

**GEORGIA
STATE DIVISION OF CONSERVATION**

DEPARTMENT OF MINES, MINING AND GEOLOGY
GARLAND PEYTON, Director

**THE GEOLOGICAL SURVEY
Bulletin Number 74**

**LOGS OF SELECTED WELLS IN THE
COASTAL PLAINS OF GEORGIA**

by

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**ATLANTA
1964**

Depth (feet)	Description
625	No change.
642	No change.
651	No change.
664	No change.
666	No change.
681	No change.
697	Like preceding samples, but contains almost no glauconite.
721	Like sample at 697 ft.
755	Like sample at 721 ft., but contains no glauconite.
768	Like sample at 755 ft., but sand is coarser grained.
780	Like sample at 768 ft., but contains fragments of sandy limestone that are probably caving from higher levels.
820	No change.
909	No change.
925	No change.
940	Sand, like preceding samples, but finer grained, somewhat chalky, and containing many nodules of glauconite. The sample contains several poorly-preserved specimens of smaller Foraminifera, among which <i>Robulus</i> sp. (close to <i>Lenticulina rotulata</i>) is a common form; no diagnostic species seem to be present.
970	Sand, clear quartz, uneven grained, somewhat glauconitic, and similar, in general, to sample at 940 ft. This sample also contains a few specimens of nondiagnostic species of Foraminifera, and a few other specimens which probably caved from higher depths.
1035 T.D.	Sand and a little glauconite like the sample at 970 ft., but the sand is somewhat finer grained.

DECATUR COUNTY

Operator: Hunt Oil Co.	GGs. No. 168
Landowner: Metcalf Well 1	Elevation: 104 ft. (derrick floor)
Location: Land District 21, Land Lot 260, center of NE $\frac{1}{4}$ of Land Lot 260	Total depth: 6152 ft. Completed: Aug. 19, 1944

Summary of Stratigraphy

	Depth (feet)	Thickness (feet)
Tertiary		
Paleocene		
In beds containing Tamesí fauna at 1930 ft. 1st sample	?	?

Depth (feet)	Description
	<i>conicus</i> , <i>Stensioina americana</i> , and a variety of <i>Planulina dumblei</i> .
2100-2350	Not described.
2350-2360	Marl, gray, containing abundant specimens of Foraminifera; common species are: <i>Globotruncana</i> spp., <i>Globigerina cretacea</i> , <i>Planulina texana</i> , and <i>Stensioina americana</i> . The sample is probably from the lower part of the beds of Taylor age.
2360-2480	Not described.
	Beds of Austin(?) age.
2480-2490	Marl, gray, containing a specimen of <i>Valvulineria umbilicata</i> typical of the Austin Chalk in Texas, and specimens of <i>Pseudogaudryinella capitosa</i> .
2490-2570	Not described.
2570	Sidewall core.
	Clay, greenish-gray, marly, micaceous, containing a microfauna indicative of the Austin age of the beds.
2580-2590	Clay, gray and green, marly, containing specimens of <i>Kypophyxa christneri</i> .
2590-2600	Clay, greenish-gray, shaly, calcareous.
2600-2790	Not described.
2790-2800	Shale, brown, thinly flaky, slightly speckled, and a little green, flaky, noncalcareous shale.
2800-2830	Not described.
2830-2840	Shale, dark brownish-gray, flaky, slightly speckled.
2840-2900	Not described.
	Atkinson Formation. Upper Member.
2900-2910	Sandstone, moderately dense, very fine grained, highly micaceous, and fragments of speckled shale; a few shell fragments.
2910-2920	Like sample at 2900-2910 ft.; the sandstone is somewhat glauconitic.
2920-2930	Sandstone, like sample at 2900-2910 ft., and many fragments of <i>Ostrea</i> sp.
2930-2940	Not described.
2940-2950	Sandstone, similar to sample at 2900-2910 ft., but somewhat coarser grained and more micaceous; contains a few black phosphatic fragments, a little bluish-green glauconite, nodules of pyrite, and shell fragments.
2950-2960	Sandstone and abundant shell fragments, including fragments of <i>Inoceramus</i> .
2960-2970	Not described.
2975	Sidewall core.
	Sand, fine-grained, uneven-grained, angular, clear quartz, containing a little glauconite and a few shell fragments.

