



OWNER: U. S. Forest Service  
DRILLER: R. L. Obenchain  
COUNTY: Craig (Francisco)

VDMR Well # 1433  
WWCR WELL # 8  
TOTAL DEPTH : 154

GEOLOGIC LOG

0-40	No Sample
40-50	Shale - medium-dark-gray, micaceous, slightly fissile, soft; minor tiny pyrite nodules, trace vein dolomite.
50-60	As above - trace euhedral vein quartz, less pyrite.
60-70	As above - no vein material; trace of minute; feathery, gypsum crystals on partings.
70-80	As above - trace slickensides.
80-90	As above - no slickensides.
90-100	Shale - medium-dark-gray, slightly fissile, micaceous; minor minute feathery gypsum crystals on partings; shiny plates of tiny pyrite crystals; trace sphalerite and euhedral quartz, chloritic slickensides.
100-110	As above - minor marcasite nodules, no sphalerite.
110-120	As above - less mica less gypsum, no slickensides, trace sphalerite.
120-130	As above - no sphalerite, trace slickensides, minor vein dolomite.
130-140	As above
140-150	Shale - medium-dark-gray, fissile, micaceous, minor marcasite nodules, thin shiny plates of pyrite crystals, vein dolomite and chloritic slickensides.
150-154	As above, with moderate amount medium gray, fine-grained calcareous sandstone.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-40	No Sample	
40-154	Brallier Shale	Upper Devonian

Virginia Division of Mineral Resources  
Hollis N. Walker, Geologist  
December 6, 1965