September 23, 1955

- 1.2.34.5/23

Carpenter Oil Company
Coffee County, Georgia Wildcat No. 1. Thurmand

Orig: Fisk
cc Carpenter Oil Co.

Worked by: ETC/ahc

NOTE: Description of sidewall cores are at the end of the report. Samples are poor from 760-2500 and good from 2500-4130 TD

S U M M A R Y

600 cts ----------Top Suwannee

1570 cts----------Top Upper Cretaceous

2408 SWC----------In Eutaw

3200 cts----------Top Lower Tuscaloosa

3330 cts----------Top Lower Cretaceous

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0-10 cts	Fine to coarse, iron-stained, limonitic sand; limonite gravel.
10-60 cts	Fine to coarse, red, clayey, limonitic sand; limonite gravel.
60-100 cts	Fine to coarse, gray, clayey sand.
100-130 cts	Same; limonite.
130-150 cts	White, firm sandy clay.
150-170 cts	Pale green, hard, sandy claystone.
170-180 cts	Same; cream-colored
180-210 cts	Pale green, firm, finely sandy clay.
210-250 cts	Same; common dark green chert.
250-270 cts	Cream, firm, finely sandy claystone
270-280 cts	White, firm, coarsely sandy claystone.
280-310 cts	Same, light gray, small phosphate pebbles; trace of pyrite.
310-320 cts	Same; green finely sandy, waxy clay.
320-360 cts	Green, waxy, micaceous, chloritic, finely sandy clay. Coarse, gray sand
360-370 cts	White, firm, sandy claystone; common phosphate pebbles. White chert.
370-390 cts	Same, green, firm, sandy, waxy clay;
390-450 cts	Coarse, gray, phosphatic, shelly sand; abundant phosphate pebbles; recrystallized shell fragments.
450-460 cts	Light gray, hard, fossiliferous, slightly finely sandy limestone.
460-470 cts	Cream, firm, porous, slightly sandy, coquinoid limestone; Sorites sp.
470-480 cts	Cream, hard, fossiliferous, phosphatic, sandy limestone; Sorites sp.
480-530 cts	Cream and light gray, hard, moldic, sandy, phosphatic, recrystallized, coquinoid limestone.
530-540 cts	Light gray to white, hard fossiliferous, very sandy (fine) limestone.
540-560 cts	White, hard, finely sandy, microcrystalline dolomite.

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560-570 cts — Cream to white, hard, very slightly sandy, recrystallized, coquinoid limestone.

570-590 cts — Light gray, hard, fossiliferous, finely sandy limestone.

590-600 cts — Same; tan, firm, vuggy, moldic, slightly finely sandy, microcrystalline dolomite.

600-610 cts — Tan, rather soft, vuggy, moldic, sugary, microcrystalline dolomite.

610-630 cts — Cream, rather soft, porous, partly dolomitic, chalky, microcoquinoid limestone.
Rotalia mexicana (common) Asterigerina subacuta (?) (rare)

630-640 cts — Cream, rather soft, porous, crumbly, microcoquinoid limestone.
Discorinopsis gumteri

640-650 cts — Cream, hard, vuggy, moldic, coquinoid limestone.
Lepidocyclina sp (fragments)

650-660 cts — Same.
Operculinoides sp. (common) cf. O. muiri.

660-680 cts — Cream, soft, porous, crumby, finely sandy microcoquina.

680-710 cts — Tan, hard, carbonaceous, finely sandy, microcrystalline dolomite.

710-730 cts — Cream, soft, chalky, operculinid limestone. Operculinoides cf. O vicksburgensis Rotalia mexicana

730-740 cts — Cream, rather soft, chalky, fossiliferous, finely dolomitic limestone.

740-750 cts — Cream, firm, fossiliferous, carbonaceous, slightly argillaceous limestone.

750-760 cts — Tan, firm, limey, microcrystalline dolomite.

760-920 cts — Poor samples; sand with porous crumbly microcoquina and common Rotalia mexicana.

850-860 cts — Fragments of tan, soft, porous, sugary, slightly glauconitic and sandy, microcrystalline dolomite.

