

INTERVAL SHEET

WWCR 200

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VDMR Well No: 1637

Date rec'd: June 28, 1966

Sample Interval: from 157 to 887

PROP: Union Camp Company, well #11

Number of samples: 21

COMP: Layne Atlantic Company

Total Depth: 887

COUNTY: Isle of Wight (Franklin)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
No - Samples	-	-	-
157 - 188	-	-	-
-	-	-	-
203 - 236	-	-	-
236 - 278	-	-	-
278 - 360	-	-	-
-	-	-	-
375 - 429	-	-	-
429 - 460	-	-	-
460 - 490	-	-	-
490 - 520	-	-	-
-	-	-	-
551 - 581	-	-	-
581 - 612	-	-	-
612 - 642	-	-	-
642 - 673	-	-	-
673 - 704	-	-	-
704 - 734	-	-	-
734 - 765	-	-	-
765 - 796	-	-	-
796 - 811	-	-	-
811 - 826	-	-	-
-	-	-	-
836 - 857	-	-	-
857 - 869	-	-	-
869 - 887	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples

OWNER: Union Camp Company, well #11
DRILLER: Layne Atlantic Company
COUNTY: Isle of Wight (Franklin)

VDMR 1637
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TOTAL DEPTH: 887

GEOLOGIC LOG

0 - 157 No samples

PAMUNKEY GROUP (157 - 278)

157 - 188 Sand — gray, silty and argillaceous ("dirty"); fine to medium grained, fairly well-sorted, angular to subangular; clear quartz with about 30% fresh to slightly-oxidized glauconite; minor amounts of platy phosphorite, muscovite, pyrite, lignitic material, and sandy (glauconitic) limestone; trace of garnet; scattered pelecypod fragments and echinoid spines, and vertebrae

188 - 203 No sample

203 - 236 Sand — gray, silty and argillaceous; fine to very fine-grained, well sorted, angular; about 10% fresh to slightly-oxidized glauconite; minor amounts of muscovite, pyrite, phosphorite and garnet; a very few shell fragments, ostracods, and foraminifers

236 - 278 " with a few fragments of sandy (glauconitic) limestone

POTOMAC GROUP (278 - 887)

278 - 360 Sand — light brown, slightly argillaceous; coarse to very coarse-grained, well sorted, subangular to subrounded; moderately arkosic; scattered grains of glauconite and muscovite

360 - 375 No sample

375 - 429 Sand — gray, very slightly argillaceous; 15-20% granule gravel; coarse to very coarse-grained, well sorted, subrounded; arkosic; 2-5% fresh glauconite; traces of garnet and muscovite

429 - 460 " with 5-10% granule gravel

460 - 490 " with about 10% granule gravel

- 490 - 520 Sand — grayish brown, slightly silty and argillaceous; medium to coarse-grained, well sorted, subangular to subrounded; arkosic; scattered grains of muscovite, glauconite, and garnet
- 520 - 551 No samples
- 551 - 581 Clay and sand — clay (40%) is mottled-gray and orange-brown; sand (60%) is coarse, fairly well sorted; 5-10% granule gravel; arkosic; traces of glauconite and garnet
- 581 - 612 Sand — gray, very slightly argillaceous, 25% granule gravel; coarse to very coarse-grained, well sorted, subangular to subrounded; arkosic; traces of glauconite, muscovite and garnet
- 612 - 642 Sand and clay — 30% greenish-gray and yellowish-brown clay; 68% medium-to very coarse-grained sand; 10-15% granule gravel; arkosic; 2% glauconite
- 642 - 673 "
- 673 - 704 "
- 704 - 734 "
- 734 - 765 " 15% clay, 85% sand
- 765 - 796 Clay and sand — subequal amounts of variegated clay (reddish aspect) and poorly sorted, arkosic sand
- 796 - 811 Sand — buff, fairly clean; medium to very coarse-grained, well-sorted, subrounded; arkosic
- 811 - 826 Clay and gravel — slightly sandy; subequal amounts of variegated clay (reddish aspect) and fine gravel (2-8mm); arkosic
- 826 - 836 No sample
- 836 - 857 Sand — buff, slightly argillaceous, 10-15% granule gravel; medium to very coarse-grained, fairly well-sorted, subangular to subrounded; arkosic; trace of glauconite
- 857 - 869 " with about 30% granule gravel
- 869 - 887 Clay and gravel — slightly sandy; subequal amounts of variegated clay (gray and red aspect) and fine gravel (2-8 mm); arkosic

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0 - 157	No samples	
157 - 278	Pamunkey Group	Eocene
278 - 887	Potomac Group	Lower Cretaceous

Virginia Division of Mineral Resources
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