. (See #48 on slide), and some fragments of a hard white calcitic sandstone or sandy limestone, slight pink tinted, in which sand grains are generally fine to moderately fine. Hard calcitic matrix is generally about 50% of material. (See #49 on slide.)

4740-50' As above with increase in fragments of white sandstone.

4750-60' Like the preceding.

4760-70' Rather poor sample - of the red sandstone as at 4640'. Some light red shale and a few fragments of the hard white sandstone as at 4730' etc; some cavings as usual.

4770-80' Like the preceding.

4780-90' Cuttings composed mainly of fragments of hard white, irregular pink tinted sandstone as above and abundant fragments of red, white and mustard colored hard calcitic sandstone in which grains vary from extremely fine to moderately fine in size and are irregularly distributed in limestone matrix. Cavings of shale and a few other materials from the U. Cret. section as in all samples - and some fragments of bright red shale.

4790-4800' Poor samples, similar to preceding.

4800-10' Materials as at 4780-90'. The sandy limestone and calcitic sandstone may be nodular in a clay matrix or represent irregular lime and sand concentrations in sandstone in which sand grains are poorly sorted. Little of white sandstone.

4810-20' Materials as above and some fragments of red shale. Some cavings as usual.

4820-30' Like the preceding.

4830-80' No change.

4880-90' Materials as above, also many many fragments of a mustard colored, extremely finely sandy clay shale with harder limonitic concretions and areas. (See #50 to 52 on slide).

4890-4900' Like the preceding.

4900-10' Similar to above, but less shale and more fragments of red sandstone and sandy limestone as at (4780-90', etc.).

4910-20' Like the preceding, cavings very abundant.

4920-30' No change.

4930-40' Mainly cavings with about 25% moderately fine red stained quartz sand - some red and a little mustard colored shale, some red sandstone and sandy limestone as above.

4940-50' Cavings - sand as in preceding, many fragments of red shale. A few nodular fragments of red sandstone, sandy limestone.

4950-60' Like the above with abundant fragments of red (slightly mustard mottled) finely micaceous shale. (See #53 on slide).

4960-70' Red shale fragments dominant in samples as above.

Gulf Oil Corporation #1 Brooks-Scanlon, Inc. Bk 42
Taylor County, Florida

4970-80' Red shale - some red stained lime nods, some very fine grained red sandstone and a few fragments of mustard colored sandy shale and sandstone.

4980-90' Like the preceding.

4990-5000' Mainly red shale - with some red lime nods. and a little red stained fine grained sandstone.

5000-10' Materials as above, also many fragments of a fine grained light red or pinkish fine grained sandstone with some highly calcitic hard, areas or concretions. (See #54 on slide).

5010-20' Like the preceding.

5020-40' No change.

5040-50' Sample composed mainly of fragments of a hard, pink, fine to moderately fine grained sandstone with many irreg. small mustard colored very finely sandy hard clay inclusions and hard highly calcitic areas. (See #55 and 57 on slide).

5050-60' Like the preceding.

5060-70' Oil stained sample - poor - (oil not indigenous).

5070-80' Red, pink and mustard colored hard calcitic sandstone and sandy limestone. Sand poorly sorted and irreg. distributed in matrix.

5080-90' Like the preceding.

5090-5100' Like the above - also numerous fragments of a white slightly pink and yellow tinted, irreg. sandy hard limestone. Limestone may be from large concretions or nods.

5100-10' Like the preceding,

5110-20' Material as above, but little white limestone.

5120-30' Hard white pink and yellow mottled sandy limestone. Sand is rather poorly sorted and irreg. distributed in limestone. Average grain size very fine to moderately fine.

5130-40' Like the preceding.

5140-50' Like the above, but more highly sandy.

5150-60' Material as above with many fragments of red and mustard colored mottled unctuous shale.

5160-70' Like the preceding.

5170-80' Fine red stained sand - many fragments of the red gray and mustard mottled clay shale - many white and pink stained sandy limestone fragments - some fragments of various types of calcitic sandstone (pos. caving.)

5180-90' Sample mainly red, mustard mottled shale and fragments of pink, white and yellow hard sandy limestone and highly calcitic sandstone.

