

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

INTERVAL SHEET

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Well Repository No.: W- 7354

Date rec'd: Date Processed: 1/28/97

Sample Interval: from 0 to 450'

PROPERTY: Town of Bowling Green

Number of samples: 45

COMPANY: Sydnor Hydrodynamics, Inc.

Total Depth: 446'

COUNTY: Caroline

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10	50-60	-	-	-
10-20	60-70	-	-	-
20-30	70-80	-	-	-
30-40	80-90	-	-	-
40-50	90-100	-	-	-
50-60	100-110	-	-	-
60-70	110-120	-	-	-
70-80	120-130	-	-	-
80-90	130-140	-	-	-
90-100	140-150	-	-	-
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		-	-	-
290-300		-	-	-
300-310		-	-	-
310-320		-	-	-
320-330		-	-	-
330-340		-	-	-
340-350		-	-	-

COMMONWEALTH OF VIRGINIA
WATER WELL COMPLETION REPORT

• BWCM No. _____

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

(Certification of Completion/County Permit)

County/City Caroline County/Town of Bowling Green

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

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 _____

County/City Stamp

• Owner Town of Bowling Green

• Well Designation or Number 1A

Address 117 Butler Street
Bowling Green, VA 22427

Phone (804) 633-6212

• Drilling Contractor Sydnor Hydrodynamics, Inc.

Address P.O. Box 27186
Richmond, VA 23261

Phone (804) 643-2725

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

WELL LOCATION: 50 (feet ~~South~~ North direction) of Chase Street
and 200 (feet ~~South~~ West direction) of Butler Street (Behind Town Hall)
(If possible please include map showing location marked)

Date started 10/30 • Date completed 11/17/95 Type rig Mud Rotary

WELL DATA: New Reworked _____ Deepened _____

Total depth 446' ft.

Depth to bedrock N/A ft.

• Hole size (Also include reamed zones)

- 17 inches from 0 to 21 ft.
- 12 inches from 21 to 446 ft.
- _____ inches from _____ to _____ ft.

• Casing size (I.D.) and material

- 14" inches from 0 to 21 ft.
Material Steel
Wt. per foot _____ or wall thickness .375 in.
- 6" inches from +2 to 420 ft.
Material Steel
Wt. per foot 18.97 or wall thickness .280 in.
- _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.

• Screen size and mesh for each zone (where applicable)

- 6 inches from 370 to 410 ft.
- Mesh size .020 Type Wire Wrap Stainless Steel
_____ inches from _____ to _____ ft.
- Mesh size _____ Type _____
_____ inches from _____ to _____ ft.
- Mesh size _____ Type _____
_____ inches from _____ to _____ ft.
- Mesh size _____ Type _____
_____ inches from _____ to _____ ft.

Gravel pack

- From 320 to 446 ft.
- From _____ to _____ ft.

Grout

- From 6 to 320 ft., Type Neat Cement
- From _____ to _____ ft., Type _____

2. WATER DATA • Water temperature _____ OF

- Static water level (unpumped level measured) 212'10" ft
- Stabilized measured pumping water level 340.17 ft
- Stabilized yield 80 gpm after 51 hours
- Natural Flow Yes _____ No flow rate _____ gpm
- Comment on quality _____

3. WATER ZONES: From 370 To 410

From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____

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 Welded Plate

- 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 _____, Disinfectant used _____
Amount _____, Hours used _____

8. ABANDONMENT (where applicable) • yes _____ no _____

Casing pulled yes _____ no _____ not applicable _____
Plugging grout From _____ to _____ material _____

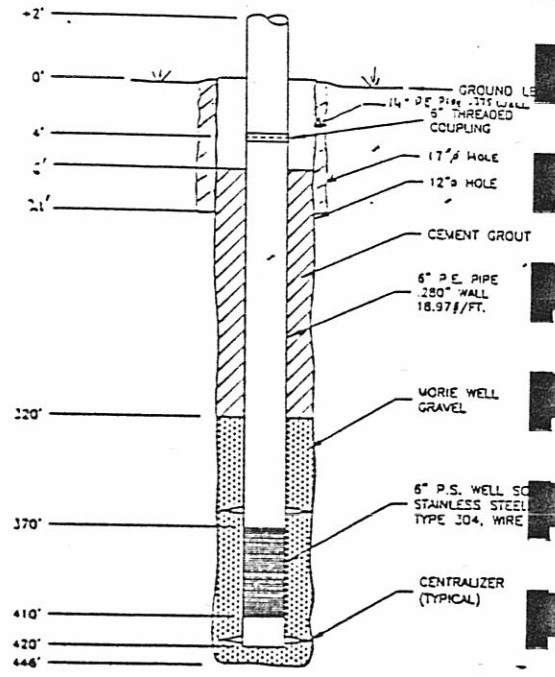
9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion report for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)

DEPTH (feet)		TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, (etc.))
From	To		
0	4	Top Soil	
4	22	Yellow Clay	
22	50	Sand Gravel Some Yellow Clay	
50	60	Sand & Yellow Clay	
60	108	Blue & Gray Clay, Some Shell	
108	148	Green & Gray Clay w/Shell	Mix
148	188	Black Sand, Clay & Shell	
188	208	Gray Sand, Clay & Shells	
208	240	Gray Clay & Shell	
240	300	Gray Clay	
300	313	Sand	
313	330	White Clay	
330	340	Gray Clay	
340	350	Brown Clay	
350	368	Multi Colored Clay	
368	412	Gray Sand, Streaks of Clay	
412	448	Red & Tan Clay Mix	

11. Drilling Time (Min.)

12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)



13. Well lot dedicated? _____; Size _____ ft. X _____ ft.; Well house? _____
 Distance to nearest pollutant source _____ ft., Type _____
 Distance to nearest property line _____ ft., Building _____ ft.

14. WATER SERVICE PIPE: Checked under _____ p.s.i. for _____ minutes. Pipe size _____ inches, Material _____
 Installer _____
 Date _____

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

Signature *Douglas H. Nelson* (Seal), Date 12/5/95
 (Well driller or authorized person)
 Douglas H. Nelson License No. 621, Class A

State Water Control Board Regional Offices

Valley Reg. Off.
 116 North Main Street
 P. O. Box 268
 Bridgewater, Va. 22812
 703-828-2595

Southwest Reg. Off.
 408 East Main Street
 P. O. Box 476
 Abingdon, Va. 24210
 703-628-5183

West Central Reg. Off.
 Executive Park
 3312 Peters Creek Road
 Roanoke, Va. 24019
 703-982-7432

Piedmont Reg. Off.
 4010 West Broad Street
 Suite 310 Pembroke No. 2
 Richmond, Va. 23230
 804-257-1006

Tidewater Reg. Off.
 287 Pembroke Office Park
 Suite 310 Pembroke No. 2
 Va. Beach, Va. 23462
 804-499-8742

Northern Virginia Reg. Off.
 5515 Cherokee Avenue
 Suite 404
 Alexandria, Va. 22312
 703-750-9111