





Owner: Smoot Well (W. of Dahlgren)  
Driller: J. T. Ellington  
County: King George

W# 366  
C# 22  
Total Depth: 980'  
Quad: King George  
Elev: 150'

Depth  
(feet)

WELL LOG

0-20 No Sample.

20-40 Sand - dark yellowish orange (10YR 6/6); sparse clay in coating; granule, subangular, well sorted.

40-60 Clay - light olive gray (5Y 6/1); moderate sand; very fine, subangular, well sorted; diatoms.

60-90 No Sample.

90-110 Sand - light olive gray (5Y 5/2); abundant clay; very fine to granule, subangular, poorly sorted; 25% glauconite; 10% phosphate/bone fragments; 1% shell fragments; plant debris; mica; ochre.

110-130 Clay - light olive gray (5Y 6/2); abundant sand; very fine to granule, subangular, poorly sorted; 3%+ glauconite/bone fragments; mica.

130-150 Sand - light olive gray (5Y 5/2); abundant clay; very fine to fine, subangular, well sorted; 3% fine glauconite; 1% shell fragments; mica; ochre.

150-180 Sand - olive gray (5Y 4/1); abundant clay; fine to medium, subangular, well sorted; 45%+ glauconite; 10% fine shell fragments; bone fragments; echinoderm spines; mica.

180-230 No Sample.

230-240 Shell, Gravel - light olive gray (5Y 5/1); abundant clay; fine to medium, subangular, well sorted; 20% glauconite; 50% shell fragments.

240-260 Sand - pale yellowish brown (10YR 6/2); abundant clay; fine to coarse granules, subangular, poorly sorted; 20% glauconite; 10% fine shell fragments; bone fragments; wood debris.

260-290 Sand - pale brown (5YR 5/2); abundant clay ~~and~~, at 285 is pale brown and light olive gray (5Y 5/1); fine to granule, subangular, poorly sorted; 10% glauconite; rare shell fragments at 260, 3% at 285 and 8% at 290.

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290-320 No Samples.

320-330 Shell Gravel - light and dark gray, 60% shell fragments; abundant calcium carbonate as cementing agent in some clasts; moderate clay; fine to granule, subangular, poorly sorted; variable glauconite, loose and in clasts - up to 20%; madreporite.

330-370 No Samples.

370-390 Sand - light olive gray (5Y 5/2); abundant clay; fine to granule, subangular and angular, poorly sorted; 10% glauconite; 3% shell fragments; ochre; mica.

~~390-420 Sand - light olive gray (5Y 5/2); abundant clay; fine to granule, subangular and angular, poorly sorted; 10% glauconite; 3% shell fragments; ochre; mica.~~

390-765 No Samples.

765-980 Sand - moderate yellowish brown (10YR 5/4); sparse clay; very fine to coarse, mostly coarse, angular, well sorted; 10% glauconite (contam?); feldspar.

~~980-1000~~ ~~980-1000~~

Logged by: J. K. Polzin  
November 7, 1980