

INTERVAL SHEET

WWCR 271

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VDMR Well No.: Well No. 968

Date 3/24/64

Sample Interval: from 0 to 370

PROP: Interstate #95
Weighing Station

Total depth 372

COMP: Sydnor

Oil Gas Water Exploratory

COUNTY: Prince William

Cuttings Core Other

VDMR Well No: W-968

From-To	Washed samples - only From-To	From-To	From-To	From-To
0 - 10	300 - 310	-	-	-
10 - 20	310 - 320	-	-	-
20 - 30	320 - 330	-	-	-
30 - 40	330 - 340	-	-	-
40 - 50	340 - 350	-	-	-
50 - 60	350 - 360	-	-	-
60 - 70	360 - 370	-	-	-
70 - 80	370 - 372 No sample	-	-	-
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	-	-	-	-
260 - 270	-	-	-	-
270 - 280	-	-	-	-
280 - 290	-	-	-	-
290 - 300	-	-	-	-

OWNER: Interstate 95 Weighing Station
Luke Construction Co., Norfolk
DRILLER: Sydnor Pump & Well Co., Inc.
COUNTY: Prince William (Woodbridge)

VDMR #968
WWCR #271
TOTAL DEPTH: 372'

GEOLOGIC LOG

Overburden (0-60')

- 0-10 Sand — light-brown, gray and white, coarse-grained, angular; quartz (1/3 of quartz blue-purple gray), minor sericite, feldspar, muscovite; average grain size 2 mm; 1/2 inch fragments of rounded pebbles of quartz, quartzite and impure sandstone; sericite is in aggregates, appears to be an alteration of granitic rock.
- 10-20 As above — no large pebbles.
- 20-30 As above — a few large pebble fragments, no feldspar.
- 30-40 As above — no large pebble fragments, no sericite aggregates.
- 40-50 Sand — tan and purple-gray; coarse-grained quartz (1/3 milky purple), 30% feldspar, minor muscovite and chert.
- 50-60 As above — large fragments, quartz, pebbles, minor fragments graphite schist.

Quantico Slate (60-370')

- 60-70 Graphite Schist — medium-light gray; very-fine-grained with coarse pyrite crystals; quartz fragments. X-ray examination of fine-grained portion: biotite, muscovite, chlorite, quartz, graphite; minor potash feldspar, amphibole, and pyroxene.
- 70-80 As above — less quartz minor chlorite aggregates.
- 80-90 As above — still less quartz, no chlorite aggregates.
- 90-100 As above — minor feldspar and chlorite.
- 100-110 Graphite Schist — medium-gray, very-fine-grained; quartz sand, ferruginous, clay, siderite veins, pyrite nodules.
- 110-120 As above.
- 120-130 As above — less quartz and clay.
- 130-140 As above — quartz vein, one three-fourths inch quartz pebble.

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- 140-150 Graphite Schist — medium-gray, shiny, very-fine-grained, minor coarse sand, pyrite crystals and nodules; minor clay, chlorite, siderite, chalcedony, sericite.
- 150-160 As above — less clay.
- 160-170 As above — more quartz and chalcedony.
- 170-180 As above.
- 180-190 Graphite Schist — medium-gray, very-fine-grained, corrugated foliation; pyrite, minor quartz, chalcedony and siderite.
- 190-200 As above.
- 200-210 As above — less quartz and chalcedony.
- 210-220 As above — more siderite as crystals in veins.
- 220-230 Graphite Schist — medium-gray, very-fine-grained, corrugated foliation; minor quartz; open veins lined with siderite.
- 230-240 As above — with quartzite pebble.
- 240-250 As above — minor gypsum in minute crystals between bedding.
- 250-260 As above — more graphite.
- 260-270 Graphite Schist — medium-gray, very-fine-grained, corrugated foliation; coarse quartz, pyrite crystals and nodules.
- 270-280 As above — more graphite.
- 280-290 Graphite Schist — grayish-black with white, very-fine-grained, corrugated foliation; quartz and quartzite; minor siderite vein filling; pyrite nodules and crystals.
- 290-300 Graphite Schist — dark-gray, very-fine-grained; minor pyrite crystals and nodules, quartz and calcite.
- 300-310 As above.
- 310-320 Graphite Schist — medium-gray, very-fine-grained, minor pyrite, quartz and siderite.
- 320-330 Graphite Schist — medium-dark-gray, very-fine-grained; minor pyrite, quartz and siderite.

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- 330-340 Graphite Schist — medium dark-graym very-fine-grained,
minor pyrite, quartz, and siderite, minor epidote,
chalcopyrite, chlorite, and sericite.
- 340-350 As above — no epidote or chalcopyrite.
- 350-360 Graphite Schist — medium-gray, very-fine-grained;
minor quartz, pyrite, and siderite.
- 360-370 As above.
- 370-372 No sample.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-60	Overburden	Quaternary
60-370	Quantico Slate	Ordovician
370-372	No sample	

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