INTERVAL SHEET

WWCR 142 Page_ VDMR Well No: Well No. 451 Sample Interval: from 25 to 226 12/2/65 Date PROP: Total Depth 226 Richard R. Minnick Oil___Gas__Water_X Exploratory____ COMP: Sydnor Pump & Well Co. COUNTY: Shenandoah (Mt. Jackson) Cuttings X Core Other Washed samples VDMR Well No:; 451 From-To From-To From-To From-To From-To 0 - 25 No samples -25 -54 -60 -80 -Intervals 80 to 226 feet were added 80 - 91 on 12/2/65 when well was deepened. 91 - 106 106 - 121 121 - 136 136 151 151 - 166 166 - 181 181 - 196 196 211 211 226

OWNER: Richard R. Minnick

DRILLER: Sydnor Pump and Well Co.

dusty pyrite.

COUNTY: Shenandoah (Mt. Jackson)

VDMR #451 WWCR#142 TOTAL DEPTH: 226'

GEOLOGIC LOG

0-25	No samples.
25	Oolitic Limestone — dark-gray, .75 mm-diameter oolites in a scanty white matrix, many of the oolites have siliceous centers; trace of pyrite.
54	Calcareous Siltstone to Siliceous Limestone — medium dark-gray, fine-grained, very-fine oolites in the limestone, thin-bedded.
60	Limestone — light-gray to medium-gray, sandy and oolitic, aphanogranular in part; oolites .25 to 1 mm, fine sand, abundant dusty pyrite, veins of calcite.
80	As above — very finely crystalline, oolites very distinct.
80-91	Limestone — medium dark-gray, aphanogranular to very-finely oolitic, siliceous; minor vein calcite.
91-106	Limestone — dark-gray, aphanogranular to medium-size oolites; minor vein calcite.
106-121	Dolomitic Limestone - medium dark-blue to gray, finely-crystalline, abundant dusty pyrite.
121-136	Limestone — medium dark-blue to gray, finely crystalline; minor dusty pyrite and vein calcite.
136-151	Dolomitic Limestone — dark-gray, finely crystalline to aphanogranular; minor dusty pyrite and vein calcite.
151-166	Dolomitic Limestone — medium-gray, medium-finely-crystalline, uneven texture; minor dusty pyrite and vein calcite.
166-181	Dolomite — medium-gray, medium-crystalline; uneven texture, minor vein dolomite.
181-196	As above — more vein dolomite, trace pyrite.
196-211	Dolomite — medium-gray, medium-crystalline to aphanogranular, sparse sand; minor vein dolomite; trace pyrite.
211-226	Limestone — medium dark-gray to dark-gray; finely crystalline;

OWNER: Richard R. Minnick

GEOLOGIC SUMMARY

	ROCK UNIT	TIME ROCK UNIT
0-25	No samples	
25-226	Conococheague Formation	Upper Cambrian

Virginia Division of Mineral Resources Hollis N. Walker, Geologist December 15, 1965