INTERVAL SHEET

WWCR 640 Page___l VDMR Well No: Well No. 989 Sample Interval: from 10 to 106 Date 4/17/64 Total Depth 106 PROP: Sheppard & Kenner #1 H. E. Hoppe Oil___Gas__Water_X Exploratory____ COMP: Cuttings X Core Other COUNTY: Fairfax (Langley) VDMR Well No: W-989 Washed samples only From-To From-To From-To From-To From-To 10 No sample -0 -10 -20 20 -30 30 -40 40 50 50 _ 60 60 -70 70 -80 80 -90 90 - 100 100 _ 106

OWNER: Sheppard and Kenner #1 DRILLER: Herman E. Hoppe

COUNTY: Fairfax (Langley)

VDMR #989 WWCR#640 TOTAL DEPTH: 106'

GEOLOGIC LOG

0-10	No sample.
10-20	Residual Mica Schist — light-yellow-brown; medium-grained; muscovite, quartz, minor biotite, magnetite, iron oxides and clay.
20-30	As above.
30-40	As above — more biotite.
40-50	Saprolitic Mica Schist — light-brown to light-gray, medium-grained; muscovite, quartz biotite, minor goethite (pseudomorphs after pyrite), magnetite and iron oxide stain.
50-60	As above — no goethite.
60-70	As above.
70-80	As above.
80-90	As above.
90-100	Weathered Mica Schist and Greenschist — light-brown to gray- green, medium-grained; muscovite, quartz, chlorite, amphibole, pyroxene, calcic plagioclase, epidote, magnetite and iron oxides.
100-106	Greenschist and Weathered Mica Schist — gray-green to light-brown, medium-grained; chlorite, quartz, muscovite, magnetite;

GEOLOGIC SUMMARY

minor amphibole, pyroxene, epidote, pyrite, apatite and calcite.

These samples are of weathered mica schist and greenschist. They are too finely ground to determine the relationship between the two rocks. The greenschist is found below 90 feet.

Virginia Division of Mineral Resources Hollis N. Walker, Geologist February 4, 1966