

INTERVAL SHEET

WWCR 118

Page 1

VDMR Well No.: Well No. 1243

Date 2/1/65

Sample Interval: from 0 to 576

PROP: A. T. & T. (Spear Mt. #1)

Total depth 576

COMP: Falwell

Oil Gas Water Exploratory

COUNTY: Buckingham

Cuttings Core Other

VDMR Well No: W-1243

Washed samples

From-To	From-To	From-To	From-To	From-To
-	-	0 - 10	270 - 280	570 - 576
-	-	10 - 20	280 - 290	-
-	-	20 - 25	290 - 300	-
-	-	25 - 27	300 - 310	-
-	-	27 - 30	310 - 320	-
-	-	30 - 40	320 - 330	-
-	-	40 - 50	330 - 340	-
-	-	50 - 60	340 - 350	-
-	-	60 - 65	350 - 360	-
-	-	65 - 70	360 - 370	-
-	-	70 - 80	370 - 380	-
-	-	80 - 90	380 - 390	-
-	-	90 - 100	390 - 400	-
-	-	100 - 110	400 - 410	-
-	-	110 - 120	410 - 420	-
-	-	120 - 130	420 - 430	-
-	-	130 - 140	430 - 440	-
-	-	140 - 150	440 - 450	-
-	-	150 - 160	450 - 460	-
-	-	160 - 170	460 - 470	-
-	-	170 - 180	470 - 480	-
-	-	180 - 190	480 - 490	-
-	-	190 - 200	490 - 500	-
-	-	200 - 210	500 - 510	-
-	-	210 - 220	510 - 520	-
-	-	220 - 230	520 - 530	-
-	-	230 - 240	530 - 540	-
-	-	240 - 250	540 - 550	-
-	-	250 - 260	550 - 560	-
-	-	260 - 270	560 - 570	-

OWNER: American Telephone & Telegraph Co.
Spear Mt. , Well #1
DRILLER: Falwell Well Corporation
COUNTY: Buckingham

VDMR #1243
WWCR #118
TOTAL DEPTH: 576'

GEOLOGIC LOG

- 0-10 Schist — orange and reddish-brown, and white, shiny; fine-grained; sericite, quartz, chlorite, minor biotite.
- 10-20 Schist — pink to red-gray, shiny; fine-grained, sericite, chlorite, quartz; minor biotite-quartz schist.
- 20-25 Schist — 50% as above, 50% medium-gray, very shiny; foliated; fine-grained; sericite; quartz; dusty opagues; minor biotite; leached, porous.
- 25-27 As above — less gray, more brown.
- 27-30 As above — with chlorite.
- 30-40 Quartz, Sericite-Schist — pale-red-brown, shiny, fine-grained except for quartz augen; minor chlorite, biotite, manganese oxides.
- 40-50 As above — less quartz.
- 50-60 As above.
- 60-65 As above — corrugated foliation.
- 65-70 As above — no corrugation.
- 70-80 As above — with corrugations.
- 80-90 Chlorite Schist — medium-gray-green, minor iron oxide stain; chlorite, sericite, quartz, minor biotite, trace magnetite; the foliation is corrugated; occasionally discernable relict bedding which may be at nearly right angles to foliation and finely corrugated with drag folds; the quartz is concentrated in knots and augen.
- 90-100 As above.
- 100-110 As above.
- 110-120 As above.
- 120-130 As above.
- 130-140 As above — less iron oxide stain.

OWNER: American Telephone & Telegraph Co. - Spear Mt., Well #1

- 140-150 Chlorite Schist — medium-gray-green, minor iron oxide stain; chlorite, sericite, quartz, minor biotite, trace magnetite; the foliation is corrugated; occasionally discernable relict bedding which may be at nearly right angles to foliation and finely corrugated with drag folds; the quartz is concentrated in knots and augen.
- 150-160 Chlorite Schist — dark-green, shiny; fine- to medium-grained; chlorite, sericite, quartz, trace pyrite and magnetite; foliated, knotted, and corrugated; the quartz concentrated in augen and veins.
- 160-170 As above.
- 170-180 As above.
- 180-190 As above.
- 190-200 As above.
- 200-210 As above.
- 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 As above.
- 280-290 As above.
- 290-300 As above.
- 300-310 As above.
- 310-320 As above.
- 320-330 As above.
- 330-340 As above.

OWNER: American Telephone & Telegraph Co. - Spear Mt., Well #1

- 340-350 Chlorite Schist — dark-green, shiny; fine- to medium-grained; chlorite, sericite, quartz, trace pyrite and magnetite; foliated, knotted, and corrugated; the quartz concentrated in augen and veins.
- 350-360 As above.
- 360-370 As above.
- 370-380 As above.
- 380-390 As above.
- 390-400 As above.
- 400-410 As above.
- 410-420 As above.
- 420-430 As above.
- 430-440 As above.
- 440-450 As above.
- 450-460 As above.
- 460-470 As above.
- 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.
- 560-570 As above.
- 570-576 As above.

OWNER: American Telephone & Telegraph Co. - Spear Mt., Well #1

GEOLOGIC SUMMARY

ROCK UNIT

AGE

Candler Formation

Cambrian

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
March 8, 1965