

OWNER: Franwood Farms, Inc.
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Shenandoah (Forestville)

VDMR #895
WWCR #206
TOTAL DEPTH: 258'

GEOLOGIC LOG

0-35 No sample.

Chepultepec Formation (35-255')

- 35 Limestone and Clay — medium- to dark-gray calcilutite with some vein calcite; buff, calcareous clay.
- 50 Limestone — medium- to dark-gray calcilutite with some vein calcite.
- 65 Limestone and Clay — medium-gray calcilutite with brownish-gray bands, and scattered lenses of earthy hematite; buff to white calcareous clay.
- 80 Limestone and Clay — light- to dark-gray calcilutite; buff, calcareous clay and small amount pink- to red hematitic calcareous clay.
- 95 Limestone — light-gray to red, clayey, abundantly mottled and veined with iron oxides, mostly hematite.
- 110 Clay — buff, calcareous, locally hematitic; small amount of gray calcilutite.
- 125 As above.
- 140 Clay and Limestone — buff, calcareous, locally hematitic clay containing abundant, well-rounded, frosted quartz grains (some of this quartz is aggregated by carbonate cement), and iridescent colloform crusts of iron oxides; light- to dark-gray calcilutite, oolitic in part, and with a few columnar plates of echino-derms.
- 155 As above — but with some light-gray chert with dolomite rhombohedrons.
- 156 Limestone — brownish-gray calcilutite with pink- to red clay on fracture surfaces; a few columnar plates of echinoderms.
- 165 Limestone and Clay — black, very-fine- to fine-grained limestone, and pink, calcareous clay; some finely interlaminated brownish-gray chert and calcite.
- 180 Limestone and Chert — medium-gray, very-fine-grained limestone, and abundant black chert; trace of very-fine-grained pyrite.

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- 188 Dolomite — medium-gray, fine-grained; some vein calcite.
- 195 Limestone — dark-gray calcilutite with hematitic coatings on fracture surfaces.
- 210 Limestone — dark-gray, very-fine-grained to calcisiltitic; small amount calcareous yellow clay.
- 225 As above.
- 240 Limestone — medium-gray calcilutite.
- 255 Limestone — gray fine-grained, dolomitic; some vein calcite.
- 255-258 No sample.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-35	No sample	
35-255	Chepultepec Formation	Ordovician
255-258	No sample	

Virginia Division of Mineral Resources
Robert H. Teifke, Geologist
March 25, 1965