### INTERVAL SHEET

Page	1	VDMR Well No	735 WWCR # 414	
Datel	0/17/62	Sample Inter	val: from 0 to 315	_
PROP:A.	R. Bentch #2 (Sunnyside Subdi			
COMP: Sy	dnor	OilGas_	Water <u>x</u> Exploratory_	
COUNTY:	Rockingham (Harrisonburg)	Cuttingsx	CoreOther	
From-To	From-To	From-To	From-To	From-To
_	0 - 15	-	Insufficient quantity	-
	15 - 30	-	of material to wash	_
_	30 - 45	-		-
_	No sample	-	-	-
	50 - 65		<del></del>	
	65 - 80	-	-	-
	80 <b>-</b> 95 95 <b>-</b> 110	<del>-</del>	_	· — ·
2 <del>-</del>	110 - 125	-	-	
-	125 - 140	_	_	_
	123 140			
-	140 - 155	= 4	<u>.</u>	i=
-	155 - 170	=	=	-
· <del>-</del> ·	170 - 185	-	-	· -
-	180 - 200	-	-	n-1
g	200 - 215	-	-	
_	215 - 230	_	_	_
-	230 - 245	_	-	_
_	245 - 260	_	_	2-2
-	260 - 275	<u>-</u>	_	
<b>**</b>	275 - 290	<del>-</del>	H	-
	290 - 305		_	
-	305 - 315	_	_	_
-	315 - 318 no sample	_		
_	(3-grab samples)	_	<u>~</u>	_
*	,- ,- ,-	-		-
_	_	_	_	
_	_	_		
0-	-	_	-	_
0-	_	_	_	_
		1931	285	

OWNER: Sunnyside Subdivision (A. R. Bentch#2)

DRILLER: Sydnor Pump & Well Co., Inc.

COUNTY: Rockingham (Harrisonburg)

VDMR # 735 WWCR# 414

TOTAL DEPTH: 318

# SAMPLE DESCRIPTION (washed samples)

#### Mosheim limestone (0-110)

0-15	Limestone - light gray, hard, dense, fine grained, highly calcareous, heavy trace of calcite vein material and fine siltstone, trace of brown weathered limestone (Top of bedrock in this interval)
15-30	Limestone - light gray, hard, dense, fine grained, highly calcareous, 1% yellow fine grained sandstone and siltstone, trace of manganese oxide in form of dendrites on the sandstone and siltstone, slight trace of weathering (X-ray analysis: 90% limestone, 8% quartz)
30-45	Limestone - light gray, hard, dense, fine grained, highly calcareous, silty, trace of calcite vein material and weathered limestone
45-50	No sample
50-65	Limestone - light gray, hard, dense, very fine grained, highly calcareous, trace of calcite vein material and weathered limestone (X-ray analysis: 90% limestone, 8% quartz)
65-80	As above
80-95	Limestone - light gray, hard, dense, very fine grained, highly calcareous, heavy trace of calcite vein material, trace of pyrite
95-110	Limestone - light gray, hard, dense, fine grained, highly calcareous, trace of calcite vein material (X-ray analysis: 95% limestone, 4% quartz)

#### Beekmantown formation (110-315)

Limestone - light gray, hard, dense, fine grained, calcareous, trace of calcite vein material (X-ray analysis: 75% calcite, 15% dolomite, 8% quartz)

125-140	As above
140-155	Limestone - light gray, hard, dense, very fine grained, highly calcareous, trace of calcite vein material
155-170	Limestone - light gray, hard, dense, fine grained, highly calcareous, trace of calcite vein material, slight trace of weathered limestone (X-ray analysis: 70% limestone, 20% dolomite, 8% quartz)
170-185	Limestone - light gray, hard, dense, fine grained, highly calcareous, trace of calcite vein material, heavy trace of weathered limestone
185-200	Limestone - light gray, hard, dense, fine grained, highly calcareous, slight trace of weathered limestone
200-215	Limestone - light gray, hard, dense, fine grained, highly calcareous, trace of calcite vein material
215-230	Limestone - dark gray, hard, dense, fine grained, highly calcareous, trace of calcite vein material and weathered limestone
230-245	Limestone - light gray, hard, dense, fine grained, highly calcareous, trace of yellow, fine grained, calcareous, siltstone
245-260	Limestone - light gray, hard, dense, fine grained, highly calcareous, silty, trace of calcite vein material
260-275	Limestone and chert - gray to yellow, hard, dense, fine grained, highly oxidized
275-290	As above
290-305	Limestone - light gray, hard, dense, fine grained, highly calcareous, trace of calcite vein material and chert
305-315	Limestone - light gray, hard, dense, fine grained, highly calcareous, trace of highly weathered limestone

#735

OWNER: Sunnyside Subdivision (A. R. Bentch) continued

315-318

No sample

#### GEOLOGIC SUMMARY

## AGE FORMATION OR UNIT

0-110 Lower middle Ordovician 110-318 Upper lower Ordovician Mosheim limestone Beekmantown formation

Virginia Division of Mineral Resources Merrick S. Whitfield - Geologist November 13, 1962