

INTERVAL SHEET

WWCR 10

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VDMR Well No.: Well No. 946

Date 2-6-64

Sample Interval: from 0 to 621

PROP: Bethel Academy Subdivision #2

Total depth 621

COMP: H. F. Leazer

Oil Gas Water Exploratory

COUNTY: Fauquier

Cuttings Core Other

(Warrenton)

Washed samples only

VDMR WELL NO: W-946

From-To	From-To	From-To	From-To
-	-	0 - 10	300- 310
-	-	10 - 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	520- 530
-	-	230 - 240	530- 540
-	-	240 - 250	540- 552
-	-	250 - 260	552- 562
-	-	260 - 270	562- 572
-	-	270 - 280	572- 582
-	-	280 - 290	582- 592
-	-	290 - 300	592-602

602-612
612-621

OWNER: Bethel Academy Sub. #2
DRILLER: H. F. Leazer
COUNTY: Fauquier (Warrenton)

VDMR #946
WWCR #10
TOTAL DEPTH 621'

GEOLOGIC LOG

0-10	Chlorite Schist: weathered to light yellow-brown clay in part; vein quartz, clear to smoky yellow.
10-20	As above
20-30	As above
30-40	Chlorite Schist: partly weathered to greenish gray clay, laths of unaltered pyroxene in chlorite matrix, 10% clear vein quartz (top of bedrock in this interval).
40-50	As above
50-60	As above
60-70	As above
70-80	Chlorite Schist: 20% weathered material.
80-90	Chlorite Schist: dark green to black pyroxene laths, calcite - filled vugs.
90-100	Chlorite Schist: fine grained, quartzose, with calcite and/or epidote vugs, trace of vein quartz.
100-110	As above
110-120	As above (becoming more quartzose)
120-130	As above
130-140	Chlorite Schist: trace of disseminated pyrite.
140-150	As above
150-160	As above (with fine veinlets of quartz, calcite, epidote, and pyrite).
160-170	Chlorite Schist: With 10-15% epidote.

170-180	Chlorite Schist: with 2-5% epidote.
180-190	As above
190-200	As above
200-210	As above
210-220	As above
220-230	As above
230-240	As above
240-250	As above
250-260	Chlorite Schist: with 5-10% epidote in veinlets.
260-270	Chlorite Schist: with 2-5% epidote and 1% calcite in vugs.
270-280	Chlorite Schist: little epidote.
280-290	Chlorite Schist: 15-20% epidote.
290-300	Chlorite Schist: 2-5% epidote, trace crystalline calcite.
300-310	As above
310-320	As above
320-330	As above
330-340	As above
340-350	As above
350-360	Chlorite Schist: with disseminated traces of pyrite.
360-370	Chlorite Schist: 5% epidote and calcite in veinlets, trace of pyrite.
370-380	As above
380-390	Chlorite Schist: some vein quartz and trace of euhedral calcite.
390-400	As above but with decrease in vein quartz.
400-410	Chlorite Schist: traces of epidote, calcite, and quartz.

410-420	As above
420-430	Quartzose chlorite schist.
430-440	As above
440-450	As above
450-460	As above
460-470	Quartzose chlorite schist, 20% epidote in vein fillings, trace of euhedral magnetite.
470-480	Chlorite Schist: some epidote, traces of pyrite and calcite.
480-490	As above
490-500	As above
500-510	As above
510-520	As above
520-530	As above
530-540	As above
540-552	As above
552-562	As above
562-572	As above
572-582	As above
582-592	As above
592-602	As above
602-612	As above
612-621	As above

GEOLOGIC SUMMARY

<u>ROCK UNIT</u>	<u>AGE</u>
Catoctin formation	Early Cambrian

Virginia Division of Mineral Resources
T. M. Gathright, Geologist
June 22, 1964