

WELL NO: GGS 340
 WELL NAME: Stewart #1
 COUNTY: Wheeler

ALTITUDE: 235 ft.
 TOTAL DEPTH: 340 ft.
 DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		No samples -----	100	100
In Miocene Altamaha 100	In Miocene Hawthorne 100	Sand: fine- to coarse-grained, with white feldspar(?) and Clay; pale green to mottled, sandy -----	40	140
Miocene Hawthorne Undif. 140		Sand: fine- to medium-grained, and Clay; pale green, sandy, and Limestone; white, sandy ----- Clay: light gray to purple, mottled, sandy, and Limestone; as above, with rare macroshell fragments ----- Sand: fine- to medium-grained, with rare macroshell fragments and phosphate grains ----- Limestone: dense, dolomitic, very sandy, with abundant macroshell fragments (coquina) ----- Sand: fine- to medium-grained, calcareous, with abundant macroshell fragments -----	20 30 70 10 25	160 190 260 270 295
Oligocene Undif. 295	Oligocene Suwannee 295	Limestone: nodular, recrystallized, dense, fossiliferous, becoming softer and more porous at depth <u>Pararotalia bryamensis</u> at 295-310' <u>Asterigerina subacuta</u> 300-310' -----	45	340
T.D. 340	T.S. 340			

space

add space

WELL NO: GGS 3080
 WELL NAME: Southern Natural Gas Co.
 Towns #1
 COUNTY: Wheeler

ALTITUDE: 172 ft.
 TOTAL DEPTH: 4063 ft.
 DESCRIBED BY: GGS

24Q001
 320241082381901

SUMMARY:

THIS REPORT		DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		No samples -----	60	60
In Miocene Undif. 60		Sand: yellowish-gray to very pale orange, medium- to coarse-grained, poorly sorted, slightly clayey, sparsely calcareous, with heavy minerals and phosphate, with macrofossil fragments, Clay; sandy, silty, nodular, 5Y8/1 to 10YR8/2 ----- Sand: yellowish-gray, coarse-grained, poorly sorted, clayey, with phosphate, Limestone; sandy, 5Y8/1 -----	150 50	210 260

Oligocene Undif. 260	Limestone: yellowish-gray, fine-grained, with bryozoa and <u>Lepidocyclina</u> sp., Sand; medium- to fine-grained, moderately to poorly sorted, 5Y7/2 <u>Pararotalia mexicana</u> at 350-360' -----	150	410
Upper Eocene Undif. 410	Limestone: yellowish-gray, fine-grained, with bryozoa and trace of glauconite, 5Y8/1 <u>Asterocyclina</u> sp. at 530-540' <u>Nummulites floridensis</u> at 550-540' -----	320	730
Middle Eocene Claiborne Undif. 730	Limestone: yellowish-gray, sandy, fine-grained, dolomitic, with heavy minerals, Sand; medium-grained, moderately sorted, 5Y8/1 -----	190	920
	Limestone: light gray, sandy, abundant fine-grained heavy minerals, with glauconite and chert, N7 -----	110	1030
	Limestone: yellowish-gray, glauconitic, with abundant oyster shell fragments, 5Y8/1 -----	60	1090
Middle Eocene Claiborne Tallahatta 1090	Sand: very light gray, to greenish-gray, medium-grained, moderately sorted, very glauconitic, N8 to 5GY6/1 <u>Globigerina frontosa</u> , <u>Acarinina spinuloinflata</u> , and <u>Morozovella aragonensis</u> at 1140-1150' -----	140	1230
	No samples -----	40	1270
In Lower Eocene/ Paleocene Undif. 1270	Silt: olive-gray, clayey, calcareous, with phosphate, 5Y4/1 <u>Morozovella acuta</u> (small) throughout -----	20	1290
	No samples -----	10	1300
	Limestone: medium light gray, sandy, glauconitic, with phosphate and trace of pyrite, Sand; medium-grained, moderately sorted, Silt; clayey, calcareous, N6 -----	250	1550
	Sand: medium light gray to light olive gray, medium- to fine-grained moderately to poorly sorted, phosphatic, glauconitic, with traces of pyrite, Silt; clayey, calcareous, Limestone; sandy, glauconitic, N6 to 5Y4/1 -----	240	1790
	No samples -----	30	1820
	Lithology same as for 1550-1790' -----	45	1865
Cretaceous Undif. 1865	Sand: light gray to medium gray, medium-grained, moderately sorted, micaceous, phosphatic, Silt; clayey, sandy, calcareous, N7 to N5 -----	95	1960
	No samples -----	20	1980

Limestone: medium gray, sandy, with phosphate and oyster shell fragments, Silt; clayey, calcareous, N5	30	2010
Silt: olive gray, clayey, fissile, calcareous, phosphatic, 5Y4/1	130	2140
No samples	30	2170
Same lithology as for 2010-2140'	120	2290
Silt: medium light gray, clayey, sandy, with heavy minerals and glauconite, lignitic, micaceous, N6 <u>Globigerinelloides</u> sp. at 2380-2410'	120	2410
Description in GGS files	1665	4075

T.D. 4075

WELL NO:	GGG 3084	ALTITUDE:	161 ft.
WELL NAME:	Southern Natural Gas Co. McRae #1	TOTAL DEPTH:	3642 ft.
COUNTY:	Wheeler	DESCRIBED BY:	GGG

