

INTERVAL SHEET

WWCR 510

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VDMR Well No.: Well No. 1314

Date 5/26/65

Sample Interval: from 14 to 520

PROP: E. Rockingham County Recreation Assoc. #2

Total depth 520

COMP: C. R. Moore

Oil Gas Water Exploratory

COUNTY: Rockingham

Cuttings Core Other

(Penn Laird)
VDMR Well No: W-1314
From-To From-To

Washed samples
From-To From-To From-To

-	-	0 - 14 *	290 - 300	-
-	-	14 - 15	300 - 310	-
-	-	15 - 20	310 - 320	-
-	-	20 - 30	320 - 330	-
-	-	30 - 40	330 - 340	-
-	-	40 - 50	340 - 350	-
-	-	50 - 60	350 - 360	-
-	-	60 - 70	360 - 370	-
-	-	70 - 80	370 - 380	-
-	-	80 - 90	380 - 390	-
-	-	90 - 100	390 - 400	-
-	-	100 - 110	400 - 410	-
-	-	110 - 120	410 - 420	-
-	-	120 - 130	420 - 430	-
-	-	130 - 140	430 - 440	-
-	-	140 - 150	440 - 450	-
-	-	150 - 160	450 - 460	-
-	-	160 - 170	460 - 470	-
-	-	170 - 180	470 - 480	-
-	-	180 - 190	480 - 490	-
-	-	190 - 200	490 - 500	-
-	-	200 - 210	500 - 510	-
-	-	210 - 220	510 - 520	-
-	-	220 - 230	-	-
-	-	230 - 240	-	-
-	-	240 - 250	-	-
-	-	250 - 260	-	-
-	-	260 - 270	-	-
-	-	270 - 280	-	-
-	-	280 - 290	-	-

* No sample

OWNER: East Rockingham County
Recreation Assoc. #2
DRILLER: C. R. Moore
COUNTY: Rockingham (Penn Laird)

VDMR #1314
WWCR #510
TOTAL DEPTH: 520'

GEOLOGIC LOG

- 0-14 No sample.
- Beekmantown Formation (14-520')
- 14-15 Mudstone, Siltstone, and Sandstone — yellow-brown; medium-gray cherty dolomite and limestone; cream-colored vein quartz.
- 15-20 Limestone — medium-gray, aphanogranular, with lighter patches of dolomite rhombohedrons; minor medium-gray, very-fine-grained dolomite; moderate yellow brown claystone.
- 20-30 Dolomite and Limestone — medium-gray, very-fine-grained with minor chert; yellow-brown to gray-brown claystone and silicified siltstone which may be contamination.
- 30-40 Dolomitic Limestone — medium-gray, very-fine-grained with abundant dolomite rhombohedrons; minor quartz crystal aggregates and calcite veins; minor silicified siltstone.
- 40-50 Dolomite — medium-dark-gray, finely-crystalline, calcareous; minor white calcite and dolomite veins; shaly weathered zone.
- 50-60 Dolomite — medium-dark-gray, medium-crystalline; minor aphanogranular limestone with white veins of calcite.
- 60-70 Dolomite — medium-light-gray, minor medium-dark-gray; finely-crystalline, slightly calcareous; minor olive-brown calcareous clay.
- 70-80 As above — no clay.
- 80-90 As above —with clay
- 90-100 As above — minor white dolomite veins; dark portions of rock contain much dusty pyrite.
- 100-110 Dolomite and Limestone — dark-gray, medium-crystalline dolomite; medium-dark-gray, aphanogranular limestone with abundant medium sized dolomite rhombohedrons; minor very dark limestone with dusty pyrite and carbonaceous material.
- 110-120 Limestone — medium-dark- to dark-gray, aphanogranular with dolomite rhombohedrons.
- 120-130 Dolomite — medium-dark-gray, medium-crystalline with minor vein white dolomite.