900-910 cts — Gypsina globula

920-970 cts — Cresm, soft porous, recrystallized microcoquina; some caving material.
Coskinolina floridana (rare)
Rotalia mexicana (common)

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970-1000 cts	Cream, firm, porous, calcitic, coquinoid limestone. Coskinolina floridana Rotalia mexicana Lepidocyclina cf. L yurnagumensis
1000-1040 cts	Same; trace of glauconite.
1040-1080 cts	Poor samples.
1080-1100 cts	Cream, soft, porous, slightly glauconitic, calcitic, coquinoid limestone. Asterocyclina cf. A. monticellensis Lepidocyclina cf. P cedarkeysensis
1100-1110 cts	Poor samples
1110-1200	Samples mostly Suwannee limestone; traces of white, soft, porous, slightly glauconitic, detrital, coquinoid limestone Asterocyclina sp. (fragments)
1200-1250 cts	Cream to white, soft, porous, finely dolomitic, detrital, coquinoid limestone.
1250-1290 cts	Fine to medium, gray, glauconitic sand; much lime from above.
1290-1310 cts	Fine, gray, glauconitic sand; a few phosphatic fish remains.
1310-1320 cts	Same, much cainv limestone and dolomite.
1320-1380 cts	Fine to coarse, gray, glauconitic sand; common phosphatic fish remains; much caving lime.
1380-1390 cts	Fine, gray, glauconitic, sand; coarse, olive green glau-
1390-1410 cts	conite; white soft, porous, dolomitic, coquinoid limestone. Light gray, hard micaceous, carbonaceous, silty, silicious claystone; lime, sand and coarseglauconite as above.
1410-1470 cts	Same; claystone is pale green to light gray.
1470-1530 cts	Same; green-grey, firm, micaceous, carbonaceous, glauconitic, calcareous siltstone.
1530-1570 cts	Same; trace of green, soft, platy, micaceious, glauconitic, calcareous shale.
1570-1590 cts	Detrital lime as above; coarse, gray, glauconitic sand; common oyster shells.

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1590-1660	No samples
1660-1670 cts	Fine, gray, shelly sand; common ostracods; trace of gray soft, flaky, micaceous, weakly calcarious shale.
1670-1740	No samples.
1740-1750 cts	Poor samples.
1750-1840	No samples.
1840-1850 cts	Coarse, gray, shelly sand; abundant oysters; green and gray flaky shale; destrital lime as above.
1850-2030	No samples.
2030-2040 cts	Poor samples.
2040-2060	No samples.
2060-2070 cts	Poor sample.
2070-2482	No samples.
2482 cts	Fine to coarse, gray, glauconitic sand; detrital lime from above.
2482-2500	No samples.
2500-2510 cts	Gray to green, soft, micaceous, chloritic, calcareous shale; light gray, very find, micaceous, chloritic, glauconitic, soft very calcareous sandstone; common very small forams; common Inoceramus prisms; common oysters.
2510-2570	No samples
2570-2600 cts	Sandstone and shale as above; fine to coarse, gray, friable, glauconitic sandstone.
2600-2660 cts	Light gray, fine, firm, micaceous, fossiliferous, slightly glauconitic, calcareous sandstone; gray, soft, micaceous, calcareous shale; common oysters; some coarse green sand.
2650-2660 cts	Abundant shell fragments.
2660-2670 cts	Dark gray, soft, stickly, micaceous, carbonaceous, calcareous shale; fine sand and shells as above.
2670-2700 cts	Light gray, fine firm, fossilferous, micaceous, chloritic, glauconitic, calcareous sandstone; some shale; common shell fragments.
2700-2720	White, fine to coarse, friable, glauconitic, fossiliferous calcareous sandstone; shell fragments.

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2720-2730 cts	light gray, hard, glauconitic, lignitic, fine, fossiliferous, calcareous sandstone; oysters; phosphatic fish remains.
2730-2740 cts	Same; Some coarse gray sand.
2740-2750 cts	Same; gray, soft, stickly, micaceous, calcareous shale.
2750-2760 cts	Gray-white, hard fossiliferous, sandy limestone; oysters.
2760-2810 cts	Cream, hard, fine fossiliferous, micaceous, very calcareous sandstone.
2810-2820 cts	Light grey, hard, fine, micaceous, fossiliferous, pyritic, calcareous sandstone; gray, soft, stickly, micaceous, calcareous shale.
2820-2840 cts	Same; common lignite and pyrite.
2840-2850 cts	Light gray, firm fine to coarse, micaceous, fossiliferous, calcareous sandstone.
2850-2870 cts	No samples.
2870-2880 cts	Sandstone as above; gray, soft, micaceous, calcareous shale.
2880-2900	No samples
2900-2950 cts	Dark gray, soft, stickly to splintery, micaceous, pyritic, lignitic, calcareous shale.
2050-2960 cts	Same; common <u>Inoceranus</u> prisms.
2960-3000	No samples.
3000-3010 cts	Dark gray shale as above.
3010-3040 cts	Green-gray, firm, micaceous, carbonaceous, speckled, silted, calcareous shale.
3020-3030 cts	Ostracods and small forems common.
3040-3070 cts	Dark gray, smooth, micaceous, carbonaceous, weakly calcareous shale; small forams; sotracods, and <u>Inoceramus</u> prisms.
3070-3080 cts	Green-gray, firm, microfossiliferous, micaceous, carbonaceous, silty shale.
3080-3100 cts	Dark gray, firm micaceous, fossiliferous, carbonaceous, silty, calcareous shale.
3100-3130 cts	Same; fine gray, glauconitic sand.
3130-3170 cts	Shale as abo e; fine to medium, gray, glauconitic, phosphatic sand; oysters.