5190-200' Like the preceding.

5200-10' No change.

5210-20' Pre-Cret? Triassic? or Jurassic? Sample composed mainly of fragments of a very fine, even grained, bright red sandstone. Fragments of the red clay shale still common in sample and fragments of some other materials (pos. caving). (See #58 & 59 on slide.) Sand above this point, poorly sorted and generally etched. Uncut crystal faces common in this sand.

5220-30' Like the preceding.

5230-40' Sample mainly red, mustard mottled clay shale and cavings from various higher depths.

5240-50' Poor sample, mainly cavings.

5250-60' Sandstone as above - also many fragments of the pink and white sandy limestone noted at (4730-40' etc.).

5260-70' Sample mainly red clay shale and red sandstone as above with some fragments of vary colored clacitic sandstone and stained lime nods. (prob. caving).

5270-80' Mainly red shale with a mixture of other material noted from several hundred feet above.
5280-90' Mainly red shale somewhat yellow green mottled (See #60 on slide).
5290-5300' Red shale, red lime nods, fine loose sand and abundant cavings.
5300-10' Like the preceding.
5310-30' No change.
5330-40' Red sandstone as at 5210-20', many fragments of red shale and cavings of various material from various higher depths.
5340-50' Fine red sand, some sandstone and red shale and cavings as in preceding.
5350-60' Cavings and many fragments of pink stained sandy lime nods.
5360-55' Core #32. Rec. 5'. Top: Dull grayish purple red, argillaceous, fine even grained, quartz sandstone. A few streaks dead oil.
Bot: Bright red and white streaked, fine even grained argillaceous and calcitic sandstone with hard nodular sandy lime areas streaked red, yellow and white.
5355-60' Core #33. Rec. 4'6". Top: Purplish red, unctuous, extremely finely sandy shale with some irreg. light green sandy calcitic areas.
Bot: Very fine, even grained, slightly stained loose sand.
5360-70' Core #34. Rec. 3'6". Top: Dark purplish gray, argillaceous sand with some black streaks. Sand, very fine, even grained quartz and streaks of dead oil??.
Bot: Light grayish purple, yellow mottled argillaceous, fine even grained quartz sand; matrix is unctuous.
5370-80' Core #35. Rec. 3'6". Top: Soft, argillaceous, purplish gray, very fine, even grained quartz sand.
Bot: Apparently a hard, calcitic nod of light purplish red and white fine, even grained sandstone.
5380-86' Core #36. Rec. 5'. Top: Gray, reddish mottled, argillaceous, very fine, even grnd. sandstone. Matrix unctuous. (See special slide).
Bot: Dark red and white mottled, argillaceous, very fine even grained soft sandstone.
5380-90' Cut - mainly various types of red and purplish stained sandy lime nods.
5390-5400' Mainly finely and irregular sandy, white and pink nod. lime as in preceding. Some red shale.
5400-10' Sample a mixture of red shale - fragments of fine even grained red sandstone - fragments of white and pink, slightly sandy nodular limestone and scattered other material from various higher levels.
5410-20' Like the preceding - prob. mainly cavings.
5420-30' As above also many fragments of weathered and altered basalt (See special slide.)
5430-40' Like the preceding.
5440-46' Core #37. Rec. 3". (Poor sample - like the preceding.)
Core #38? No recovery
5448-53' Core #39. Rec. 2'. Basalt
5453-60' Core #40. Rec. 6' "
5489-94' Core #41. Rec. 4' "
5494-5504' Core #42. Rec. 9' "

MA TA-01-5

2400-10 | wh, soft, porous ch w/ scatt small foss frags
2410-20 | do
2420-30 | do
2430-40 | lt tan, micro, hard, porous, chy dol, this is dolitic ch
2440-50 | As (2400-10)
2450-60 | dol As (2430-40)
2460-70 | ch As (2400-10)
2470-80 | do
2480-90 | do
2490-00 | do
2500-10 | do slight oil stain
2510-20 | do
2520-30 | do no oil stain
2530-40 | do
2540-50 | do
2550-60 | do Abund small frags & some larger forams
2560-70 | do w/ abund [illegible] pressure
2570-80 | do
2580-90 | do
2590-00 | do but just [illegible] pressure
2600-10 | do w/ abund [illegible] pressure
2610-20 | do Anhyd w/ [illegible] [illegible] embedded in ch
2620-30 | wh, soft, porous ch w/ scatt small foss frags & a few forams
2630-40 | off wh, ind, porous, highly dolic ch,

