

OWNER: Clyde Norman Pense
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Rockingham (Elkton)

VDMR #1250
WWCR #493
TOTAL DEPTH: 354'

GEOLOGIC LOG

0-10	Residuum — brown calcareous clay, fragments of dark-gray chert, milky vein quartz and medium-gray limestone.
10-20	Limestone — medium-gray, fine-grained, silty; minor orange weathering stain on fractures; trace vein calcite.
20-30	"
30-40	Limestone — very-light- to medium-gray, aphanocrystalline; subconchoidal fracture; minor portion with uneven texture apparently due to brecciation; trace white, fine-grained calcareous sandstone; trace iron oxide stain on fractures.
40-55	Limestone — medium-dark-blue-gray, siliceous and argillaceous, fine-grained, minor medium crystalline, tiny veinlets of calcite; trace pyrite and light- to dark-gray chert.
55-70	"
70-85	"
85-100	"
100-115	trace iron oxide stain.
115-130	Limestone — medium-dark-gray, fine-grained; trace stylolites and vein calcite.
130-145	"
145-160	minor medium-gray, medium-crystalline limestone.
160-175	Limestone — medium-dark-gray, medium-crystalline, siliceous; minor vein calcite; trace calcite.
175-190	"
190-205	"
205-220	less vein calcite.
220-235	Limestone — medium-gray, medium-crystalline, dolomitic.

OWNER: Clyde Norman Pense

#1250

- 235-250 Sandy Limestone — medium-light-gray, fine-grained; with light-gray, fine-grained, calcareous sandstone; minor light-brown, siliceous siltstone.
- 250-265 Limestone — medium-gray, fine-grained; minor light-gray chert; trace dark-gray, oolitic chert.
- 265-280 Limestone — medium-gray, fine-grained to medium-crystalline; trace light-gray chert.
- 280-295 "
- 295-310 no chert.
- 310-325 Shaly Siliceous Limestone — dark-gray, fine-grained; minor pyrite, chert and brown hydrocarbons.
- 325-340 Clay — orange-brown clay with minor silt and coarse sand size fragments of limestone, chert and vein quartz.
- 340-354 No sample.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-340	Conococheague Formation	Cambrian
340-354	No sample	

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
February 11, 1966