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#1314

- 130-140 Limestone and Dolomite — dark-gray, very-finely-crystallized, and medium-light-gray shaly limestones with abundant crystalline calcite; medium-gray, medium crystalline dolomite.
- 140-150 Dolomite — medium-gray, very-coarsely-crystalline with vein white dolomite; minor medium-dark, finely-crystallized to aphanogranular carbonaceous dolomite.
- 150-160 Dolomite — medium-dark-gray, very-finely-crystallized; trace vein calcite.
- 160-170 Calcareous Dolomite — medium-dark-gray, very-finely-crystallized to aphanogranular with tiny dolomite rhombohedrons and minor vein calcite.
- 170-180 Dolomite — medium-dark-gray, very-finely-crystallized; minor white vein dolomite.
- 180-190 As above.
- 190-200 As above.
- 200-210 As above.
- 210-220 Dolomite — medium-dark-gray, medium-crystalline; minor vugs of quartz crystals.
- 220-230 Dolomite — medium-dark-gray, coarsely crystalline, minor very-dark, pyritiferous fragments; trace chert.
- 230-240 Dolomite — medium- to medium-dark-gray; very-fine- to medium-crystalline.
- 240-250 Dolomite — medium-dark, very-coarsely crystalline; and medium-light, very-finely crystalline; minor carbonaceous and pyritiferous partings in the coarsely crystalline material.
- 250-260 Dolomite — medium-dark-gray to medium-gray; very-finely crystalline; abundant dark-gray chert containing minor dusty pyrite.
- 260-270 Dolomite — medium-gray to medium-dark-gray, very-finely crystalline; black stylonitic bands often with abundant dusty pyrite.
- 270-280 Dolomite — medium-gray, medium-crystalline; minor white dolomite patches; trace pyrite.

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- 280-290 Dolomite — medium- to medium-dark-gray, medium-crystalline; minor darker, fine-grained, pyritiferous fragment.
- 290-300 Dolomite — light-gray with interbedded, patchy medium dark-gray; the darker vein like areas usually pyritiferous, however, the larger dark pieces contain no observable pyrite; minor white dolomite patches.
- 300-310 As above — less dark material.
- 310-320 Dolomite — medium-gray, very-fine- to medium-crystalline; minor white patches; black styolites.
- 320-330 Dolomite — medium-dark-gray, finely crystalline, minor white dolomite veins and patches.
- 330-340 As above.
- 340-350 As above — slightly darker, minor coarsely-crystalline dolomite.
- 350-360 Dolomite — dark-gray, finely-crystalline, minor white, vein dolomite.
- 360-370 Dolomite — medium-gray; medium- to finely-crystalline; minor white vein dolomite, some with black pyritic edges.
- 370-380 As above.
- 380-390 Dolomite — medium-dark-gray, very-fine- to medium-crystalline; minor white vein dolomite.
- 390-400 Dolomite — dark-gray, medium-crystalline, trace calcite and pyrite; minor white vein dolomite.
- 400-410 Dolomite — medium-gray, very-fine- to fine-crystalline; minor vein dolomite, minor disseminated pyrite, dark-gray, translucent chert.
- 410-420 Dolomite — medium-dark-gray, fine- to medium-crystalline; minor veins and vugs white dolomite; minor pyrite, disseminated and in tiny argillaceous seams; trace coarsely crystalline dolomite.
- 420-430 As above — slightly coarser; trace medium-gray, translucent chert.
- 430-440 As above — minor vein dolomite.
- 440-450 As above — minor rounded, frosted, coarse sand.

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- 450-460 Dolomite — medium- to medium-dark-gray, medium-fine-crystalline; minor dark-gray, opaque chert with disseminated pyrite and scattered rhombohedrons of dolomite.
- 460-470 Dolomite — medium-dark-gray, fine- to coarse-crystalline; minor dark-gray, cherty dolomite; minor pyrite; a few fragments are pale-tan and calcareous.
- 470-480 Dolomite — medium-gray, finely-crystalline; minor cloudy, medium-gray chert.
- 480-490 Dolomite — medium-light- to medium-gray, finely-crystalline; minor medium gray chert.
- 490-500 Dolomite — medium-gray, very-fine crystalline; trace pyrite, chert and vein dolomite.
- 500-510 As above.
- 510-520 As above — slightly more chert.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-14	No sample	
14-520	Beekmantown Formation	Ordovician

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
July 2, 1965