

OWNER: Authur R. Ware, Jr.
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Augusta (Staunton)

VDMR WELL NO: 1099
WWCR WELL NO: 303
TOTAL DEPTH : 310

GEOLOGIC LOG

Chepultepec Formation (0-310')

0-10	Residuum - medium-brown, calcareous clay, fragments of limestone and vein quartz.
10-25	Limestone - medium-dark-blue-gray, very-fine-grained, tiny veins of calcite.
25-40	As above - slightly darker, with dark gray chert.
40-55	Limestone - medium-dark to dark-gray, very-fine-grained, patches and small veins white sparry calcite; minor dark-gray opaque chert and medium-gray translucent oolitic chert; trace pyrite.
55-70	As above - no dark-gray chert or oolites observed.
70-85	Limestone - medium-to medium-dark-gray, fine-grained; uneven texture with finely crystalline carbonate scattered throughout; sparry, colorless, white and smoky blue vein calcite.
85-100	As above - no veins.
100-115	As above - minor veins calcite, trace siliceous limestone and pyrite.
115-130	Limestone - medium-gray, very-fine-grained with very-finely crystallized carbonate; minor sparry veins; trace disseminated pyrite especially along veins.
130-145	As above
145-160	Limestone - medium-gray, aphanogranular to finely crystalline; minor veins sparry to massive calcite; trace dark-gray chert and disseminated pyrite.
160-175	As above - no chert, less pyrite.
175-190	Limestone - medium-dark-gray, aphanogranular to coarsely crystalline, cherty; trace white calcite veins.
190-205	Limestone - medium-gray, fine-grained, uneven texture, scattered patches coarsely crystalline carbonate.
205-220	As above
220-235	Limestone - medium-blue-gray, fine-to medium-crystalline; sparry white calcite veins; trace chert.
235-250	As above

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- 250-265 Limestone - medium-blue-gray, fine-to medium-crystalline; sparry white calcite veins; trace chert.
- 265-280 As above - less vein calcite.
- 280-295 Limestone - medium-gray, aphanogranular to medium-crystalline; minor massive white vein calcite; trace orange and dark-gray chert.
- 295-310 As above

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-310	Chepultepec Formation	Lower Ordovician

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
July 9, 1965