

INTERVAL SHEET

WWCR: 202

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VDMR Well No: 1639

Date rec'd: June 30, 1966

Sample Interval: from 0 to 887

PROP: Union Camp Company, well #13

Number of samples: 23

COMP: Layne-Atlantic Company

Total Depth: 887 feet

COUNTY: Isle of Wight

Oil or Gas: Water;  Exploratory:

From-To	From-To	From-To	From-To
0 - 34	-	-	-
34 - 60	-	-	-
60 - 75	-	-	-
75 - 90	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
-	-	-	-
115 - 120	-	-	-
-	-	-	-
127 - 157	-	-	-
157 - 190	-	-	-
190 - 217	-	-	-
217 - 268	-	-	-
268 - 338	-	-	-
338 - 420	-	-	-
-	-	-	-
428 - 459	-	-	-
459 - 479	-	-	-
No - Samples	-	-	-
612 - 643	-	-	-
643 - 673	-	-	-
673 - 704	-	-	-
-	-	-	-
720 - 773	-	-	-
-	-	-	-
782 - 804	-	-	-
804 - 825	-	-	-
825 - 856	-	-	-
856 - 887	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Union Camp Company, well #13  
DRILLER: Layne-Atlantic Company  
COUNTY: Isle of Wight

VDMR: 1639  
WWCR: 202  
TOTAL DEPTH: 887'

### GEOLOGIC LOG

Depth (feet)

#### CHESAPEAKE GROUP ( 0-90' )

- 0 - 34 Sand — buff, slightly argillaceous with some very argillaceous zones; 25% medium grained fresh glauconite and 75% medium- to very coarse-grained quartz sand with some feldspar.
- 34 - 60 Sand with Limestone lenses — gray, silty and argillaceous ("dirty"); medium- to very fine-grained, well-sorted (skewed fine); 60% angular, fine-grained quartz, and 40% fresh, medium-grained glauconite; coarsest fragments are mainly sandy (glauconitic) limestone; traces of muscovite, garnet, phosphorite.
- 60 - 75 " 75% glauconite, 25% quartz; a few foraminifers
- 75 - 90 Sand — brown, moderately argillaceous; coarse- to very coarse-grained, fairly well-sorted, subangular to slightly subrounded; arkosic; very slightly-glauconitic; traces of garnet and muscovite.

#### PAMUNKEY GROUP ( 90-217' )

- 90 - 100 Sand with Limestone lenses — gray, silty and argillaceous ("dirty"); medium- to very fine-grained, well-sorted; 75% fresh glauconite, and 25% quartz; abundant coarser fragments of sandy (glauconite) limestone; small amounts of phosphorite and garnet; a few shell fragments and foraminifers.
- 100 - 110 Sand — grayish-brown, moderately argillaceous; medium- to very coarse-grained, moderately sorted, subangular to subrounded; moderately arkosic; very slightly glauconitic.
- 110 - 115 No sample
- 115 - 120 Sand — gray, silty; fine- to very fine grained, well-sorted, angular; about 20% fresh glauconite; traces of muscovite and phosphorite; a few shell fragments.
- 120 - 127 No sample
- 127 - 157 Sand — brown, very slightly-argillaceous, a few granules; coarse to very coarse -grained, fairly well-sorted, subangular to subrounded; arkosic; very slightly-glauconitic.

157 - 190 Sand with Limestone lenses — gray, silty and argillaceous ("dirty"); medium to coarse-grained, fairly well-sorted; 75-80% fresh glauconite, and 20-25% quartz; abundant coarser fragments of sandy (glauconitic) limestone; pyrite locally abundant in limestone; scattered shell fragments, fish teeth, vertebrae and phosphatic fragments and nodules; traces of muscovite and garnet.

190 - 217 "

POTOMAC GROUP ( 217-887' )

217 - 268 Sand — buff, very argillaceous; coarse- to very-coarse-grained, fairly well-sorted, subangular to slightly-subrounded; slightly to moderately-arkosic; slightly glauconitic; trace of garnet.

268 - 338 "

338 - 420 "

420 - 428 No sample

428 - 459 Sand — gray, argillaceous, 15-20% granule gravel; medium- to very coarse-grained, rather poorly-sorted; arkosic; slightly glauconitic.

459 - 479 Sand and Gravel — gray, slightly argillaceous; 60% fine gravel (2-8 mm), and 40% poorly-sorted sand; arkosic; very slightly-glauconitic; trace of garnet.

479 - 612 No sample

612 - 643 Sand — gray, very slightly-argillaceous; very coarse-grained, well-sorted, subrounded, arkosic; trace of garnet.

643 - 673 " 40% granules, very arkosic.

673 - 704 Sand and Gravel — brownish-gray, moderately argillaceous; 50% fine gravel (2-6 mm), and 50% coarse, rather poorly-sorted sand; arkosic; trace of glauconite.

704 - 720 No sample

720 - 773 Sand — gray, moderately silty, slightly argillaceous; fine- to very coarse-grained, rather poorly-sorted, angular to subrounded; arkosic; slightly glauconitic.

773 - 782 No sample.

- 782 - 804 Sand — brownish-gray, argillaceous, about 20% granule gravel; medium to very coarse-grained, rather poorly-sorted; arkosic; trace of garnet.
- 804 - 825 "
- 825 - 856 Sand — brown, argillaceous, 5-10% granules and very small pebbles; medium to very coarse-grained, moderately sorted; arkosic.
- 856 - 887 Clay — mottled greens, grays, and browns, sandy, a few small pebbles and arkosic.

	<u>ROCK UNIT</u>	<u>AGE</u>
0 - 90	Chesapeake Group	Miocene
90 - 217	Pamunkey Group	Eocene
217 - 887	Potomac Group	Early Cretaceous

Virginia Division of Mineral Resources  
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August 8, 1966