2640-50 | do Abund dead oil stain

2650-60 | do only Tr. dead oil

2660-70 | dolic ch w/ Abund dead oil stain Tr. I. prisms

2670-80 | dolic ch w/ Tr. oil stain, I. prisms, pyr

2680-90 | do

2690-00 | do no oil

2700-10 | dolic ch w/ Tr. I. prisms, pyr & lt gry fossils, calc, calc Ashy sh ["Taylor Ash"]

2710-20 | do

2720-30 | do

2730-40 | do

2740-50 | do

2750-60 | do

2760-70 | dolic ch w/ 5% I. prisms Tr. "Taylor Ash" & pyr

2770-80 | wh-off wh, soft, porous, dolic ch w/ 15% I. prisms Tr. pyr, "Taylor Ash" & lg, euh, lt gry Anh cubes

2780-90 | do

2790-00 | dolic ch w/ 5% I. prisms Tr. pyr, "Taylor Ash" & Anh cubes

2800-10 | dolic ch w/ Tr. I. prisms & pyr

2810-20 | do

2820-30 | N.S.

2830-40 | do plus Tr. lt gry, lg, euh Anh cubes

2840-50 | do

2850-60 | dolic ch w/ Tr. I. prisms

2860-70 | do plus Tr. "Taylor Ash"

2870-80 | do plus Tr. pyr

2880-90 | do

2890-00 | dolo ch w/ Tr. I. prisms, "Taylor esh" & lg euh lt gry anh cubes
2900-10 | off wh, ind, porous, fairly pure ch w/ Tr. I. prisms, pyr & lt tan, m-c xtaly, porous, hard dol
2910-20 | off wh, ind, porous, arg ch w/ Tr. pyr, I. prisms & dol as above
2920-30 | do
2930-40 | off wh, ind, porous, fairly pure ch
2940-50 | do Tr. I. prisms
2950-60 | do
2960-70 | do plus Tr. Mny fossiliferous calc sh
2970-80 | ch as (2930-40) slightly arg
2980-90 | v lt gry, porous, ind, arg ch
2990-00 | do
3000-10 | do Tr. I. prisms
3010-20 | off wh, porous, ind, fairly pure ch
3020-30 | NS
3030-40 | do
3040-50 | do
3050-60 | do
3060-70 | do
3070-80 | do slightly arg Tr. I. prisms
3080-90 | v lt gry, porous, ind, arg ch w/ foss frags Tr. I prisms
3090-00 | do
3100-10 | do
3110-20 | do
3120-30 | do ch contains numerous v small, euh anh cubes
3130-40 | do few foss frags

3140-50| V lt gry, porous, rnd, Arg ch w/ numerous v small, euh, Anh cubes & a few foss frags

3150-60| do Tr. pyr, Tr. prisms

3160-70| do

3170-80| do

3180-90| do

3190-00| do

3200-10| do no pyr

3210-20| do

3220-30| lt gry, rnd, porous, Arg ch w/ some foss frags Tr. [illegible] prisms & M gry, soft, [illegible], Ash, calc sh

3230-40| do

3240-50| do

3250-60| do

3260-70| do

3270-80| Arg ch, Tr. prisms & lt gry ch & some brn gy, blocky, [illegible], rnd, calc sh w/ lt [illegible]

wh, chy, [illegible] & partings

3280-90| Arg ch w/ Tr. [illegible] prisms & brn gy sh

3290-00| V lt gry, rnd, porous Arg ch w/ some small foss frags plus abund. dk gry - dk brn gy, blocky, hard

calc sh w/ wh, chy, v thin small [illegible]

3300-10| do

3310-20| do

3320-30| do

3330-40| do

3340-50| do

3350-60| do

3360-70| Arg ch w/ Tr. sh

3370-80 | do

3380-90 | [illegible] abund [illegible]

