

INTERVAL SHEET

Page 1 of 1

WWCR: 586  
VDMR Well No: 2258

Date rec'd: 10/17/68

Sample Interval: from 0 to: 430'

PROP: Bill Rolston

Number of samples: 43

COMP: Virginia Well Drilling Co., Inc.

Total Depth: 445'

COUNTY: Rockingham (Mt. Clinton)

Oil or Gas: Water: X Exploratory:

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	-	-	-
140 - 150	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-
250 - 260	-	-	-
260 - 270	-	-	-
270 - 280	-	-	-
280 - 290	-	-	-
290 - 300	-	-	-

Unwashed Only.

OWNER: Bill Rolston  
DRILLER: Virginia Well Drilling Co., Inc.  
COUNTY: Rockingham (Mt. Clinton)

VDMR: 2258  
WWCR: 586  
TOTAL DEPTH: 445'

GEOLOGIC LOG

Depth in feet

0-10	Limestone -- very dark-gray to black; very fine-grained, slightly-carbonaceous; sub-concoidal to platy fracture surfaces; traces of vein calcite and very-fine-grained pyrite
10-20	"
20-30	"
30-40	"
40-50	"
50-60	"
60-70	"
70-80	"
80-90	"
90-100	"
100-110	" with small amount of light-gray, calcareous clay
110-120	"
120-130	"
130-140	" with small amount of light-gray dolomite
140-150	"
150-160	"
160-170	"
170-180	"
180-190	"
190-200	"

OWNER: Bill Rolston

#2258

200-210	Limestone — very dark-gray to black; very fine-grained, slightly-carbonaceous; sub-concoidal to platy fracture surfaces; traces of vein calcite and very-fine-grained pyrite
210-220	"
220-230	"
230-240	" with large amount of white, fine-grained limestone
240-250	"
250-260	"
260-270	"
270-280	"
280-290	"
290-300	"
300-310	" with large amount of white, fine-grained limestone
310-320	Limestone — light-gray; very-fine-grained; minor amount of black limestone
320-330	"
330-340	Limestone — very dark-gray; very-fine-grained; minor amount of medium-gray, fine-grained limestone
340-350	Limestone — medium-gray; very-fine-grained; minor amounts of vein calcite and black limestone
350-360	Limestone — dark-gray; very-fine-grained; trace of vein calcite
360-370	" with minor amount of light-gray limestone
370-380	"
380-390	"

OWNER: Bill Rolston

#2258

390-400	Limestone — dark gray; very-fine-grained; trace of vein calcite
400-410	"
410-420	"
420-430	"
430-445	No samples

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-430'	Edinburg Formation	Middle Ordovician
430-445'	No samples	—

Virginia Division of Mineral Resources  
Thomas M. Gathright, Geologist  
October 21, 1968

OWNER: SPENCER LUMBER Co. 1  
DRILLER:  
COUNTY: SUSSEX Tiefke's log in 0 & G file

W# 2253  
C#  
TOTAL DEPTH - 883'  
QUAD -  
ELEV. -

WELL LOG

DEPTH  
(FEET)

0-20

SAND

GRAYISH ORANGE (104R 7/4);  
MEDIUM TO COARSE, SUBROUNDED,  
WELL SORTED; VERY POOR PHOSPHATE  
FRAGMENTS - TO 10% FINE; MICA.

20-50

SAND

GRAYISH ORANGE (104R 7/4);  
MEDIUM TO VERY COARSE,  
SUBROUNDED, MODERATELY  
WELL SORTED WITH MODERATE  
AT 40-50'; FEW GRANULES  
AT 40-50'; 10% PHOSPHATE  
FRAGMENTS WITH POOR AT 40-50';  
MICA; FELDSPAR; IRON OXIDE  
STAINS; ROSE QUARTZ AT 40-50'.

50-60

SAND

PALE YELLOWISH BROWN  
(104R 6/3). MODERATE CLAY  
VERY FINE TO VERY COARSE,  
SUBANGULAR AND SUB-  
ROUNDED, POORLY SORTED;  
5% PHOSPHATE FRAGMENTS/  
GLAUCONITE; 3% SHELL FRAGMENT  
MICA; HEMATITE FRAGMENTS.

60-70

NO SAMPLE

70-80

SAND

YELLOW AND WHITE; VERY  
SPARSE CLAY; VERY FINE TO  
SMALL GRANULES SUBANGULAR  
AND SUBROUNDED, POORLY SORTED;  
3% PHOSPHATE FRAGMENTS/GLAUCO-  
NITE; 5% SHELL FRAGMENTS;  
MICA; HEMATITE FRAGMENTS.

