

INTERVAL SHEET

WWCR: 204

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VDMR Well No: 1641

Date rec'd: July 1, 1966

Sample Interval: from 94 to 819+

PROP: Union Camp Company, well #15

Number of samples: 16

COMP: Layne-Atlantic Company

Total Depth: 836

COUNTY: Isle of Wight

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To
No - Samples	-	-	-
94 - 130	-	-	-
No - Samples	-	-	-
200 - 279	-	-	-
279 - 310	-	-	-
-	-	-	-
338 - 360	-	-	-
360 - 371	-	-	-
-	-	-	-
398 - 430	-	-	-
-	-	-	-
459 - 510	-	-	-
510 - 523	-	-	-
523 - 620	-	-	-
620 - 640	-	-	-
640 - 670	-	-	-
655 - 701	-	-	-
701 - 731	-	-	-
-	-	-	-
754	-	-	-
No _ samples	-	-	-
805 - 819	-	-	-
819 - ?	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples

OWNER: Union Camp Company, well #15
DRILLER: Layne-Atlantic Company
COUNTY: Isle of Wight (Franklin)

VDMR: 1641
WWCR: 204
TOTAL DEPTH: 836'

GEOLOGIC LOG

Depth (feet)

0 - 94 No samples

PAMUNKEY GROUP (94-130')

94 - 130 Sand and Limestone — sand (60%) is black, clean, medium grained, well sorted — glauconite with 10-20% quartz. Limestone (40%) is light-gray to white, very sandy (glauconitic), and fossiliferous; small amount of brown nodular phosphorite in sand intervals.

130 - 200 No samples.

POTOMAC GROUP (200-819')

200 - 279 Sand — light gray, moderately argillaceous; coarse- to very coarse-grained, well-sorted, subangular to subrounded; arkosic; traces of glauconite, phosphorite, and muscovite; garnet relatively abundant.

279 - 310 " 5-10% granule gravel.

310 - 338 No samples.

338 - 360 Sand — gray, slightly argillaceous, about 10% granule gravel; coarse- to very coarse-grained, moderately sorted, subangular to subrounded; moderately arkosic; traces of garnet, muscovite, glauconite, and brown epidote.

360 - 371 Sand — gray, slightly argillaceous, medium to very coarse-grained, fairly well-sorted (skewed fine), subangular to subrounded; moderately arkosic; traces of garnet and glauconite.

371 - 398 No samples

398 - 430 Sand — gray, slightly argillaceous; medium- to coarse-grained, well-sorted, subangular to subrounded; moderately arkosic; very slightly- glauconitic.

430 - 459 No samples.

- 459 - 510 Sand — gray, slightly argillaceous, about 5% granule gravel; medium- to coarse-grained, fairly well-sorted, subangular to slightly subrounded; arkosic; traces of garnet, muscovite, and glauconite.
- 510 - 523 "
- 523 - 620 "
- 620 - 640 Sand — gray, slightly to moderately argillaceous (brownish clay), about 10% granule gravel; arkosic; trace of glauconite.
- 640 - 670 " 5% granule gravel and a few very small pebbles.
- 655 - 701 Sand — grayish brown, slightly to moderately argillaceous, 5-10% granule gravel; coarse- to very coarse-grained, well sorted, subangular to subrounded; arkosic; trace of glauconite.
- 701 - 731 " very coarse-grained, very well-sorted.
- 731 - 754 No samples
- 754 - ? Sand and Gravel — buff, trace of clay; sand (60%) is medium- to coarse-grained, moderately sorted; arkosic; slightly glauconitic; gravel (40%) is well sorted, arkosic.
- ? - 805 No samples
- 805 - 819 Sand — buff, slightly silty and argillaceous; fine- to very coarse-grained, rather poorly-sorted; arkosic; slightly glauconitic.
- 819 - ? Sand — gray, very argillaceous; fine grained, well sorted, angular; clear quartz with about 10% chalky shell fragments and about 5% phosphorite; a few Miocene foraminifers (contaminated sample).
- ? - 836 No samples

	<u>ROCK UNIT</u>	<u>AGE</u>
0 - 94	No samples	
94 - 130	Pamunkey Group	Eocene
130 - 200	No samples	
200 - 819	Potomac Group	Early Cretaceous

Note: 819 - ? interval is anomalous (Tertiary forams at 800'+ beneath several hundred feet of Cretaceous section).

Virginia Division of Mineral Resources
 Robert H. Teifke - Geologist
 August 10, 1966