

42

Sheet No. 1

**PROP: PENINSULA DAIRY**  
**COMP: LAYNE-ATLANTIC**  
**COUNTY: WARWICK**  
**VDMR WELL NO: 0172**  
**FROM: TO:**

WASHED AND FLOATED

VDMR WELL NO. 0172  
 Sample Interval 103-813  
 Total Depth 813'

Oil \_\_\_ Gas \_\_\_ Water  Exploratory \_\_\_  
 Cuttings  Core \_\_\_ Other \_\_\_

See Water Supply Paper 1361 p. 204

From-To	From-To	From-To	From-To	From-To
103 - 113 42	730 - 77	-	-	-
113 - 126 44	745 - 89	-	-	-
315 - 79	768 - 85	-	-	-
340 - 37	813 - 87	-	-	-
363 - 56	-	-	-	-
386 - 78	-	-	-	-
406 - 28	-	-	-	-
420 - 47	-	-	-	-
431 - 6	-	-	-	-
454 - 26	-	-	-	-
465 - 10	-	-	-	-
476 - 24	-	-	-	-
494 - 69	-	-	-	-
543 - 76	-	-	-	-
598 - 77	-	-	-	-
634 - 92	-	-	-	-
656 - 55	-	-	-	-
78 - 40	-	-	-	-
720 - 85	-	-	-	-

## Newport News Peninsula Dairy

Worked Samples

- 315 Fine gray quartz grains with % shell; contains % dark and light green glauconite.
- 340 Same
- 363 Same
- 386 Fine gray quartz grains and much shell; fine gray dull pyritised wood.
- 406 Same
- 420 Sample is darker than above, quartz is more shiny, glauconite amounts to 15 to 20% and is nearly all black. Rock fragments are present and a few silvery pyritised grains are noted. Very little shell is present but the specimen is highly foraminiferal
- 431 Sample contains about 20% fine grained shell and fewer coarse grained yellow pyrite grains. Quartz makes up the remainder of the specimen; % of glauconite is found. Very few shell fragments. Residue is very small. Specimen is similar to Yorktown 420-430.
- 454 Quartz grains and 10% glauconite, most of which is dark. One pyrite grain noted.
- 465 Same as above but pyrite is a minor constituent.
- 476 Same but glauconite is dark and light green. Rock fragments make 10 to 15% of the sample.
- 494 Quartz containing up to 20% of which are olive green noted in large sample,
- 543 ? About the same but several pyrite grains noted.
- 598 About the same; a few bright yellow grains noted.

## WELL NO. 0172

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- 634           Quartz grains containing more than 10%  
glaucosite. Several brown pyrite grains  
noted.
- 678           Discolored quartz and more than 10%  
glaucosite about half of which is light  
green. No pyrite.
- 720           Quartz grains many of which are dis-  
colored, feldspar common, glaucosite  
less than 5%. Contains much lime rock  
about     % of the space. One pyrite  
grain.
- 730           About the same but containing very light  
rock. Two pyrite grains noted.
- 745           Same  
768           Finer grained and glaucosite less than  
5%
- 813           Coarse and very feldspathic. Trace  
of pyrite.

*Geologic log by  
Layne-Atlantic and  
D. J. Cederstrom (U.S.G.S.)*