

INTERVAL SHEET

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VDMR Well No: 1517

Date rec'd: 3/10/66

Sample Interval: from 12 to 400

U. S. Fish & Wildlife Ser.

PROP: (Paint Bank Fish Hatchery)

Number of samples: 40

COMP: Va. Supply & Well Co.

Total Depth: 400

COUNTY: Craig (Paint Bank)

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To
12 -	310 -	-	-
20 -	320 -	-	-
30 -	330 -	-	-
40 -	340 -	-	-
50 -	350 -	-	-
60 -	360 -	-	-
70 -	370 -	-	-
80 -	380 -	-	-
90 -	390 -	-	-
100 -	400 -	-	-
110 -	-	-	-
120 -	-	-	-
130 -	-	-	-
140 -	-	-	-
150 -	-	-	-
160 -	-	-	-
170 -	-	-	-
180 -	-	-	-
190 -	-	-	-
200 -	-	-	-
210 -	-	-	-
220 -	-	-	-
230 -	-	-	-
240 -	-	-	-
250 -	-	-	-
260 -	-	-	-
270 -	-	-	-
280 -	-	-	-
290 -	-	-	-
300 -	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Paint Bank National Fish Hatchery, Well #4
DRILLER: Virginia Supply and Well Co.
COUNTY: Craig (Paint Bank)

VDMR #1517
WWCR #9
TOTAL DEPTH: 400'

GEOLOGIC LOG

0-12 No sample.

12 Limestone — buff- to medium-gray, fine-grained to medium-crystalline, argillaceous, siliceous slightly fossiliferous.

20 Limestone and Shale — buff to medium-gray, fine-crystalline limestone; medium-gray, very-fissile, shale; trace light brown to red-brown, medium-angular-grained sandstone; trace weathering stain.

30 less weathering stain; minor vein calcite.

40 Limestone and Calcareous Shale — light- to medium gray; fine grained argillaceous limestone and fissile shale; minor vein calcite.

50 Argillaceous Limestone — medium-gray, fine-grained slightly fissile in part, slightly fossiliferous (bryozoa and brachiopods) minor vein calcite.

60 Argillaceous Limestone — medium-gray, fine-grained, fossiliferous; minor shaley partings minor vein calcite and euhedral quartz; trace iron oxide stain.

70 Argillaceous Limestone — medium to light-gray, fissile in part; minor vein calcite.

80 trace iron oxide stain; slightly fossiliferous.

90 no fossils observed.

100 "

110 Leached Argillaceous Limestone — medium-gray, fine-grained, clay partings, fossiliferous, minor white, vein calcite.

120 Argillaceous Limestone — medium-gray, fine-grained, fossiliferous; white, vein calcite.

130 "

140 "

150 no fossils observed.

OWNER: Paint Bank National Fish Hatchery, Well #4

#1517

- 160 Argillaceous Limestone — medium-gray, fine-grained; white, vein calcite.
- 170 Calcareous Shale — medium-gray, fissile; white, vein calcite, trace pyrite and slickensides; minor medium-light-gray, fine-grained argillaceous limestone, slightly fossiliferous with trace medium, rounded sand.
- 180 no slickensides.
- 190 "
- 200 "
- 210 Argillaceous Limestone — medium-gray, fine-grained fossiliferous; white, vein calcite.
- 220 "
- 230 "
- 240 "
- 250 "
- 260 Argillaceous Limestone and Calcareous Shale — light-to medium-gray; fissile pyritiferous shale; fine-grained fossiliferous limestone; white vein calcite; trace colorless, vein quartz.
- 270 "
- 280 Calcareous Shale — medium-dark-gray, fissile minor pyrite and white vein calcite.
- 290 abundant white, vein calcite.
- 300 Calcareous Shale — medium-dark-gray, fissile pyritiferous shale; minor medium-light-gray, fine- to coarse-grained, fossiliferous limestone with dusty pyrite and trace well-rounded, coarse sand; minor white, vein calcite.
- 310 no sand.
- 320 no fossils observed.
- 330 "

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- 340 Calcareous Shale — medium-dark-gray, fissile, pyritiferous, minor medium-light-gray, fine- to medium-grained, fossiliferous limestone; white, vein calcite.
- 350 "
- 360 less limestone.
- 370 only a trace of vein calcite.
- 380 Calcareous Shale — medium-gray, fissile; trace fine-grained, medium-light-gray limestone; white, vein calcite.
- 390 "
- 400 Calcareous Shale — medium-gray, fissile, minor white, vein calcite.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-12	No sample	
12 -400	Martinsburg Formation	Ordovician

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
March 15, 1966