



Owner:	Henry L. Branscorne (Pocohontas Shores #2)	W# 5512
Driller:	W. H. Gammon	C# 183
County:	James City ( Williamsburg)	Total Depth: 396'
		Quad: Surry
		Elev: 4'

Depth  
(feet)

WELL LOG

- 0-20 Sand - Dark yellowish orange, (10yr 5/6); sparse clay; fine to medium, subangular, well sorted; feldspar; mica.
- 21-44 Gravel - Mixed colors; very sparse gray clay in small clasts; very coarse to pebble, subangular, moderate sorting.
- 44-64 Sand - Light and dark "gray"; 50% light olive gray (5y 5/1); clasts; with blue (copper hydration?) stains; Diatoms; mica; and 50% fine to very coarse, angular and subangular, poorly sorted; brown, quartz sand; few glauconite grains; garnet.
- 64-84 Sand - Light olive gray (5y 5/2); abundant clay with copper carbonate; diatoms; fine to very coarse, angular and subangular, poor sorted; rare phosphate fragments; 3% fine shell fragments; feldspar; garnet.
- 84-100 No Samples.
- 106-148 Sand - Light olive gray (5y 6/1); abundant clay at 106-127 and very sparse at 127-148'; fine to very coarse, mostly coarse at 127-148; subangular with some angular, moderate sorting; 7% phosphate fragments; 10% shell fragments (fine).
- 148-169 Sand - Light olive gray (5y 6/1); very sparse clay; medium to coarse, subangular, moderately well sorted; 1% phosphate fragments; 3% shell fragments, chela; bone fragment.
- 169-190 Gravel, Glauconitic - Light and dark gray; abundant clay; 55% glauconite, fine, dark green; fine to very coarse, subangular and angular, poorly sorted; depositional limestone fragments with glauconite/sand; 20% shell fragments; feldspar; wood fragment.
- 190-232 Sand, Glauconitic - Light and dark gray; 60+% brown and green fine glauconite; fine to coarse, subangular and some angular, well sorted; 10% fine shell fragments.
- 232-293 Sand, Glauconitic - Olive gray (5y 3/2); moderate clay; 90+% glauconite; dark green, medium grained; medium to very coarse, subrounded and subangular, moderate sorting; very sparse echinoderm spines; very rare shell fragments at 273-293.
- 293-313 Sand, Glauconitic - Light and dark gray; 20% glaucunite; coarse, subangular, well sorted; mica.  
\*Very sparse clay as coating on grains

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(feet)

- 313-333 Sand - Light and dark gray; very sparse clay; fine to very coarse, subangular, poorly sorted; 40% glauconite; shell fragment; mica.
- 333-393 Gravel - Light olive gray (5y 6/1); sparse clay at 353-393; medium to small pebble, subangular with some angular and rounded on pebbles, well sorted at 333-353 and moderate sorting from 353-393; very rare glauconite/shell fragments\*; feldspar; mica. \*10% fine glauconite at 373-393.
- 393-396 No Sample.

Logged by: J. K. Polzin  
Sept. 8, 1980