- 70-90 SAND, Shelly  
 LIGHT AND DARK GRAY; 50% SHELL FRAGMENTS; FINE TO MEDIUM, SUBANGULAR, MODERATELY WELL SORTED  
 40% GLAUCONITE; BRYOZOA MEMBRANE FRAGMENTS.
- 90-95 No Sample
- 95-120 SAND  
 LIGHT OLIVE GRAY (S<sub>y</sub> 6/1); MEDIUM WITH SOME COARSE GRAINS; SUBANGULAR, WELL SORTED; 38 GLAUCONITE WITH 1% AT 115-120'; 15% FINE SHELL FRAGMENTS WITH 5% AT 110-115' AND 1% AT 115-120'; CHAMA AT 115-120'; ACHNO-  
DERM FOUNDS.
- 120-25 SAND, Shelly  
 LIGHT AND DARK GRAY; 85% REWORKED SHELL FRAGMENTS; FINE TO COARSE, SUBANGULAR, POORLY SORTED; 1% GLAUCONITE;
- 125-20 SAND  
 LIGHT OLIVE GRAY (S<sub>y</sub> 6/2). FINE TO COARSE WITH MOSTLY MEDIUM GRAINS, SUBANGULAR, MODERATELY WELL SORTED; 3% GLAUCONITE/PHOSPHATE FRAGMENTS - FINE; 3% SHELL FRAGMENTS; MICA.
- 130-135 SAND  
 LIGHT AND DARK BROWN;

Very Sparse Clay; Fine to  
Coarse, Subangular to  
Subrounded, Poorly Sorted;  
3%+ Glauconite/Phosphate  
Fragments; 25% Shell Frag-  
ments; Shark Tooth; Iron Oxide

135-60 SAND

Pale Yellow Brown (10yr 6/3)  
Sparse Clay with moderate  
at 140-45'; Fine to Very  
Coarse, Subangular and Sub-  
rounded, Moderate Sorting;  
5% Glauconite; Shell Frag-  
ments - 15% at 135-40'; 20%  
at 140-50' and 10% at 150-60';  
Corbula, Molina; Shark Tooth  
Coquina fragments cemented  
onto some shell fragments;  
Hematite; Feldspar.

160-70 SAND

Light and Dark Gray;  
Occasional clasts of clay;  
Fine to coarse, subround-  
ed, moderately well sorted;  
35% Glauconite; Bone frag-  
ments; 10% fine shell frag-  
ments; Forams - Nonions,  
Textularia, Eponides,  
Pleuronomella; Mica.

170-185 SAND, Glauconitic

Blue Black (5y 2/2); 90%  
Glauconite - Green, some  
weathered; Fine to coarse,  
with some very coarse,  
subrounded, moderate

Sorting; 3% shell fragments  
at 180-85' Coquina fragments  
and 10% large shell frag-  
ments.

185-90 SAND, GLAUCONITE LIGHT AND DARK GREEN.  
85% GLAUCONITE - GREEN AND  
BROWN, MEDIUM TO VERY COARSE,  
MEDIUM TO GRANULAR, SUB-  
ROUNDED, POORLY SORTED;  
3% SHELL FRAGMENTS; SHARK  
TOOTH; COQUINA FRAGMENTS;  
CALCITE CRYSTALS ON FRAG-  
MENTS.

190-200 SAND, GLAUCONITE - DUSKY YELLOW GREEN  
(10 GY 2/2); 78% GLAUCONITE;  
MEDIUM TO COARSE, SUB-  
ROUNDED, POORLY SORTED;  
3% RARE SHELL FRAGMENTS

200-220 GRAVEL LIGHT OLIVE GRAY (5Y 6/1);  
MODERATE CLAY AT 210-20';  
FINE TO GRANULAR, SUB-  
ANGULAR, POORLY SORTED;  
25% GLAUCONITE; 5% LARGE  
SHELL FRAGMENTS; COQUINA  
FRAGMENTS. ABUNDANT AT  
210-20'; GARNET, FELDSPAR,  
IRON OXIDE.

