INTERVAL SHEET

Page	1	VDMR Well No.: Well No. 1242	WWCR 80
Date	2/1/65	Sample Interval: from 0	to260
PROP:	Rainbow Forest #4	Total depth 260	
COMP:	Falwell	OilGasWater_X_Explora	atory
COUNTY:	Botetourt (Troutville)	Cuttings_X_CoreOther_	
VDMR V	Well No: W-1242	Washed samples	
From-To		From-To From-To	From-To
			1
-		0 - 10 -	-
-	-	10 - 20 -	-
	-	20 - 30 -	-
-		30 40	-
-	-	40 50 -	-
		50_60	
		60 - 70 -	_
_	-	70 - 80 -	_
-	-	80 - 90 -	-
-	-	90 - 100 -	· — .
-		100 -110 -	
-		110 - 120 -	-
-	· · · · · · · · · · · · · · · · · · ·	120 - 130 -	-
-		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 -	
	-	400 = 400 ···	-
-			-
_			-
5.50°			

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OWNER: Rainbow Forest DevelopmentVDMR #1242(Rainbow Forest Well #4)WWCR #80DRILLER: Falwell Well Corporation (J. L. EagleTOTAL DEPTH: 260'COUNTY: Botetourt (Troutville)TOTAL DEPTH: 260'

## GEOLOGIC LOG

Blue Ridge Fault Breccia (0-200')

0 - 10Breccia - yellow-brown; large light-gray, fine-grained dolomite and greenish-gray shale fragments; rounded sandand fine-pebble-sized dolomite, shale and yellow-brown siltstone in a porous, coarsely crystalline calcite matrix. 10-20 As above — lighter color; no dolomite; abundant light-gray limestone. 20-30 As above - no limestone; with medium-gray dolomite. 30-40 As above - more shale; dolomite is porous, friable and composed of tiny crystals. 40-50 As above. 50-60 Dolomite Breccia - medium-gray, fine-grained, angular dolomite, minor rounded fragments green-gray shale; cement: yellow-brown, porous crystal aggregates of calcite and quartz; much of the dolomite is porous and siliceous and some appears to be skeletal cement once containing oolites and fragments of limestone. 60-70 As above. 70-80 As above. 80-90 As above — with pale-yellow-brown calcareous siltstone and mudstone fragments. 90-100 As above - shale sand-size only. 100-110 Dolomite Breccia - light-gray to medium-gray; fine-grained, porous and friable in part, siliceous; cement: sugary aggregate of calcite and quartz crystals (0.25-0.5 mm); minor greenshale and yellow-siltstone in the breccia cement. 110-120 As above. 120-130 As above. As above. 130-140 140-150 As above.

- 150-160 Dolomite Breccia medium-gray to pale-green; finely crystallized, porous; cement: pale-yellow, crystallized and sugary including small rounded fragments of siltstone and shale.
- 160-170 As above.

170-180 As above — shale pebbles to 10 mm.

- 180-190 As above more cement.
- 190-200 As above some cement white to light-gray with trace pyrite.

Elbrook Formation (200-260')

- 200-210 Limestone light-gray to medium-dark-gray; very-finelycrystalline, minor porous portions; slightly argillaceous in part; veins of white and colorless, massive and crystallized calcite and quartz; limestone occasionally shows fine bedding and styolites with trace of pyrite.
- 210-220 As above minor brown stain, trace mica.
- 220-230 As above minor siliceous skeletal limestone.
- 230-240 As above.
- 240-250 Dolomite medium-light-brownish-gray; finely crystallized, porous in part, thinly bedded; minor white veins calcite and quartz.
- 250-260 As above.

## GEOLOGIC SUMMARY

## ROCK UNIT

## TIME ROCK UNIT

0-200	Blue Ridge Fault Breccia	
	(mostly Elbrook ?)	?
200-260	Elbrook Formation	Cambrian

Virginia Division of Mineral Resources Hollis N. Walker, Geologist March 26, 1965

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