

Company: Snee & Eberly
Farm: S. L. Moyers.
Well No.: VA-R-1
Elevation: 1532' gr.
Total Depth: 3077'
Location: Rockingham County
13,000' N. of
38°45', 9000' W 78°55'

VDMR Well No. 96
Geologic Log
Samples studied and
described by:
Stanley S. Johnson
Virginia Division of
Mineral Resources
December, 1963

Drilling Commenced: August 12, 1952
Well Completed: November 8, 1952
Result: Gas Well (shut-in)

Geologic Log

<u>Depth</u>	<u>Thickness</u>	<u>Description</u>
0'-767'	767'	No samples.
767'-950'	183'	Shale, silty, light grey, fine-grained, moderately soft, very poorly fissile, argillaceous, dolomitic; shale samples 895'-950' contain some light sugary textured dolomite.
950'-1010'	60'	Siltstone, light grey, fine to medium grained, moderately soft, poorly fissile, with calcite in fracture fillings.
1010'-1193'	183'	Shale, light to medium grey, moderately soft, poorly fissile, dolomitic; shale samples 1100'-1193' are silty, shale samples 1125'-1175' are slightly greenish, shale sample 1175'-1193' has fair fissility.
1193'-1515'	322'	Shale, silty, light to medium grey, fine-grained, moderately hard, brittle, poorly fissile, dolomitic; shale sample 1215'-1228' contains fragments of rock crystal quartz, shale sample 1420'-1440' contains quartz and pyrite, shale sample 1465'-1471' contains fragments of rhombic dolomite, shale samples 1471'-1505' contain a very fine-grained sandstone.

1515'-1655'	140'	Shale, light to dark grey, moderately hard, brittle, poorly fissile, dolomitic, micaceous; shale sample 1525'-1535' has pyrite, shale samples 1562'-1655' are silty, shale samples 1624'-1655' are slightly calcareous and contain calcite and dolomite in fracture fillings.
1655'-1815'	160'	Siltstone, light to dark grey, fine-grained, moderately hard to hard, poorly fissile, slightly calcareous, dolomitic, with calcite; shale samples 1676'-1815' contain pyrite and mica.
1815'-2335'	520'	Shale silty, medium to dark grey, fine-grained, moderately hard, brittle, poorly fissile, slightly calcareous, dolomitic, with pyrite, and calcite in fracture fillings; shale samples 1919'-1940', 2140'-2176', and 2270'-2320' contain fragments of rock crystal quartz, shale samples 2160'-2176' and 2244'-2270' possess fair fissility.
2335'-2377'	42'	Siltstone, medium grey, fine-grained, moderately hard, brittle, poorly fissile, calcareous, with calcite in fracture fillings, pyrite, and mica.
2377'-2965'	588'	Shale, silty, light to dark grey, fine-grained, moderately hard to hard, brittle, poorly fissile, slightly calcareous, dolomitic, with calcite in fracture fillings, pyrite and mica; shale samples 2480'-2520' possess fair fissility, shale samples 2520'-2548', 2598'-2620', 2845'-2869', and 2898'-2965' are very calcareous, shale samples 2845'-2914' contain abundant calcite.
2965'-3036'	71'	Shale, silty, medium grey to black, fine-grained, hard, poorly fissile dolomitic, with calcite in fracture fillings and pyrite; shale sample 2987'-3012' is calcareous, shale sample 3034'-3036' contains fragments of quartz.

3036'-3072'

36'

Sandstone, glassy, white to light yellow, fine to medium-grained, calcareous, good sorting, sub-angular to subrounded, with calcite; sandstone samples 3036'-3051' contain fragments of shale (contamination (?)).

Geologic Summary

Devonian System

Brallier Formation
Millboro and Onondaga Shales
Oriskany Sandstone

surface - 767' (No samples)
767' - 1515' (?)
1515' (?) - 3036'
3036' - T. D.