

INTERVAL SHEET

WWCR 199

Page 1 of 1

VDMR Well No: 1634

Date rec'd: June 23, 1966

Sample Interval: from 156 to 918

PROP: Union Camp Company, well #10

Number of samples: 25

COMP: Layne Atlantic Company

Total Depth: 925

COUNTY: Isle of Wight

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
No - Samples	-	-	-
156 - 187	-	-	-
187 - 217	-	-	-
217 - 246	-	-	-
246 - 277	-	-	-
277 - 308	-	-	-
308 - 338	-	-	-
338 - 369	-	-	-
369 - 400	-	-	-
400 - 428	-	-	-
428 - 459	-	-	-
459 - 489	-	-	-
489 - 520	-	-	-
520 - 550	-	-	-
550 - 581	-	-	-
581 - 612	-	-	-
612 - 643	-	-	-
643 - 673	-	-	-
673 - 704	-	-	-
704 - 734	-	-	-
734 - 755	-	-	-
755 - 786	-	-	-
786 - 826	-	-	-
826 - 857	-	-	-
857 - 888	-	-	-
888 - 918	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Union Camp Company, well #10
DRILLER: Layne Atlantic Company
COUNTY: Isle of Wight (Franklin)

VDMR 1634
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TOTAL DEPTH 925

GEOLOGIC LOG

0 - 156 No samples

PAMUNKEY GROUP (156 - 217)

156 - 187 Sand — gray ("salt-and-pepper"), silty; very-fine to medium-grained; very-fine to fine-grained angular quartz (75%), and fine-to medium-grained glauconite (25%)

187 - 217 "

POTOMAC GROUP (217 - 918)

217 - 246 Sand — brownish-gray ("salt-and-pepper"), silty, slightly argillaceous; 75% quartz and 25% glauconite; slightly micaceous

246 - 277 Sand — gray, slightly argillaceous; very-fine to medium-grained, moderately sorted; micaceous and slightly glauconitic; moderately arkosic (weathered white feldspar)

277 - 308 " brownish-gray ("salt-and-pepper"); moderately glauconitic and very slightly micaceous

308 - 338 " brownish-gray; slightly glauconitic and micaceous

338 - 369 " gray; very slightly glauconitic

369 - 400 Sand — gray, clean; medium to coarse-grained, well sorted; slightly to moderately arkosic; very slightly glauconitic

400 - 428 "

428 - 459 Clay and Gravel — mottled dark-gray and yellowish-brown clay, slightly sandy; gravel (50%) of sample consists of granules and small pebbles of clay, very sandy (glauconitic) limestone, goethite, phosphorite, quartz, and some feldspar (limestone is most abundant)

459 - 489 Sand — speckled brown and white, clean; coarse grained, well sorted, subangular to subrounded; arkosic; locally cemented by iron-(manganese?) oxides; trace of glauconite

489 - 520 "

- 520 - 550 Clay and Gravel — slightly sandy gray clay; gravel (50% of sample) consists of granules and small pebbles of very sandy (glaucanitic) limestone, quartz, feldspar, and fewer granules and small pebbles of phosphorite and goethite; scattered shell fragments and fish teeth; small amount of garnet
- 550 - 581 Sand — gray, slightly silty and argillaceous; fine to coarse grained; moderately sorted; moderately arkosic; slightly glauconitic; minor amount of garnet
- 581 - 612 "
- 612 - 643 Sand — gray, clean; very coarse grained, very well-sorted, subangular to subrounded; moderately arkosic; traces of glauconite, phosphorite, garnet, and pyrite
- 643 - 673 "
- 673 - 704 " 50% very coarse-grained sand, 50% granules
- 704 - 734 Sand — gray, trace of clay; medium to very coarse-grained, moderately sorted; moderately arkosic; trace of glauconite
- 734 - 755 " but rather poorly sorted, and with slight increase in glauconite
- 755 - 786 " "
- 786 - 826 " "
- 826 - 857 Sand — brownish-gray, slightly argillaceous, about 10% granule gravel; fine to very coarse grained, rather poorly sorted; arkosic; slightly glauconitic
- 857 - 888 "
- 888 - 918 Sand and decomposed crystalline rock — gray; fine to very coarse grained; arkosic and micaceous (muscovite and biotite); decomposed rock fragments; slightly glauconitic
- 918 - 925 *No samples*

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0 - 156	No samples	
156 - 217	Pamunkey Group	Eocene
217 - 918	Potomac Group	Lower Cretaceous
918 - 925	No samples	

Note: Presence of decomposed rock fragments in 888 - 918 interval suggests the granitic basement may occur just below this depth (driller reported granite encountered at 923)

Virginia Division of Mineral Resources
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