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3170-3180 cts	Dark gray, firm, splintery, micaceous, carbonaceous, weakly calcareous shale.
3180-3190 cts	Same; white, fine, friable, glauconitic, calcareous sandstone; oysters.
3190-3200 cts	Green-gray, firm, micaceous, speckled, silty, calcareous shale; sandstone as above.
3200-3220 cts	Dark gray, firm platy, finely micaceous, carbonaceous, weakly calcareous shale; light gray, firm, micaceous, glauconitic, calcareous siltstone; phosphatic fish remains.
3220-3240 cts	Shale and silt as above; lignite.
3240-3250 cts	Same; common shell fragments.
3250-3270	No samples.
3270-3280 cts	Gray, firm, micaceous, silty, calcareous shale; lignite; phosphate.
3280-3290 cts	Black, firm micaceous, lignitic, pyritic, calcereous shale.
3290-3300 cts	Coarse, gray, shelly sand; shale as above.
3300-3330	No samples.
3330-3340 cts	Coarse gray sand with some pink and yellow grains.
3340-3400 cts	Coarse to very coarse sand as above; some fine sand with siderite spherules; lignite.
3420-3450 cts	Coarse to very coarse, gray, pink and yellow sand.
3450-3550 cts	Coarse to very coarse, varicolored, arkosic sand, some fine sand and siderite spherules.
3550-3730	No samples.
3730-3750 cts	Coarse, varicolored, arkosic sand; traces of soft, brick red, micaceous clay.
3750-3760 cts	Coarse to very coarse, varocp; pred (much red), arkosic sand.
3760-3790	No samples.
3790-3800 cts	Sand as above; soft, brick red, micaceous clay.
3800-3810 cts	Coarse to very coarse, varicolored, arkosic sand; traces of soft, brick red, micaceous clay.

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3810-3820 cts	Same; some ochre and purple clay.
3820-3870 cts	Brick red, purple, ochre, and gray-green soft, micaceous shale; green, soft, "greasy," finely micaceous, noncalcareous shale; coarse varicolored sand as above.
3870-3888	No samples
Core No. 1	3888-3897 Rec. 3'
Top 1½'	SHALE: Gray-green, firm, micaceous (biotite and muscovite), chloritic, silty, carbonaceous, noncalcareous.
Bot. 1½'	SANDSTONE: Gray, fine, friable, micaceous, biotitic, chloritic, argillaceous.
3910-3920 cts	Poor samples.
3920-3970 cts	Bright red, soft, micaceous clay, mostly on red sand grains; Coarse varicolored sand.
3970-3990 cts	Coarse, varicolored, arkosic sand; red clay as above.
3990-4000 cts	Coarse, yellow and gray, arkosic sand; soft, ochre, micaceous clay.
4000-4040	No samples.
4040-4080 cts	Coarse to very coarse, varicolored arkosic sand; gravel; brick red, purple, and gray, soft, micaceous clay.
4080-4110 cts	Red, gray, and yellow coarse, arkosic sand, gravel; traces of red and ochre, micaceous clay.
4110-4130 cts	Red and pink, indurated, arkosic, fine-grained sandstone; biotite and chlorite.
2277	SAND: Green, fine, porous, glauconitic, argillaceous, microfossiliferous, calcareous. Globotruncana sp. Globorotalia sp.
2408	SAND: Gray, fine to medium, porous, subangular, slightly phosphatic; rare worn shell fragments.
2410	SAND: gray, fine, porous, micaceous, calcareous.
2439	CLAY: Green-gray, soft, sticky, micaceous, noncalcareous.
2442	SAND: Gray, fine to medium, subangular; rare worn shell fragments, probably oysters.
2444	SAND: Same.