SUMMARY:			
THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	50	50
In Miocene Undif. 50	Sand: very light gray to yellowish-gray, very coarse-grained, moderately sorted, calcareous, N8 to 5Y8/1	70	120
	Clay: yellowish-gray, sandy, 5Y8/1	50	170
	Limestone: yellowish-gray, sandy, contains numerous fragments of macrofossils, 5Y8/1	30	200
	Clay: yellowish-gray, sandy, calcareous, 5Y8/1	30	230
	Limestone: yellowish-gray, crystalline, sandy, with phosphate, numerous fragments of macrofossils, 5Y8/1	20	250
Oligocene/ Upper Eocene Undif. 250	Limestone: light olive gray, granular, with chert, bryozoa, 5Y6/1	40	290
	Clay: light olive gray, micaceous, calcareous, 5Y6/1	45	335
	Limestone: yellowish-gray, sandy, with bryozoa, 5Y8/1 <u>Lepidocyclina</u> sp. throughout	85	420
	No samples	10	430
	Sand: yellowish-gray, coarse- to very coarse-grained, moderately sorted, clayey, Limestone; sandy, Clay; sandy, 5Y8/1	65	495
	Limestone: yellowish-gray, sandy, with chert, 5Y8/1	20	515
	Claystone: light olive gray, silty, sandy, calcareous, 5Y6/1	55	570

242001

#1 Towns
Wheeler County, Ga.

June 1982

James A Miller

Depth
0-60

Lithology

No sample.

Nonmarine Miocene

60-70 Sand, fine to medium-grained, with traces of white waxy clay.
Probably nonmarine Miocene. Skip to -

Hawthorne

140-150 Limestone, white, sandy, medium crystalline, dense, probably
Miocene. (Hawthorne) This lithology persists to 230 feet.
230-240 Clay, green, soft, calcareous, with broken shell fragments common.
Definite Hawthorn lithology, that persists to 300 feet.

Oligocene

300-310 Limestone, tan, pelletal, with fossil casts and molds common. This
lithology persists to 360 feet. Contains Parazotalia mexicana at
310-320.

Ocala

360-370 Limestone, white, highly fossiliferous, fossils bound with micritic
matrix. Bryozon abundant. Skip to -

Middle Eocene

650-660 Limestone, white to light-gray, pelletal, with trace of fine-
grained glauconite. Skip to -

In middle Eocene

1160-1170 Sand, medium-grained, rounded, water-polished, with medium-grained
glauconite, broken shell fragments prominent. Trace of white
sandy limestone, as cavings. Skip to -
1190-1200 Sand as above.
1200-1210 Sand as above with glauconite very coarse-grained. Skip to -
1220-1230 Sand as 1160-1170 foot interval, very well-sorted.
1230-1270 No sample.
1270-1280 Clay, dark-gray, subfissile, calcareous. Probably will yield
microfauna. Skip to -
1320-1330 Limestone, light to medium-gray, highly sandy and glauconitic, fine
to medium crystalline, somewhat friable because of high sand
content. Skip to -
1360-1370 Limestone as above. Skip to -
1400-1410 Limestone as above with medium-gray subfissile clay prominent.
Skip to -
1450-1460 Limestone, medium-gray, hard, massive, somewhat glauconitic, fine
crystalline, with pelecypod casts and molds prominent. This

- lithology starts at 1420-1430 feet. Much caving of light gray fossiliferous clay that contains Haplocytherides montgomeryensis, a middle Eocene ostracod.
- 1460-1470 Limestone as above with dark-gray clay common. Trace of light-gray ashy (?) soft shale, that contains much fine-grained muscovite.
- 1470-1480 Highly mixed sample. Mostly (60 percent) coarse-grained rounded water-polished sand. 40 percent light-gray soft shale, that may yield fauna. Samples appear to have much cavings from here down.
- 1480-1490 Sand and shale as above.
- 1490-1500 As above with 10 percent increase in sand, corresponding decrease in shale.
- 1500-1510 Limestone, off-white, very fine to fine crystalline, silty-textured, sandy, soft to semi-indurated, with dark greenish-gray spots that represent weathered glauconite.
- 1510-1520 Clay, light-gray, waxy, somewhat silty, nonfossiliferous.
- 1520-1530 Shale, medium-gray with brown cast, silty, ashy (?), fissile, soft, nonfossiliferous.
- 1530-1540 Out-of-place? Flood of coarse broken oyster shell material.
- 1540-1550 Mostly oyster material as above, mixed with up-hole lithologies.
- 1550-1560 Highly mixed sample. Much dark-gray shale and medium-gray calcareous very fine-grained glauconitic sandstone.
- 1560-1570 Shale, dark-gray, soft, fissile to subfissile, calcareous, with white calcareous spots that may represent weathered shell material. This may be out of place.
- 1570-1580 Shale as above.
- 1580-1590 Shale as above, containing traces of dark-brown woody material.
- 1590-1600 Shale as above.
- 1600-1610 Shale as above, with dark gray-brown siltstone prominent.
- 1610-1620 Shale as above.
- 1620-1630 Shale as above.
- 1630-1640 Mostly sand, fine to medium-grained, poorly sorted, with medium-grained glauconite common.
- 1640-1650 Sand as above.
- 1650-1660 Sand as above, with dark-brown siltstone prominent.
- 1660-1670 Sand as above.
- 1670-1680 "Pencil" shale, light-gray, massive fissile, breaks into elongate thin chips. Much cavings of middle Eocene light-gray fossiliferous clay. The "pencil" shale may yield fauna.
- 1680-1690 Unwashed sample, mostly sand as 1660-1670 foot interval.
- 1690-1700 Sand as above but washed.
- 1700-1710 Sand as above. Much cavings.
- 1710-1720 Sand as above.
- 1720-1730 Limestone, light-tan (honey-colored), highly sandy, fine to coarse crystalline. Probably cavings from upper part of middle Eocene. Cuttings contain Brachycythere sp. (not B. sphenoides).

No definite Cretaceous to 1730 feet (last sample examined).