Depth (feet)	Description
2970-3030	Sand, fine to moderately fine grained, glauconitic, micaceous, containing shell fragments and fish bones. The various types of shale in the sample are probably cavings from higher levels.
3030-3040	Sand, like samples at 2970-3030 ft., and a little green flaky shale; shell fragments are abundant.
3040-3060	Not described.
3060-3070	Sandstone, moderately coarse, glauconitic, fossiliferous; contains fairly large fragments of carbonaceous material, many shell fragments, fish bones, and a few bryozoan fragments. Below this depth, the sandstone becomes harder and finer grained, and shell fragments gradually decrease in abundance.
3070-3080	Not described.
3080-3090	Sandstone, white, dense, fine-grained, glauconitic, somewhat micaceous, containing phosphatic and carbonaceous material, shell fragments, and bryozoan fragments.
3090-3250	Not described.
3250-3260	Sand and shell fragments. Shell fragments are common.
3260-3270	Not described.
3270-3280	Clay, green and bluish-green, shaly, and a little sand. Specimens of Foraminifera are probably cavings.
3280-3320	Not described.

Atkinson Formation. Lower Member.
(electric log correlation)

3320-3330	Clay, green, shaly and sand and sandstone like sample at 3270-3280 ft.
3330-3390	Shale, green, and other types of shale that seem to be cavings.
3390-3400	Shale, dark-gray, hard, is in cuttings at this depth.
3400-3420	Shale, dark-gray, micaceous, containing specimens of arenaceous species of Foraminifera typical of the lower member of the Atkinson Formation. The shale is the so-called "marine shale" of the Tuscaloosa Formation.
3420-3430	Shale, dark-gray, micaceous, containing specimens of <i>Ammobaculites bergquisti</i> (abundant), <i>A. comprimatus</i> , <i>Trochammina rainwateri</i> , <i>T. exigua</i> , and others.
3430-3440	Material and fauna like sample at 3420-3430 ft., but specimens of Foraminifera more abundant.
3440-3510	Not described.
3510-3520	Shale, gray, and a little green flaky shale; white, micaceous, glauconitic sandstone is also in cuttings at this depth.
3520-3530	Like sample at 3510-3520 ft.
3530-3540	Sandstone, white, fine-grained, glauconitic, pyritic, somewhat micaceous, slightly phosphatic, increases in abundance. The sandstone contains a few large grains of quartz.

Depth (feet)	Description
3545	Sidewall core. Shale, green, thinly flaky, speckled; contains dwarf specimens of <i>Gumbelina</i> and <i>Globigerina</i> that give the shale a speckled appearance.
3555	Sidewall core. Sand, fine to coarse-grained, roughly angular, clear quartz; probably the basal sand of the Atkinson Formation.
3560-3570	Sand and sandstone, like the sample at 3510-3520 ft. and below.
3570-3580	Sand, coarse-grained, is dominant in the sample; contains many greenish-yellow quartzitic grains, and a few grains of pink feldspar.
3580-3590	Sand, like sample at 3570-3580 ft.; ankerite pellets are common.
3590-3600	Sand, like sample at 3570-3580 ft., and a few chips of dark brownish-red micaceous shale.

Comanche Series undifferentiated

3600-3610	Sand, coarse-grained, containing greenish-yellow and pink grains, and a few grains of feldspar. The sample also contains cuttings of dark brownish-red, micaceous, sandy (fine-grained sand), unctuous, shaly clay.
3608	Sidewall core. Sand, poorly sorted, fine to coarse-grained, roughly angular quartz, containing a few greenish-yellow grains.
3623	Sidewall core. Mudstone, brick-red, green and ochre streaks and mottling, sandy (fine-grained sand), micaceous.
3610-3900	Samples not studied in detail. The material is, mainly, coarse-grained sand, and red, green and ochre mottled mudstone; grains of pink feldspar become progressively more abundant with depth.
3900-5240	Nodules of white, pink-stained, sandy limestone are in the samples at 3900 feet. The samples were not studied in detail, but are composed, mainly, of coarse-grained sand, mudstone and shale, and nodules of limestone.
5240-5250	Shale, purplish-red, raspberry, and varicolored, and many nodules of white, pink-stained, sandy limestone. The samples were not studied below 5250 ft. At this depth, the samples indicate that the well had not penetrated rocks older than Comanche age.