OWNER:	John Horsley (Ashby Heights #3)
DRILLER:	C. R. Moore
COUNTY:	Rockingham (Harrisonburg)

GEOLOGIC LOG

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0-48	No sample	
48-50	Dolomite -	light to dark gray, hard, no apparent fossil content, no apparent bedding, very fine-crystalline with; abundant calcite, and common iron oxide staining.
50-60	Dolomite -	shaly, light to dark gray, hard, no apparent fossil content, platy, micro- crystalline with; common calcite veinlets, and common iron oxide staining.
60-70	Dolomite -	dark gray, hard, no apparent bedding, very fine-crystalline with; rare calcite, and rare iron oxide staining.
70-80	As above	,
80-90	As above -	with common argillaceous streaks.
90-100	As above	
100-110	Dolomite -	dark gray, light brown, hard, no apparent bedding to platy, cryptocrystalline to microcrystalline with; common pyrite, abundant calcite veins, and rare iron oxide staining.
110-120	As above -	with a few pieces containing rounded nodules of calcite.
120-130	Dolomite -	dark gray, hard, no apparent bedding, very fine-crystalline with; abundant calcite veins and nodules, and rare iron oxide staining.
130-140	As above	
140-150	As above	
150-160	Interbedded	d dolomite - light to dark gray, hard no apparent bedding, very fine-crystalline with; common calcite veins, and rare iron oxide staining. Siltstone - dolomitic, tan and maroon, moderately hard, tough, no apparent bedding, siliceous and dolomitic, rare muscovite with; abundant iron oxide stains.

OWNER:	John Horsley	(Ashby Heights	#3) - continued	#870
160-170		As above		
170-180		Dolomite -	 slightly calcareous, light to gray, hard, no apparent beddi fine-crystalline with; rare of and common iron oxide stainin X-ray diffraction (calcite 15 5%, dolomite 75%, potash felo) dark ing, very salcite, ng, and 5%, quartz ispar 5%).
180-190		As above -	with common calcite veins and showing excellent cleavage.	l fragments
190-200		Interbedde	ed Dolomite - as above with; Do light brown, hard, no apparer cryptocrystalline with; abunc oxide staining.	olomite, it bedding, lant iron
200-210		Dolomite -	slightly calcareous, light to gray, hard, no apparent beddi fine-crystalline with; common veins, and common iron oxide) dark ing, very) calcite staining.
210-220		Dolomite -	 as above, with abundant calca and abundant fragments of cal showing excellent cleavage. 	ite veins Lcite
220-230		As above		
230-240		As above		
240-250		As above		
250-260		Interbedde	ed Dolomite - as above, with; I calcareous, light brown, mode hard, no apparent bedding, cr crystalline with; abundant in staining.)olomite, >rately cypto- ron oxide
260-270		As above		
270-280		As above		
280-290		As above		
290-300		As above		~
300-310		As above		
310-320		As above		
320-330		Dolomite -	slightly calcareous, light to gray, hard, no apparent bedd microcrystalline to very find with; abundant calcite veins, iron oxide staining.) dark ing, e-crystalline , and rare

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Ċ.	490-500		Dolomite -	dark gray, hard, no apparent bedding, very fine-crystallin common calcite veins, and ran oxide staining, and stringers Dolomite, as above.	ne with; re iron s of;
	500-510		Interbedde	d Lithologies - as above, with chert, yellow-brown.	h;
	510-520		As above		、 、
	520-530		Dolomite -	"sugary", light gray, hard, m apparent bedding, cryptocrys with; rare calcite fragments abundant iron oxide staining	no talline , and
	530-540		As above		
	540 - 550		As above		
	550-560		Dolomite -	light to dark gray, moderate no apparent bedding, cryptoc to microcrystalline with; con calcite fragments, and abund oxide staining.	ly hard, rystalline mmon ant iron
()	560-570		Dolomite -	as above, with stringers of y brown chert.	yellow-
	570-580		As above		
	580~590		As above		
	590-600		Dolomite -	light to dark gray, hard, no bedding, very fine-crystallin abundant calcite veinlets, an iron oxide staining.	apparent ne with; nd rare
	600-610		As above		
	610-620		As above		
	620-630		As above		
	630-640		Dolomite -	light gray, hard, no apparen cryptocrystalline to microcr with; abundant chert, and con carbonaceous material and abu iron oxide staining.	t bedding, ystalline mmon undant
\bigcirc	640-650		Dolomite -	light to dark gray, moderate no apparent bedding, very fi crystalline with; common che abundant calcite, rare carbo material and rare iron oxide and sample finely ground.	ely hard, ne- ert, onaceous e staining,

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-	OWNER:	John Horsley (As	hby Heights	#3) - continued #870	
	330-340		As above		
	340-350		As above		
	350-360		As above		
	360-370		As above		
	370-372		No samples	5	
	372-375		Lithology	as in 320-330	
	375-380		Dolomite -	 light gray to light brown, moderately hard, no apparent bedding, crypto- crystalline with; common calcite veins, and abundant iron oxide staini 	' Ing.
	380-390		Interbedde	d Dolomite - as above, with; chert, yellow-brown.	
	390-400		As above		
\bigcirc	400-410		Dolomite -	 light to dark gray, moderately hard, no apparent bedding, microcrystalline to very fine-crystalline with; abunda calcite nodules and veins and common iron oxide staining. 	, int
	410-420		As above		
	420 - 430		Interbedde	d Dolomite - as above, with; chert, yellow-brown.	
	430-440		Dolomite -	light to dark gray, light to dark brown, moderately hard, no apparent bedding, microcrystalline with; commo chert fragments, abundant calcite and abundant iron oxide staining.	n l
	440-450		As above		
	450-460		As above		
	460-470		As above		
	470-480		As above		
	480-490		Dolomite -	"sugary", light gray, hard, no apparent bedding, cryptocrystalline with; abundant iron oxide staining.	

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OWNER:	John Horsley	(Ashby Heights	#3) - continued	#870
650-660		As above		
660-670		As above		
670-680		As above		
680 - 690		As above		
690-700		As above		
700-710		As above		
710-720		As above		
720-730		As above		
730-740		As above		
740-750		As above		
750-760		Interbedd	ed Dolomite - light to no apparent bedding, with; common chert, a and rare iron oxide s "sugary", light brown bedding, cryptocrysta chert, and abundant i	dark gray, hard, very fine-crystalline bundant calcite, taining. Dolomite - , hard, no apparent lline with; rare ron oxide staining.
760-770		Dolomite	 light to dark gray, m no apparent bedding, n with; common calcite iron oxide staining. 	oderately hard, microcrystalline veins, and abundant
770-780		As above		
		GEOLOGI	C SUMMARY	
	AGE		ROCK	UNIT
	Ordovician		Beekmantow	n formation
		Virgini	a Division of Mineral R	esources

John M. Wilson - Geòlogist September 5, 1963

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