220-30 SAND YELLOWISH GRAY (5Y 7/2).  
ABUNDANT CLAY <sup>in small clasts.</sup> VERY  
FINE TO VERY COARSE,



SUBANGULAR, MODERATE  
SORTING. 10% CLAUDE  
RARE SHELL FRAGMENTS,  
COQUINA FRAGMENTS,  
IRON OXIDE CEMENTED  
SANDSTONE FRAGMENTS

230-45 GRAVEL

Yellowish Gray (5y 7/2)  
Coarse to moderate  
clay; very fine to granule  
and pebbles at 245';  
angular to subangular  
at 230-40' and subround  
ed to rounded at 245'; poor  
sorting; 5% ± CLAUDE;  
MIC. Rock fragments.

(yes!)

240-50 GRAVEL

Yellow Gray (5y 7/2)  
Moderate clay; 4 mm.  
pebbles and some smaller  
grains, subrounded to  
round, moderate sorting;  
Coquina fragments;  
Rose, Smoky Quartz.

250-70 GRAVEL

Light Olive Gray (5y 6/1)  
Few clasts of clay; fine  
to granule, subround,  
moderate sorting; Rose  
Quartz; Garnet; Feldspar.

270-300 SAND

Light Olive Gray (5y 6/2)  
Moderate clay at 280-  
290' and coarse at 270-300';

Fine to Coarse, Subrounded, Moderate Sorting; Azurite staining and secondary crystallization on grains, <sup>at 290-300'</sup> Iron Oxide 280-300'; Smokey Quartz; Rose Quartz. 280-300'; Garnet; Feldspar.

300-30 SAND

Pale Yellowish Gray (Sy 7/2). Sparse Clay at 300-310, then Very Sparse, Fine to Coarse at 300-310, then Medium to Very Coarse, few Gravel; Subangular, Moderate Sorting; Mica; Garnet, Feldspar; Smokey Quartz at 300-310.

330-40 GRAVEL

Mixed Coarses, Medium to Pebble, Subrounded, Poor Sorting; Rose Quartz; Feldspar.

340-390 SAND

Grayish Yellow (Sy 7/2). Sparse Clay at 350-60, then Very Sparse; Fine to Very Coarse, Subrounded, Moderate Sorting; Mica; Rose Quartz; Garnet at 340-50'; Feldspar.

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390-400 Arkose Sand

Light Brownish Gray (Sy R 6/1).

OCCASIONAL CLASTS OF CLAY  
VERY FINE TO GRANULE  
WITH MOSTLY ~~SMALLER~~  
VERY FINE GRAINS, SUB-  
ROUNDED, POORLY SORTED,  
ROSE QUARTZ, MICR,  
FELDSPAR.

400-430 SAND

LIGHT AND DARK YELLOW;  
MEDIUM TO VERY COARSE,  
SUBANGULAR, MODERATE  
SORTING; 20% GLAUCONITE  
AT 400-410' AND FEW  
THEREAFTER; IRON OXIDE  
STAINING; FELDSPAR.

430-450 SAND

LIGHT AND DARK YELLOW.  
MEDIUM TO GRANULE,  
SUBANGULAR AND SUB-  
ROUNDED, MODERATE  
SORTING; RARE GLAUCO-  
NITE; IRON OXIDE STAIN-  
ING; FELDSPAR.

450-490 SAND

YELLOW GRAY (BY 7/2);  
FINE TO VERY COARSE, SUB-  
ROUNDED, MODERATE  
SORTING; VERY RARE  
GLAUCONITE; IRON  
OXIDE STAINING AT 450-  
460'; ROSE QUARTZ;  
GARNET; FELDSPAR.

490-580 SAND

Yellow Gray (Sy 7/2)  
Occasional Cherts at  
540-50'; Fine to Granular  
Subrounded, Moderate  
Sorting; Iron oxide  
staining at 500-580';  
Rose Quartz; Garnet  
at 540-520'; Feldspar

580-600 SAND

Yellow Gray (Sy 7/2);  
Occasional Cherts;  
Fine to Very Coarse  
Subangular and Subround-  
ed, Moderate Sorting;  
Rose Quartz at 580-90';  
Garnet; Feldspar.

600-670 SAND

Yellow Gray (Sy 7/2);  
Occasional Clay Cherts  
at 600 to 640'; Fine  
to Granular, Subangu-  
lar and Subrounded,  
Moderate Sorting;  
Rose Quartz; Garnet;  
Feldspar (Dark Gray).

670-750 SAND

Light Olive Gray (Sy  
7/1); Medium to Very  
Coarse with Granules  
at 670-690'; Subangu-  
lar and Subrounded;  
Moderate Sorting;  
Rose Quartz 670-690';  
Garnet; Feldspar.

