

INTERVAL SHEET

WWCR 876

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VDMR Well No.: 859

Date 7/17/63

Sample Interval: from 46 to 404

PROP: Jim-Tel Builders, Inc.

Total depth 404

COMP: C. R. Moore

Oil Gas Water Exploratory

COUNTY: Albemarle (Hydraulic)
VDMR Well No: W-859

Cuttings Core Other

WASHED SAMPLES

From-To	From-To	From-To	From-To	From-To
0 - 46	No Samples	-	-	-
46 - 48	320 - 330	-	-	-
48 - 50	330 - 340	-	-	-
50 - 60	340 - 350	-	Complete set	of sampled intervals
60 - 70	350 - 360	-	-	-
70 - 80	360 - 370	-	-	-
80 - 90	370 - 380	-	-	-
90 - 100	380 - 390	-	-	-
100 - 110	390 - 400	-	-	-
110 - 120	404 -	-	-	-
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	-	-	-	-
300 - 310	-	-	-	-
310 - 320	-	-	-	-

OWNER: Jim-Tel Builders, Inc.
DRILLER: C. R. Moore
COUNTY: Albemarle (Hydraulic)

VDMR # 859
WWCR # 876
TOTAL DEPTH : 404

GEOLOGIC LOG

0-46 No sample

Lovington Formation (46-404')

46-48 Quartz-Diorite Gneiss - bluish-black, medium-grained, biotite, sericite, amphibole, quartz, plagioclase.

48-50 As above

50-60 Quartz-Diorite Gneiss - bluish-black; X-ray examination: approximately 35% quartz, 35% biotite, 15% amphibole, 15% plagioclase.

60-70 As above

70-80 As above - increase of quartz and feldspar; minor pyrite; fracture zone.

80-90 As above

90-100 Quartz-Diorite - bluish-black; less quartz and feldspar; increase of mafics.

100-110 As above - increase of quartz and feldspar, apatite.

110-120 As above

120-130 As above

130-140 Quartz Monzonite - increase of quartz and feldspar, orthoclase, plagioclase; decrease of mafics.

140-150 As above - less feldspar; minor pyrite.

150-160 As above - large increase of mafics.

160-170 As above

170-180 Quartz-Diorite - slight decrease of mafics; increase of quartz and plagioclase.

180-190 As above - large increase of quartz and plagioclase.

190-200 As above - minor muscovite.

200-210 As above

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210-220 Quartz Diorite - X-ray examination: approximately 35% quartz, 35% plagioclase, 25% biotite, 5% epidote.

220-230 As above

230-240 As above - large increase in biotite, (almost a biotite schist).

240-250 As above

250-260 Quartz Diorite - decrease of biotite, increase of quartz and plagioclase.

260-270 As above - less biotite.

270-280 As above

280-290 As above - increase of mafics; large amphibole crystals.

290-300 Quartz Diorite - biotite, quartz, amphibole, plagioclase.

300-310 As above

310-320 As above - decrease of mafics.

320-330 As above - increase of mafics.

330-340 Quartz Diorite - large increase of biotite and amphibole; decrease of quartz and plagioclase.

340-350 As above - some blue quartz.

350-360 As above - less mafics.

360-370 Quartz Diorite - light-brown quartz, plagioclase, biotite, amphibole; considerable oxidation of iron rich minerals or an old weathered surface.

370-380 As above - less oxidation or weathering.

380-390 As above

390-400 As above - garnet crystals.

404 As above - less mafics.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-46	No Samples	
46-404	Lovingston Formation	Precambrian

Virginia Division of Mineral Resources
Garnett Gatlin - Geologist
September 29, 1964