

INTERVAL SHEET

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VDMR Well No.: 662 WWCRC 295

Date 6-7-62

Sample Interval: from 0 to 840

PROP: Town of Manassas

Total depth 850

COMP: Manassas Well Drillers

Oil Gas Water x Exploratory

COUNTY: Prince William

Cuttings x Core Other

From-To	From-To WASHED SAMPLES	From-To WASHED SAMPLES	From-To WASHED SAMPLES	From-To WASHED SAMPLES
-	0 - 10	290 - 300	580 - 590	-
-	10 - 20	300 - 310	590 - 600	-
-	20 - 30	310 - 320	600 - 610	-
-	30 - 40	320 - 330	610 - 620	-
-	-	-	-	-
-	40 - 50	330 - 340	620 - 630	-
-	50 - 60	340 - 350	630 - 640	-
-	60 - 70	350 - 360	640 - 650	-
-	70 - 80	360 - 370	650 - 660	-
-	80 - 90	370 - 380	660 - 670	-
-	90 - 100	380 - 390	670 - 680	-
-	100 - 110	390 - 400	680 - 690	-
-	110 - 120	400 - 410	690 - 700	-
-	120 - 130	410 - 420	700 - 710	-
-	130 - 140	420 - 430	710 - 720	-
-	140 - 150	430 - 440	720 - 730	-
-	150 - 160	440 - 450	730 - 740	-
-	160 - 170	450 - 460	740 - 750	-
-	170 - 180	460 - 470	750 - 760	-
-	180 - 190	470 - 480	760 - 770	-
-	190 - 200	480 - 490	770 - 780	-
-	200 - 210	490 - 500	780 - 790	-
-	210 - 220	500 - 510	790 - 800	-
-	220 - 230	510 - 520	800 - 810	-
-	230 - 240	520 - 530	810 - 820	-
-	240 - 250	530 - 540	820 - 830	-
-	250 - 260	540 - 550	830 - 840	-
-	260 - 270	550 - 560	-	-
-	270 - 280	560 - 570	-	-
-	280 - 290	570 - 580	-	-

OWNER: Town of Manassas
DRILLER: Manassas Well Drillers
COUNTY: Prince William

VDMR # 662
WWCR # 295
DEPTH: 850

SAMPLE EXAMINATION

0-10 SILTSTONE - arkosic, reddish brown (ferric), very fine grained, subrounded, hard, well consolidated, slightly calcareous, sericitic and permeable; BEDROCK in this interval.

10-20 as above

20-30 as above

30-40 as above

40-50 as above

50-60 as above

60-70 as above

70-80 as above, but harder

80-90 SILTSTONE - arkosic, reddish brown, fine to medium grained, subrounded, very hard, well consolidated, slightly calcareous, low permeability, sericite less than 1 %

90-100 as above

100-110 as above

110-120 as above

120-130 as above

130-140 as above with increase in sericite to 5 %

140-150 as above with decrease in sericite to 1 %

150-160 as above with sericite content less than 1 %

160-170 as above

170-180 as above

180-190 SILTSTONE - arkosic, reddish brown, fine to medium grained, subrounded, very hard, well consolidated, highly calcareous with small veinlets of calcite present, low permeability, sericite 1 %

190-200 as above

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- 200-210 SILTSTONE - arkosic, reddish brown, fine to medium grained, subrounded, very hard, well consolidated, calcareous with traces of red (ferric) and green (ferrous) secondary calcite, low permeability, trace of sericite
- 210-220 as above
- 220-230 as above
- 230-240 as above
- 240-250 as above
- 250-260 as above
- 260-270 as above
- 270-280 SILTSTONE - arkosic, reddish brown, fine to medium grained, subrounded, very hard, well consolidated, low permeability, calcareous with traces of calcite and sericite, 1 % green (ferrous) siltstone
- 280-290 as above
- 290-300 as above
- 300-310 as above with 2 % sericite
- 310-320 as above
- 320-330 SILTSTONE - arkosic, reddish brown, fine to medium grained, subrounded, very hard, well consolidated, low permeability, calcareous, 1 % sericite, trace of green siltstone
- 330-340 as above
- 340-350 as above
- 350-360 as above
- 360-370 as above
- 370-380 SILTSTONE - arkosic, reddish brown, fine to medium grained, subrounded, well consolidated, very hard, low permeability, slightly calcareous, 2 % sericite
- 380-390 as above
- 390-400 as above
- 400-410 as above with trace of green siltstone

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410-420 as above
420-430 as above
430-440 as above
440-450 as above
450-460 as above
460-470 SILTSTONE - arkosic, reddish brown, medium to coarse grained, subrounded, very hard, well consolidated, low permeability, calcareous, 2 % sericite
470-480 as above
480-490 as above
490-500 as above
500-510 as above
510-520 as above
520-530 as above
530-540 as above
540-550 as above
550-560 as above with trace of green siltstone
560-570 as above
570-580 as above with 1 % green siltstone
580-590 as above
590-600 as above
600-610 SILTSTONE - arkosic, reddish brown, medium to coarse grained, subrounded, very hard, well consolidated, low permeability, calcareous, 1 % sericite
610-620 as above
620-630 as above, but more calcareous
630-640 SILTSTONE - arkosic, reddish brown, coarse grained, subrounded, very hard, well consolidated, low permeability, highly calcareous, 1 % sericite
640-650 as above

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650-660 as above
660-670 as above with trace of calcite
670-680 as above
680-690 as above
690-700 as above
700-710 as above
710-720 as above without calcite
720-730 as above
730-740 as above
740-750 as above
750-760 as above
760-770 as above
770-780 as above
780-790 as above
790-800 as above
800-810 SILTSTONE - green (75%) and red brown (25%), coarse grained, subrounded, very hard, well consolidated, low permeability, calcareous, 1 % sericite
810-820 SILTSTONE - arkosic, reddish brown, coarse grained, subrounded, very hard, well consolidated, low permeability, calcareous, 1 % sericite
820-830 SANDSTONE - arkosic, reddish brown, medium grained, subrounded, poorly sorted, very hard, well consolidated, slightly permeable, calcareous 1 % sericite
830-840 as above
840-850 NO SAMPLE

GEOLOGIC SUMMARY

AGE

FORMATION OR UNIT

TRIASSIC

MANASSAS SANDSTONE

OWNER: Town of Manassas

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REMARKS

The predominance of siltstone in these drill samples may indicate that this fine grained material represents the upper portion of the Manassas sandstone which, in northern Virginia, grades into a shale facies known as the Bull Run shale.

Virginia Division of Mineral Resources
Merrick S. Whitfield, Geologist
June 20, 1962