

VDMR Well Number 2336

Operator: A & R Oil Co  
Farm: Martin  
Well Number 1-B  
Elevation: + 260 feet  
Total Depth: 521 feet  
County: Chesterfield  
Logged by: G.P. Wilkes 8-31-79

<u>Depth</u> (feet)	<u>Geologic Log</u>
0-20	Sand - red, poorly sorted, fine to very course grained, subround.
20-40	Sandstone - grey, poorly sorted, fine to very course grained, subround.
40-50	Sandstone - red, poorly sorted, very fine to very course grained, subround, muscovite, olivine & biotite common.
50-60	Sandstone - grey, well sorted, medium grained, subangular and angular, biotite common.
60-70	Sandstone - red, well sorted, medium grained, subangular, biotite common.
70-80	Sandstone - red, poorly sorted, very course to fine grained, finer grains are angular, courser grains rounded, biotite common.
80-90	Sandstone - grey, well sorted, very course grained, subround and round, quartz grains with primary biotite.
90-110	Siltstone - red, and sandstone - grey, course grained, subangular, biotite common.
110-130	Sandstone - grey, well sorted, course and very course grained, subround, shale present 120-130.
130-150	Shale - grey, with sandstone - very course and course grained, subround.
150-170	Siltstone - grey, biotite common, with sandstone - clear, course grained, subangular to angular.

- 170-180 Sandstone - light grey and clear, very course and course grained, subangular.
- 180-190 Siltstone - grey, biotite common, and sandstone - white and clear, very course to medium grained, subangular to subround.
- 220-250 Siltstone - light and dark grey, muscovite common, with sandstone - white and clear, course grained, subangular; shale stringers 230-240.
- 250-260 Sandstone - white and clear, course grained, angular and subangular, well sorted, with siltstone and shale stringers.
- 260-270 Carbonaceous shale - hard, dark grey.
- 270-280 Sandstone - clear & white, course grained, angular, well sorted, with shale stringers - coally laminations common.
- 280-340 Sandstone - white and clear, very course and course grained, angular, moderate sorting, slight reaction with HCl; with siltstone stringers.
- 340-390 Shale - medium grey, and siltstone - light grey, and sandstone - white, very course grained, subangular.
- 390-410 Sandstone - white and clear, course grained, angular, well sorted, iron staining on grains, with siltstone - light grey.
- 410-430 Shale - medium grey.
- 430-440 Sandstone - clear and white, course grained, angular, well sorted, with siltstone and shale stringers.
- 440-460 Sandstone - white and clear, course and medium grained, subangular, with a few shale and siltstone stringers.
- 460-470 Shale - dark grey, and siltstone - light grey.
- 470-500 Siltstone - light grey, and sandstone - white, very course grained, rounded.
- 500-510 Sandstone - clear, course to medium grained, subangular, with shale and siltstone stringers.
- 510-520 Shale - dark grey, and siltstone - light grey.

SAMPEL TD 520 feet

SAMPLE feet