3390-3400 | [illegible] calc, thin lenses

3400-10 | do

3410-20 | V14 - [illegible], [illegible] sh

3420-30 | do [illegible] sh [illegible]

3430-40 | do

3440-50 | do

3450-60 | do [illegible]

3460-70 | do

3470-80 | [illegible] & spots

3480-90 | do

3490-3500 | do [illegible] abund [illegible]

3500-10 | do

3510-20 | do

3520-30 | do

3530-40 | do [illegible]

3540-50 | do [illegible]

3550-60 | pale [illegible] calc sh

3560-70 | do

3570-80 | do but pale-deep gn [illegible] has a few v thin v firm sdy, sh, calc lenses

3580-90 | do

3590-3600 | do

3600-10 | dk bluish gn - dk gy - dk [illegible] calc sh Tr small forams

3610-20 | dk gry-dk brngy, soft, fissile, calc [illegible] Tx. Farmer

3620-30 | do

3630-40 | do

3640-50 | do [illegible] congl[illegible], calc, [illegible] ss

3650-60 | do

3660-70 | do

3670-80 | do [illegible]

3680-90 | do

3690-00 | do

3700-10 | do

3710-20 | wh, [illegible]

3720-30 | wh, [illegible]

3730-40 | do

3740-50 | wh, yel pink, C gry, ss, ws [illegible]

3750-60 | dk gry, fissile, soft, calc sh

3760-70 | do

3770-80 | wh [illegible] gry, friable, slightly arkosic ss

3780-90 | do

3790-00 | do

3800-10 | M-dk gry, fissile, soft, calc sh

3810-20 | ss as (3770-80)

3820-30 | do

3830-40 | do

3840-50 | sh as (3800-10)

3850-60 | wh, f gry, hard, fairly tight, ws [illegible] ss

3860-70 | do
3870-80 | M-[illegible] [illegible] sh
3880-90 | do
3890-00 | SS as([illegible]) [illegible]
3900-10 | Sh [illegible] brick red, blocky, calc sh
3910-20 | do
3920-30 | do
3930-40 | Red-yel, f-gr, hard, fairly tight, [illegible] SS
3940-50 | Sh as above
3950-60 | do
3960-70 | Sd as above
3970-80 | do some [illegible] mica flakes present
3980-90 | Wh-yel-red, f-gr, hard, calc, [illegible], fairly tight [illegible] SS
3990-00 | do
4000-10 | do
4010-20 | M-dk gry, fissile, soft, calc sh
4020-30 | do
4030-40 | SS as([illegible])
4040-50 | do
4050-60 | A[illegible](4010-20) [illegible] [illegible]
4060-70 | [illegible]
4070-80 | do
4080-90 | Wh-yel, f-gr, [illegible] sd
4090-00 | [illegible] sh as above
4100-10 | do

4110-20 | Lt gry, f grs, hard, calc, glauc, mic, [illegible] qtz ss

4120-30 | do

4130-40 | Red-yel, f grs, arg, glauc, mic, hard qtz ss

4140-50 | M gry, soft, fissile, calc sh

4150-60 | wh-pink, f grs, hard, glauc, mic, arg qtz ss

4160-70 | do

4170-80 | do

4180-90 | do

4190-00 | M gry, fissile, soft, calc sh

4200-10 | Ss [illegible] wh-pink-gry

4210-20 | do

4220-30 | sh

4230-40 | do

4240-50 | do

4250-60 | Red, yel, wh, C grs, SR, [illegible] ws, qtz sd

4260-70 | sh

4270-80 | wh [illegible] hard, porous, qtz ss

4280-90 | sh

4290-00 | do

4300-10 | do

4310-20 | [illegible] red, black, soft, [illegible] sh

4320-30 | wh-yel-red, C grs, SR, ws qtz sd

4330-40 | do

4340-50 | [illegible]

