

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

INTERVAL SHEET

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Well Repository No.: W- 7352

Date rec'd: Date Processed: 1/10/97

Sample Interval: from 60 to 810

PROPERTY: New Kent Co. Production well #2

Number of samples: 75

COMPANY: Sydnor Hydrodynamics

Total Depth: 815'

COUNTY: New Kent.

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To	From-To
-	50-60	700-10	-	-
-	60-70	10-20	-	-
-	70-80	20-30	-	-
-	80-90	30-40	-	-
-	90-400	40-50	-	-
-	400-10	50-60	-	-
60-70	10-20	60-70	-	-
70-80	20-30	70-80	-	-
80-90	30-40	80-90	-	-
90-100	40-50	90-800	-	-
110-10	50-60	800-10	-	-
10-20	60-70	-	-	-
20-30	70-80	-	-	-
30-40	80-90	-	-	-
40-50	90-500	-	-	-
50-60	500-10	-	-	-
60-70	10-20	-	-	-
70-80	20-30	-	-	-
80-90	30-40	-	-	-
90-200	40-50	-	-	-
200-10	50-60	-	-	-
10-20	60-70	-	-	-
20-30	70-80	-	-	-
30-40	80-90	-	-	-
40-50	90-600	-	-	-
50-60	600-10	-	-	-
60-70	10-20	-	-	-
70-80	20-30	-	-	-
80-90	30-40	-	-	-
90-300	40-50	-	-	-
300-10	50-60	-	-	-
10-20	60-70	-	-	-
20-30	70-80	-	-	-
30-40	80-90	-	-	-
40-50	90-700	-	-	-

COMMONWEALTH OF VIRGINIA
WATER WELL COMPLETION REPORT

• BWCM No. _____

(Certification of Completion/County Permit)

Job#72315-7

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

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 #2
Address P.O. Box 50
New Kent, Virginia 23124
Phone 804-966-9685

• Drilling Contractor Sydnor Hydrodynamics, Inc.
Address P.O. Box 27186
Richmond, Virginia 23261
Phone 804-643-2725

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 _____

WELL LOCATION: 1/3 2.66 miles NE (direction) of Intersection of Rt. 30 & 3
and 100 feet North (direction) of Route 33
(If possible please include map showing location marked)

Date started 4/10/95 • Date completed 7/24/95 Type rig Mud Rotary

1. WELL DATA: New Reworked _____ Deepened _____

• Total depth 815 ft.
• Depth to bedrock _____ ft.

• Hole size (Also include reamed zones)
• 30 inches from 0 to 48 ft.
• 23 inches from 48 to 815 ft.

• Casing size (I.D.) and material
• 24 inches from 0 to 48 ft.
Material Steel
Wt. per foot _____ or wall thickness .375 in.
• 14 inches from +2 to 359 ft.
Material Steel
Wt. per foot _____ or wall thickness .375 in.
• 10 inches from 359 to 700 ft.
Material Steel
Wt. per foot _____ or wall thickness .365 in.

* Screen size and mesh for each zone (where applicable)
• 10 inches from 400 to 415 ft.
• Mesh size .020 Type Stainless Steel
• 10 inches from 450 to 470 ft.
• Mesh size .020 Type Stainless Steel
• 10 inches from 492 to 512 ft.
• Mesh size .020 Type Stainless Steel
• 10 inches from 538 to 578 ft.
• Mesh size .020 Type Stainless Steel
• 10 inches from 623 to 678 ft.
• Mesh size .020 Type Stainless Steel

• Gravel pack 10"
• From 710' to 760'
• From 359 to 815 ft.

• Grout
• From 0 to 359 ft., Type Neat Cement
• From _____ to _____ ft., Type _____

2. WATER DATA • Water temperature _____ of _____
• Static water level (unpumped level-measured) 146 ft.
• Stabilized measured pumping water level 330 ft.
• Stabilized yield 1500 gpm after 48 hours
Natural Flow: Yes _____ No flow rate. _____ gpm
Comment on quality _____

3. WATER ZONES: From 400' To 415'
From 450' To 470' From 492' To 512'
From 538' To 578' From 623' To 678'

4. USE DATA: 710' to 760'
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 7/20/95, Disinfectant used HTH
Amount 50 Gal+26 Lbs. used 48

8. ABANDONMENT (where applicable) • yes _____ no _____
Casing pulled yes _____ no _____ not applicable _____
Plugging grout From _____ to _____ material _____

NEW KENT PRODUCTION WELL #2
FORMATION DESCRIPTION
 (Granite, Limestone, Sand, Gravel, Etc.)

DEPTH (FEET)
 FROM TO

REMARKS

DEPTH (FEET) FROM	TO	FORMATION DESCRIPTION	REMARKS
0	15	Yellow, Sandy Clay	
15	45	Brown Clay	
45	56	Gray Clay	
56	60	Mixed Gray & Green Clay	
60	75	Green Clay	
75	80	Shell's and Green Clay	
80	90	Sandy & Green Clay	
90	120	Sandy Green Clay	
120	130	Sandy Green Clay & Shell	
130	150	Shells	
150	160	Shell & Sand	
160	175	Shell & Rock	
175	210	Rock	
210	250	Gray Clay	
250	260	Gray Clay & Black Sand	
260	270	Gray Clay	
270	290	Black & Green Sand	
290	300	Black Sand	
300	310	Black Sand and Clay	
310	320	Sand	
320	330	Sand Mix with Green Clay	
330	350	Green Clay	
350	375	Sand & Gravel	
370	410	Sand	
410	430	Gray Clay	
430	470	Sand	
470	480	Green Clay	
480	510	Coarse Sand	
510	535	Green Clay	
535	570	Sand	
570	590	Tough Clay	
590	610	Hard Green Clay	
610	625	Green Clay	

