

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

INTERVAL SHEET

Page 1 of 1

Well Repository No.: W-7353

Date rec'd: Date Processed: 1/22/97

Sample Interval: from 0 to 850'

PROPERTY: James City Sewer Authority

Number of samples: 85

COMPANY: Sydner W-1?

Total Depth: 850'

COUNTY: James City Co.

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10	350-60	700-10	-	-
10-20	60-70	10-20	-	-
20-30	70-80	20-30	-	-
30-40	80-90	30-40	-	-
40-50	90-400	40-50	-	-
50-60	400-10	750-60	-	-
60-70	10-20	60-70	-	-
70-80	20-30	70-80	-	-
80-90	30-40	80-90	-	-
90-100	40-50	90-800	-	-
100-10	450-60	800-10	-	-
10-20	60-70	10-20	-	-
20-30	70-80	20-30	-	-
30-40	80-90	30-40	-	-
40-50	90-500	40-50	-	-
150-60	500-10	-	-	-
60-70	10-20	-	-	-
70-80	20-30	-	-	-
80-90	30-40	-	-	-
90-200	40-50	-	-	-
200-10	550-60	-	-	-
10-20	60-70	-	-	-
20-30	70-80	-	-	-
30-40	80-90	-	-	-
40-50	90-600	-	-	-
250-60	600-10	-	-	-
60-70	10-20	-	-	-
70-80	20-30	-	-	-
80-90	30-40	-	-	-
90-300	40-50	-	-	-
300-10	650-60	-	-	-
10-20	60-70	-	-	-
20-30	70-80	-	-	-
30-40	80-90	-	-	-
40-50	90-700	-	-	-

W-7353

Form GW-2
1978-10,000

COMMONWEALTH OF VIRGINIA
WATER WELL COMPLETION REPORT

BWCM No. _____

(Certification of Completion/County Permit)

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

JCSA# 2B @ W-1
USGS# 56H39
DEQ# 147-261

County/City JAMES CITY 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 JAMES CITY SERVICE AUTHORITY

Well Designation or Number Well 2B @ W-1

Address 101 East Mounts May Road
Williamsburg, VA 23187-6785

Phone (804) 253-6850

Drilling Contractor Sydnor Hydrodynamics, Inc.

Address 2111 Magnolia Street
Richmond, VA 23223

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: 70 (feet/miles South direction) of Industrial Blvd.
and 600 feet/miles East (direction) of US Rt. 60
(If possible please include map showing location marked)

Date started 11-27-95 • Date completed 12-13-95 Type rig Mud Rotary

1. WELL DATA: New Reworked _____ Deepened _____

Total depth 826 ft.

Depth to bedrock _____ ft.

Hole size (Also include reamed zones)

- 17 inches from 0 to 43 ft.
- 13 inches from 43 to 826 ft.
- _____ inches from _____ to _____ ft.

Casing size (I.D.) and material

- 12 inches from +1 to 43 ft.
Material Steel Pipe, Seamless
Wt. per foot _____ or wall thickness .375 in.
- 5.11 inches from +2 to 815 ft.
Material Sch 80 PVC Certa-Lok
Wt. per foot 3.9 or wall thickness .375 in.
- _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.

Screen size and mesh for each zone (where applicable)

- 4 inches from 540' to 550' ft.
- Mesh size .020 Type 304 Stainless Steel
- 4 inches from 590 to 600 to 650 ft.
- Mesh size .020 Type 304 Stainless Steel
- 4 inches from 665 to 675 to 720 ft.
- Mesh size .020 Type 304 Stainless Steel
- 4 inches from 745 to 755 ft.
- Mesh size .020 Type 304 Stainless Steel
- 4 inches from 785 to 795 ft.
- Mesh size .020 Type 304 Stainless Steel

Gravel pack Moire #1 Well Sand

- From 470' to 826' ft.
- From _____ to _____ ft.

Grout

- From +1 to 470 ft., Type Neat Cement
- From _____ to _____ ft., Type _____

2. WATER DATA • Water temperature _____ OF

Static water level (unpumped level-measured) 183.2 ft

Stabilized measured pumping water level 191.282 ft

Stabilized yield 75 gpm after 4 hours

Natural Flow: Yes _____ No _____ flow rate _____ gpm

Comment on quality _____

3. WATER ZONES: From _____ To _____

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 Monitoring

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 PVC Cap

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 12/21/95, Disinfectant used HTH
Amount 5 Lbs., Hours used 24 Hours

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

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

**JAMES CITY SERVICE AUTHORITY
 MONITORING WELL 2B @ W-1
 USGS # 56H39 DEQ # 147-261
 FORMATION DESCRIPTION**

(GRANITE LIMESTONE, SAND, GRAVEL, ETC.)

DEPTH FROM	(FEET) TO	
0	1	Stone
1	23	Yellow Sand. Clay
23	32	Hard Pack, Drilling Slow
32	33	Drilling Rough, Low Circulation
33	43	No Return
43	90	Shells
90	100	Green and Shell
100	110	Green Clay Mix with Shells
110	130	Green Clay
130	180	Green Sandy Clay
180	200	Blue & Green Clay & Shells
200	201	Hard Shells
201	204	Blue Clay & Shells
204	235	Fine Sand & Shells
235	243	Fine Sand, Soft Shell Rock
243	244	Medium Shell Rock
244	252	Hard Shell Rock
252	254	Fine Sand & Soft Shell Rock
254	290	Black Sand
290	300	Brown Clay
300	320	Pink Clay
320	350	Black Sandy Clay
350	455	Gray Clay
455	490	Sand
490	500	Brown Clay
500	530	Red & Brown Clay
530	550	Sand
550	570	Sand mix with Clay
570	580	Sand & Red Clay
580	590	Sand
590	600	Coarse Sand
600	630	Sand
630	704	Gray Sand with Streak of Clay Mix
704	804	Gray Sand & Hard Rock Streak & Little Clay Mix
804	826	Coarse Sand