

VIRGINIA DIVISION OF MINERAL RESOURCES
 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

Page 1 of 1

Well Repository No.: W- 7350

Date rec'd: Date Processed: 12-16-94

Sample Interval: from 0 to 790

PROPERTY: New Kent County (Production Well #1)

Number of samples: 79

COMPANY: Sydnor Hydrodynamics Inc.

Total Depth: 787'

COUNTY: New Kent

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To	From-To
0 - 10	350 - 360	700 - 710	-	-
10 - 20	360 - 370	710 - 720	-	-
20 - 30	370 - 380	720 - 730	-	-
30 - 40	380 - 390	730 - 740	-	-
40 - 50	390 - 400	740 - 750	-	-
50 - 60	400 - 410	750 - 760	-	-
60 - 70	410 - 420	760 - 770	-	-
70 - 80	420 - 430	770 - 780	-	-
80 - 90	430 - 440	780 - 790	-	-
90 - 100	440 - 450	-	-	-
100 - 110	450 - 460	-	-	-
110 - 120	460 - 470	-	-	-
120 - 130	470 - 480	-	-	-
130 - 140	480 - 490	-	-	-
140 - 150	490 - 500	-	-	-
150 - 160	500 - 510	-	-	-
160 - 170	510 - 520	-	-	-
170 - 180	520 - 530	-	-	-
180 - 190	530 - 540	-	-	-
190 - 200	540 - 550	-	-	-
200 - 210	550 - 560	-	-	-
210 - 220	560 - 570	-	-	-
220 - 230	570 - 580	-	-	-
230 - 240	580 - 590	-	-	-
240 - 250	590 - 600	-	-	-
250 - 260	600 - 610	-	-	-
260 - 270	610 - 620	-	-	-
270 - 280	620 - 630	-	-	-
280 - 290	630 - 640	-	-	-
290 - 300	640 - 650	-	-	-
300 - 310	650 - 660	-	-	-
310 - 320	660 - 670	-	-	-
320 - 330	670 - 680	-	-	-
330 - 340	680 - 690	-	-	-
340 - 350	690 - 700	-	-	-



BWCM No. _____

State Water Control Board
P. O. Box 11143
2111 North Hamilton St.
Richmond, Va. 23230

(Certification of Completion/County Permit)

County/City New Kent County

County/City Stamp

- Virginia Plane Coordinates
 - _____ N
 - _____ E
 - Latitude & Longitude _____
 - _____ N
 - _____ W
- Topo. Map No. _____
- Elevation _____ ft.
- Formation _____
- Lithology _____
- River Basin _____
- Province _____
- Type Logs _____
- Cuttings _____
- Water Analysis _____
- Aquifer Test _____

- Owner New Kent County
- Well Designation or Number Production Well #1
Address P.O. Box 50
New Kent, VA 23124
Phone (804) 966-9685
- Drilling Contractor Sydor Hydrodynamics, Inc.
Address P.O. Box 27186
Richmond, VA 23261
Phone (804) 643-2725

WELL LOCATION: 3200' (feet/miles Southeast direction) of Junction of 30 and 33
and 100' (feet/miles East direction) of Rt. 30 at Regional Correction Center
(If possible please include map showing location marked)

Date started 7/20/95 • Date completed 9/27/95 Type rig Mud Rotary

SWCB Permit _____
County Permit _____
Certification of inspecting official:
This well does _____ does not _____
meet code/low requirements.
S. _____
Date _____
For Office Use

Tax Map I.D. No. _____
Subdivision _____
Section _____
Block _____
Lot _____
Class Well I _____, IIA _____
IIB _____, IIIA _____, IIIB _____
IIIC _____, IIID _____, IIIE _____

