

INTERVAL SHEET

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VDMR Well No: 1925

Date rec'd: 8-7-67

Sample Interval: from 0 to: 280

PROP: N & W RR. Well # 208

Number of samples: 28

COMP:

Total Depth: 290

COUNTY: Nansemond (Myrtle)

Oil or Gas: Water: Exploratory: ^X

From-To	From-To	From-To	From-To
0 - 10	-	-	-
20 - 30	-	-	-
30 - 40	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
110 - 120	-	-	-
120 - 130	-	-	-
130 - 140	-	-	-
140 - 150	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-
250 - 260	-	-	-
260 - 270	-	-	-
270 - 280	-	-	-
280 - 290	-	-	-
-	-	-	-
-	-	-	-

All Samples Washed

Collected 10/66

NAN-C-21

CONFIDENTIAL

NW-208

(labelled 209)

L/G

ELEV.: 64'

Geologic Log ✓
Strip Log ✓

INTERVAL SHEET

Page 1 of 1

VDMR Well No: **WELL NO. 1925**

Date rec'd: 7/7/67

Sample Interval: from 0 to 280

PROP: 

1.5 Miles S.E. of
Myrtle on NWRR.
(WINDSOR SHEET)

Number of samples: 28

COMP: 

Total Depth: 290'

COUNTY:

Oil or Gas: Water: Exploratory: ✓

LNW From-To	From-To	From-To	From-To
0 - 10	-	-	-
20 - 30	-	-	-
30 - 40	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
110 - 120	-	-	-
120 - 130	-	-	-
130 - 140	-	-	-
140 - 150	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-
250 - 260	-	-	-
260 - 270	-	-	-
270 - 280	-	-	-
280 - 290	-	-	-

Sample not marked

CONFIDENTIAL

VDMR Well No. 1925
County: Nansemond

Well: N. & W. R.R. Well # 208
Property: Norfolk and Western Railway
Driller: Norfolk and Western Railway
Location: 1.5 miles SE of Myrtle, at intersection of Rte. 634 and
Norfolk and Western Railway; $76^{\circ} 40' 00''$ W,
 $36^{\circ} 45' 30''$ N
Elevation: 64 feet
Total Depth: 290 feet
Started drilling: October, 1966 Completed drilling: October, 1966
Sample description by: Robert H. Teifke, Virginia Division of Mineral
Resources

GEOLOGIC LOG *

Depth in
feet

COLUMBIA GROUP (0-40')

- 0-10 Sand - moderately abundant matrix of tan and orange -
brown clays, a few pebbles up to 20 mm; fine-
-to medium-grained, fairly well-sorted,
angular; clear quartz, moderately feldspathic;
minor weathered glauconite, bone phosphorite
and muscovite
- 10-20 No sample
- 20-30 Sand - moderately abundant matrix of tan and orange -
brown clays, a very few small pebbles; fine--to
very coarse-grained, poorly sorted, angular;
feldspathic in coarse grades, minor glauconite;
trace of chert; iron staining of grains is
common; a very few foraminifers

VDMR Well No. 1925

30-40 Sand — abundant matrix of brown clay, 5% granule gravel; fine--to very coarse-grained, fairly well-sorted (skewed fine), angular; clear quartz, feldspathic in coarse grades; minor magnetite and weathered glauconite

✓ YORKTOWN FORMATION (40-^{229'}~~230'~~)

40-50 Sand — very abundant matrix of gray clay, locally brown; fine--to very fine-grained, well-sorted; angular; clear quartz sand, subordinately bioclastic; minor glauconite and gypsum; trace of muscovite; small foraminifers moderately abundant

50-60 "

60-70 "

70-80 Clay — bluish-gray, sandy, 10% fine shell fragments; sand is fine--to very fine-grained, well-sorted, angular; clear quartz, slightly bioclastic; foraminifers moderately abundant, echinoid spines common, very slightly diatomaceous; traces of muscovite and glauconite

80-90 "

90-100 " greenish-gray, slightly sandy, traces of coarse shell

100-110 Clay — greenish-gray, silty, trace of sand, trace of shell; sand is fine--to very fine-grained, well-sorted, angular, quartzose; foraminifers common, but not abundant

110-120 "

120-130 "

130-140 Clay — gray, sandy; sand is medium-grained, well-sorted, sand is 60% dark--to medium-green glauconite, 35% clear, angular quartz, and 5% shell fragments; minor selenite; a very few foraminifers

140-150 "

VDMR Well No. 1925

- 150-160 Sand - abundant matrix of brownish-gray clay, 5% coarse shell debris; a few small pebbles; fine--to coarse-grained, moderately sorted; sand is 50% angular quartz, 50% dark-green glauconite; gypsum common; a few foraminifers
- 160-170 Clay - brownish-gray, moderately sandy, a few shell fragments; sand is fine--to coarse-grained, moderately sorted, 50% angular quartz, 45% dark-green glauconite; gypsum common; minor muscovite; foraminifers rare
- 170-180 "
- 180-190 Clay - greenish-gray, silty and sandy; sand consists of 70% fine-grained, well-sorted, angular, greenish quartz, and 25% medium-grained, dark-green glauconite, minor gypsum and mucovite
- 190-200 "
- 200-210 Clay - gray, mottled brown, silty, slightly sandy; sand consists of 50% fine, angular, yellowish quartz, and 45% medium-grained, dark-green glauconite; gypsum common; minor muscovite
- 210-220 Clay - greenish-gray, silty, moderately sandy; sand consists of 70% fine, well-sorted, angular, clear and yellowish quartz, and 25% fine--to medium-grained, green glauconite, gypsum common, minor muscovite
- 220-~~230~~²²⁹ " sand fraction 75% quartz, 20% glauconite

CALVERT FORMATION (~~230~~²²⁹-270')

- ~~230-240~~²²⁹ Sand - abundant matrix of dark-brown clay, a few shell fragments; fine--to medium-grained, well-sorted, angular to subangular; clear quartz, with 5% bone phosphorite and 2-3% glauconite; gypsum common; foraminifers common (Uvigerina) but not abundant

VDMR Well No. 1925

240-250 Sand - moderately abundant matrix of brown clay, 5% shell fragments; fine--to very coarse-grained, poorly sorted, variably rounded; clear quartz, with 5% brown phosphorite and a trace of glauconite; foraminifers common (planktonic forms, with a few Siphogenerina and Nonion); numerous fragments of dolomitic sandstone

250-260 " fairly well-sorted (skewed coarse), subrounded

260-270 " "

✓ MATTAPONI FORMATION (270-290')

270-280 Sand - sparse matrix of brownish-gray clay, a few shell fragments, medium--to very coarse-grained, moderately sorted; sand is 60% clear, subangular to subrounded quartz, and 35% glauconite and goethite after glauconite; traces of phosphorite and gypsum; a few foraminifers

280-290 " 50% dark-green glauconite, 45% quartz; goethite after glauconite is subordinate

VDMR Well No. 1925

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
✓	0-40 Columbia Group	Pleistocene
	40-230 ²²⁹ Yorktown Formation	<u>Late</u> Miocene
229	230-270 Calvert Formation	<u>Middle</u> Miocene
	270-290 Mattaponi Formation	Paleocene - <i>Late Cretaceous</i>

* The use of the lithologic term, "clay" includes all sizes ranges of particles less than 1/32 mm.

*R. H. Teifke
3/3/72*

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