750-60 GRAVEL

MIXED COLORS;  
SMALL PEBBLES,  
ROUNDED, MODERATE  
SORTING; ROSE  
QUARTZ; FELDSPAR.

760-80 GRAVEL

MIXED COLORS.  
SMALL PEBBLES,  
ROUNDED, MODERATE  
TO POOR SORTING;  
⊗ FRAGMENTS OF  
QUARTZ-MICA SCHIST;  
ROSE QUARTZ; FELDSPAR.

780-~~90~~ BASEMENT-

-846 QUARTZ-MICA SCHIST AND  
CONTAMINATION FROM ABOVE.

846-883 (BASE ROCK ONLY)<sup>2</sup> QUARTZ-MICA  
SCHIST.

Jerry G.  
J. R. Polgen  
Mar 1981

Location:  
Dillon  
County

WIT 2253  
CWA  
TOTAL DEPTH - 883'  
DRAIN -  
ELEV. -

0-10	SAND		GROR	104R 7/4	M-C	SR	well	few Rhf			
10-20	"			"	"	"	"	1/8" Rhf	few	Mica	
20-30	"			"	M-UC	"	mod well	"	"	feld, feld, stau	
30-40	"			"	"	"	"	"	"	"	
40-50	"			"	"	"	MOD	few	"	"	Poros
50-60	SAND	M. CLAY	P. 4.0 B1	104R 6/3	UF-UC	SA-SR	Poor	52 Rhf	38 Sff	Mica, Remate fossils	
60-70	NS										
70-80	"	1/50"		feldsch	"	"	"	52"	52"	"	
80-90	Sand Shelly	50% Sff		L+DG	F-M	SA	mod well	40% GL		Brugg	
90-100	NS										
100-107	SAND			LOG G/1	"	"	well	38	15% fine sff	Schf	
107-108	"			"	"	"	"	"	"	"	
108-110	"			"	"	"	"	"	"	"	
110-115	"			"	"	"	"	"	5		
115-120	"			"	"	"	"	1%		18-CLAYNA	
120-25	S, Shelly	Revised 55% Sff		L+DG	F-C	"	Poor	"			
125-30	SAND			LOG G/2	F-M-C	"	mod well	32% Rhf	38 Sff	Mica	
130-35	"	1/50"		L+D B1	F-G	SA-SR	Poor	"	25%	sh. tooth	feld st.
35-40	"	Sp	P. 4.0 B1	104R 6/3	F-UC	"	MOD	5% GL	15%	"	Mica,
40-45	"	MOD		"	"	"	"	"	"	20" corals,	"
45-50	"	"		"	"	"	"	"	"	Mohura, sh. tooth, Remate fossils	"
50-60	"	"		"	"	"	"	"	"	10% Coa cemented on, some sff	"
60-70	SAND			L+DG	F-C	SR	MOD well	35% GL	10% F Sff	F-NOXON, TEXT. R-PON-SS	MICA
70-80	"		G, Some B1	CH BK 5/2	"	UC	MOD		38% Sff		

185	NS ABOVE OF	Coag Frag + 10% of Sfr											
85-90	SAND, CO	85% CO G1, B1, M-UC	h+D G1/2	M-G	SR	Poor		32 Sfr	Sh took	Coag frag	calculated on base		
190-205	S, CO	98% CO Dusky yellow	10G 1/2	M-C	u	u		few					
200-10	Gravel	MOD CO	10G 1/2	F-G	SR	Poor	25% CO	5% Sfr	Coag frag	fine	feld		
10-20	"	MOD CO											
20-30	SAND	Chy clay 50% clasts	1/2 G	VE-UC	u	MOD	10% CO	few Sfr		feld	com. SS		
30-40	Gravel												
45-40	SAND	MOD u											
40-50	Gravel			4mm P	SR-R	MOD				Coag frag	Rare + Sm. Str.		
50-60	Gravel		10G 1/2	F-G	SR	MOD					Rare Str, Gravel	feld	
60-70	"												
70-80	SAND	MOD CO											
80-90	"												
90-100	"												
300-10	SAND		pyd G 50% 1/2										
310-20	"												
20-30	"												
30-40	Gravel												
40-50	SAND												
50-60	"												
60-70	"												
70-80	"												
80-90	"												

Aggregating, XHS?

Mica  
Bar, feld







Bulls. Bull 52

Analysis  
Mantling Sh

1930  
2x State Scale  
(no topo)