1. WELL DATA: New Reworked _____ Deepened _____
- Total depth 787 ft.
 - Depth to bedrock N/A ft.
 - Hole size (Also include reamed zones)
 - 30 inches from 0 to 50 ft.
 - 23 inches from 50 to 787 ft.
 - _____ inches from _____ to _____ ft.
 - Casing size (I.D.) and material
 - 26 inches from 0 to 50 ft.
Material Steel
Wt. per foot _____ or wall thickness .375 in.
 - 14 inches from +2 to 400 ft.
Material Steel
Wt. per foot _____ or wall thickness _____ in.
 - 10" inches from 400 to 763 ft.
Material Steel
Wt. per foot _____ or wall thickness .365 in.
 - Screen size and mesh for each zone (where applicable)
 - 10 inches from 405 to 420 ft.
 - Mesh size .020 Type Wire Wrap S.S.
 - 10 inches from 430 to 440 ft.
 - Mesh size .020 Type Wire Wrap S.S.
 - 10 inches from 508 to 558 ft.
 - Mesh size .020 Type Wire Wrap S.S.
 - 10" inches from 600 to 640 ft.
 - Mesh size .020 Type Wire Wrap S.S.
 - 10" inches from 688 to 753 ft.
 - Mesh size .020 Type Wire Wrap S.S.
 - Gravel pack
 - From 375 to 787 ft.
 - From _____ to _____ ft.
 - Grout
 - From 0 to 375 ft. Type Neat Cement
 - From _____ to _____ ft. Type _____

2. WATER DATA • Water temperature _____ of _____
- Static water level (unpumped level-measured) 202 ft.
 - Stabilized measured pumping water level 378 ft.
 - Stabilized yield 1240 gpm after 48 hours
 - Natural Flow: Yes _____ No flow rate _____ gpm
 - Comment on quality _____
3. WATER ZONES: From 160 To 240
From 280 To 440 From 500 To 560
From 600 To 640 From 680 To 787
4. USE DATA:
Type of use: Drinking Livestock Watering _____
Irrigation _____ Food processing _____ Household _____
Manufacturing _____ Fire safety _____ Cleaning _____
Recreation _____ Aesthetic _____ Cooling or heating _____
Injection _____ Other _____
- Type of facility: Domestic _____, Public water supply _____
Public institution Farm _____, Industry _____
Commercial _____, Other _____
5. PUMP DATA: Type _____ Rated H.P. _____
• Intake depth _____ Capacity _____ at _____ head _____
6. WELLHEAD: Type well seal _____
Pressure tank _____ gal., Loc. _____
Sample tap _____, Measurement port _____
Well vent _____, Pressure relief valve _____
Gate valve _____, Check valve (when required) _____
Electrical disconnect switch on power supply _____
7. DISINFECTION: Well disinfected yes _____ no _____
Date 9/23/95, Disinfectant used HTH, RS, IND Cl₂
Amount 10lb & 40qa Hours used 24 hrs
8. ABANDONMENT (where applicable) • yes _____ no _____
Casing pulled yes _____ no _____ not applicable _____
Plugging grout From _____ to _____ material _____

DEPTH (FEET)		NEW KENT PRODUCTION WELL # 1		REMARKS
FROM	TO	FORMATION DESCRIPTION (Granite, Limestone, Sand, Gravel, Etc.)		
0	10	Yellow Clay		
10	20	Brown & Rusty Sand		
20	26	Shells		
26	50	Sand Gravel, Shells & Streaks Blue Clay Mix		
50	70	Sand & Shell Mix		
70	120	Gray Sand & Shell		
120	193	Sand & Green Sand Clay & Shells		
193	220	Shell Rock		
220	230	Shell Rock, Sand & Green Clay		
230	250	Green Sandy Clay		
250	350	Black Sand & Clay Mix		
350	405	Gray Sandy Clay		
405	440	Tough Clay		
440	480	Tough Clay Formation		
480	490	Hard Pack Sand, Black & Brown		
490	525	Coarse Sand		
525	590	Tough Clay		
590	605	Sand		
605	620	Sand		
620	630	Clay & Sand Mix		
630	650	Clay Sand Streaks		
650	685	Sand & Clay Mix		
685	690	Clay Sand & Rock		
690	787	Hard Pack Sand & Clay Streak Mix		