4350-60 | do

4360-70	do
4370-80	do
4380-90	do
4390-00	do b.r. sh
4400-10	do
4410-20	N.S.
4420-30	do
4430-40	do
4440-50	do
4450-60	do
4460-70	do
4470-80	M gry, fissile, soft, calc sh
4480-90	do
4490-00	wh-yel-red, Cgrn, SA, ws, qtzte-qtz ss
4500-10	do
4510-20	Sh
4520-30	do
4530-40	qtzte-qtz ss
4540-50	do
4550-60	do
4560-70	do
4570-80	do
4580-90	brick red, blocky, soft, slty, sh
4590-00	do
4600-10	qtzte-qtz ss

4610-20 | do

4620-30 | do

4630-40 | do

4640-50 | M-dk gry, fissile, soft, calc sh

4650-60 | do

4660-70 | Red-wh, c-f gr, hard - clr ss

4670-80 | do

4680-90 | M gry, fissile, soft, calc sh

4690-00 | do

4700-10 | do

4710-20 | Pink, f gr, hard - clr ss

4720-30 | do

4730-40 | sh

4740-50 | do

4750-60 | do

4760-70 | do

4770-80 | Wh-pink-yel, [illegible], hard, tite, dense dol matrix w/ abund f gr, clear, [illegible] sd

4780-90 | do ← [illegible] on sdy dol

4790-00 | do

4800-10 | do

4810-20 | - clr ss

4820-30 | sdy dol

4830-40 | do

4840-50 | - clr ss

4850-60 | do

4860-70 | Sh As Above
4870-80 | [illegible]
4880-90 | do [illegible] yel, blocky, [illegible] cly
4890-00 | sh as above
4900-10 | do
4910-20 | [illegible]
4920-30 | sh
4930-40 | do
4940-50 | do
4950-60 | [illegible] hard [illegible]
4960-70 | sh
4970-80 | brick red, blocky, [illegible] sh
4980-90 | wh-pink, [illegible], hard [illegible]
4990-00 | red sh
5000-10 | [illegible]
5010-20 | NS
5020-30 | do
5030-40 | do
5040-50 | do
5050-60 | do
5060-70 | do
5070-80 | do
5080-90 | M gry, so[illegible] [illegible] sh
5090-00 | wh-pink [illegible] dol matrix w/ abund fine grn, clean, [illegible] sd
5100-10 | sh

CORE DESCRIPTION

FLA-IA-OT 5

Core # 12 / 3600'-3610'

1st | gry, hard, fissile sh w/ some lg. s.f. & abund wh, calc spots

2nd | do no s.f.

3rd | do

4th | do w/ vlg. s.f.

5th | brn gry, hard, fissile, calc, wh speckled sh w/ some s.f.

6th | do no s.f.

7th | gry, fissile, hard, calc sh w/ parallel, wh, calc lenses & Tr. I. prisms

8th | do no I. prisms

9th | do Tr. S.f. & fish scales

10th | do Tr. s.f., fish scales, I. prisms

Core # 13 / 3610'-3620'

1st | As (10th) above

2nd | Sh As (10th) above w/ Tr. s.f.

3rd | lt gry, blocky, hard, calc sh w/ abund, small, cmy, calc spots

4th | do w/ lg. s.f. w/ wh, calc, parallel streaks, fissile

5th | do

6th | do

Core # 14 / 3620'-3630'

1st | do

2nd | lt gry, blocky, hard, calc sh

3rd | do Tr. s.f., platy fracture

4th | do no s.f.

5th | lt gry, blocky, hard, calc sh

7th | dk gry, very soft, fissile, calc sh w/ v thin wh calc, v finely calc laminations

8th | do

Core # 17/3450'-3460'

1st | dk gry, hard, fissile, calc sh w/ v small wh calc lenses, fairly parallel laminations within the sh scarce lg flakes of pyrite & microfoss

2nd | do

3rd | do

4th | Mgry, hard, fissile, calc sh w/ wh v thin calc laminations & lg flakes pyrite & microfoss

5th | do

6th | do

7th | do

8th | do w/ wh calc laminations now being v finely calc & slightly glauc

9th | do

10th | Mgry, hard, fissile calc sh w/ thin wh calc laminations & minute microfoss ✓

Core # 18/3460'-3470'

1st | Ugry, soft, calc, fissile, waxy sh w/ Abund minute microfoss & small calc lenses, 1 lense of highly pyritic material

2nd | Mgry, soft, calc, fissile waxy sh w/ minute microfoss

3rd | do plus blk-red-yel mottled area

4th | Mgry, hard, fissile, calc, waxy sh w/ abund minute microfoss & some wh, hard, chy patches

5th | do no chy area

6th | do

7th | do

8th | do

Core #19 / 3670' - 3685'

1st | Mgy hard, calc, fissile sh w/ a ltgry calc glauc mic qtz ss layer
Also has abund minute microfoss

2nd | do has several thin ss layers

3rd | do w/ one ss layer has lyrs pyritic

4th | do but very little pyr

5th | do no pyr

6th | do Tr. pyr

7th | do

8th | Mgy, hard, fissile, calc, waxy sh w/ several thin layers of ltgry/vfgry hard, glauc mic pyritic ss

9th | do

10th | do abund micr. pyrite within the carbonate

Core #20 / 3680' - 3685'

1st | do Tr. microfoss

2nd | Mgry, hard, fissile, waxy, calc sh w/ abund microfoss

3rd | do plus several pockets of ltgry vfgry hard, calc, glauc pyritic, mic ss

4th | do

5th | Mgy/Mgry, hard, fissile, calc sh w/ abund mica flakes

6th | do w/ lenses of ltgry vfgry, hard, calc, glauc, pyritic, micaceous ss

7th | do

8th | sh as (5th)

9th | Same as (6th)

Core # 21 / 3685'-3700'

1st | Same as (4th) in core # 20 plus abund microfoss

2nd | Mgry fissile, salty, calc sh w/ layers of ltgry-fgry, mic, glauc, calc ss, soft w/microfoss

3rd | do

4th | do

5th | do

Core # 22 / 3640'-3700'

1st | Mgry, hard, blocky-fissile, calc sh Tr microfoss

2nd | sh w/ thin layers of ltgry, vfgry, hard, calc, glauc, mic ss Tr, microfoss

3rd | Mgry, blocky-fissile, hard, calc sh w/ abund microfoss + patchy-lenses of ltgry calc material

4th | Mgry, blocky-fissile, hard, calc sh Tr microfoss

5th | Mgry, fissile, hard, calc sh + ltgry-fgry, ws, Arg, calc, glauc, mic, friable ss w/ 2 thin layers of calc sh

6th | Alternating layers of ss + Mgry sh as in (5th) plus dkgry, blocky, hard, waxy, calc sh

Core # 23 / 3700'-3710'

1st | interlayering of Mgry, fissile, hard, calc sh + ltgry, fgry, friable, arg, mic, calc ss plus ltgry, blocky, vfinely sdy, mic, glauc sh

2nd | dkgry, blocky-fissile, hard, waxy, calc sh w/ off wh, friable, vfgry, chy ss

3rd | off wh-ltgn gry, fgry, calc, highly arg, friable, mic ss, well sorted

4th | do w/ dkgry, hard, waxy, blocky, calc sh

ss is all ltgn gry

5th | ss only

6th | do

Core # RH/3710'-3720'

1st | vlt gry, friable, calc, Mgny, ws, Arg ss

2nd | do Tr pyrite nodules

3rd | do

4th | do no pyr

5th | ltgngry, Mgny, Arg, mic, calc, friable ss w/ layers of Mgny, hard, blocky sh

6th | ltgngry, gry, Arg, friable, calc ss w/ layers & lenses of Mgny, hard, blocky, calc sh

Core #: 25/3720'-3727'

1st | ltgngry, fgry, Arg, friable, calc ss w/ lenses of ltgn, soft, blocky sh

2nd | ss w/ no sh lenses

3rd | ss w/ lenses of ltbnngry, soft, blocky, calc sh

4th | do but ss is Mgnn

5th | ltbnngry & Mgny, calc, arg, friable, highly & commonly micaceous ss w/ lenses of buff, soft, blocky, calc sh Mica is muscovite & biotite

6th | do

7th | vltgry & Mgny calc, Arg, friable, slightly mic ss