



WATER-RIGHT DOCKET

Prince William Forest Park

Docket No: 4

WELL #4

State Water Rights Documentation

00-00-0000: water well completion report

COMMONWEALTH OF VIRGINIA	
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT	
MAILING ADDRESS:	DIVISION OF MINERAL RESOURCES
Box 3667	JAMES L. CALVER, COMMISSIONER
Charlottesville, VA 22903	OFFICE ADDRESS:
	McCormick Road
	Charlottesville, Virginia
WATER WELL COMPLETION REPORT	
United States Department of Interior	1730 N. Lynn Street
OWNER: Prince William Forest Park	Mailing Address: Arlington, Virginia 22209
MANUFACTURER:	Mailing Address:
INSTALLER: Sydnor Hydrodynamics, Incorporated	Mailing Address: 1305 Brook Road, Post Office Box 14
	Richmond, Virginia 232
WELL LOCATION: County Prince William	Approx. 1 1/4 miles West (direction) of
Route 95	and 1 1/4 miles North (direction) of Route 619
GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC. - ON COUNTY HIGHWAY OR OTHER MAP.)	
DATE STARTED: June 25, 1968	DATE COMPLETED: June 26, 1968
TYPE OF DRILL RIG USED: Rotary	TOTAL DEPTH 100 feet
WATER LEVEL: Stands 8 feet below surface OR	
has NATURAL flow of _____ gallons per minute	
FIELD TEST: Method Submersible	HOLE SIZE: 11 inches from 0 to 39 feet
Drawdown 56 feet	6 inches from 39 to 100 feet
Rate 16 gal. per min.	_____ inches from _____ to _____ feet
Duration 7 1/2 hrs, _____ min.	SCREEN SIZE: _____ inches from _____ to _____ feet
WATER ZONES: from 44 to 44 1/2 feet	_____ inches from _____ to _____ feet
from 47 to 48 feet	_____ inches from _____ to _____ feet
from 75 to 76 feet	CASE SIZE: 6 inches from +2 to 39 feet
WATER: Color Clear Taste _____	_____ inches from _____ to _____ feet
Odor None Temp _____ °F	_____ inches from _____ to _____ feet
WELL TO SUPPLY: (check one) Home _____	GROUTING: Method Pressure
Farm _____ Town _____ School _____	Material Cement + Water Depth 39 feet
Industry _____ Other Park	PUMP: Type _____
WATER ANALYSIS AVAILABLE: Yes _____ No ☒ X	Capacity _____ gal per min
DRILL CUTTINGS SAVED: Yes ☒ X No _____	Depth of intake _____ feet
DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHED FREE OF CHARGE UPON REQUEST.)	
REMARKS: Well # 4	

Supporting Hydro Data

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc.DATE: July 3, 1968

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	1	Top Soil	
1	10	Clay	
10	18	Rotten Shale	
18	38	Soft Shale	
38	44	Solid Gray Granite	
44	44 $\frac{1}{2}$	Water Zone	
44 $\frac{1}{2}$	47	Gray Granite	
47	48	Water Zone	
48	75	Gray Granite	
75	76	Water Zone	
76	100	Gray Granite	

SYDNOR HYDRODYNAMICS, INC.

WELL TEST INFORMATION SHEET

CUSTOMER: PRINCE WILLIAM FOREST PARK DATE STARTED: 6/26/68DATE COMPLETED: 6/26/68LOCATION: Prince William County WELL TEST NO.: 1Well #4 JOB NUMBER: 14170

WELL DESCRIPTION: Sand or Screened Well () Rock Well (X)

Total Depth 100 Ft. Size 11 " to 39 ' and 6 " to 100 '.Casing Depth 39 Ft. Screens _____

Construction: Domestic (X) Class 11-B () 11-A () 1 ()

Static Water Level 8 Ft. Measured 6/26/68 DateDescription of Formations: 0-1 topsoil; 1-10 clay; 10-18 rotten
granite; 18-38 soft shale; 38-100 granite

TEST PUMP: Turbine () Sumo () Piston () Air () Bailer ()

Pump Intake 65 Ft. Below Ground; Air Line 63 Ft. Below GroundSize Pump Discharge 2 in. RX. Metering Device 55 gal. drumDescription of Pump 1 1/2 Hp. Franklin, single phase, 2 in. pump,
2 in. dischargeTEST DATA: Static Level Before Installing Pump 8 Ft.Air Line 24 PSI Before Starting Pump; Time of Measurement 900Time Test Pump Started 930; Time Test Pump Stopped 500Total Hours Pumped 7 1/2 Final Capacity 16 GPM @ 64 Ft.Static Level Ft., 12.4 Ft., 0 Hr. 30 Min. After Pump Stopped.

INSTRUCTIONS: For the first hour of pumping, take readings at least every 5 minutes and thereafter at least every 15 minutes. Obtain two 1-gallon representative samples of water near the end of the test. If possible, measure recovery for time equal to 1/3 length of the test.

TIME OF READING HR. MIN.	ORIFICE READING INCHES	TIME TO FILL CONT. MIN. SEC.	AIR LINE PSI	TAPE READING FEET	PUMP DISCHARGE GPM	PUMPING LEVEL FEET	REMARKS - (e. g., water clear, cloudy, taking air, etc.)
9:30		2-10	24		25 1/2	25.2	
9:35		2-10	16		25 1/2	36.4	
9:40		2-15	12		24 1/2	40.0	
9:45		2-15	10		24 1/2	44.6	
9:55		2-20	8		23 1/2	49.2	
10:00		2-20	6		23 1/2	49.2	
10:05		2-20	6		23 1/2	49.2	
10:10		2-20	6		23 1/2	49.2	
10:15		2-20	6		23 1/2	49.2	
10:20		2-20	6		23 1/2	49.2	
10:30		2-20	6		23 1/2	51.5	
10:45		2-20	5		23 1/2	53.8	
11:00		2-23	4		23	56.3	
11:15		2-25	3		23	57.1	
11:30		2-40	2		20 1/2	58.4	
12:00		2-45	0		20	-	
12:30		2-50	0		19	-	
1:00		3-0	0		18 1/3	-	
1:30		3-0	0		18 1/3	-	
2:00		3-0	0		18 1/3	-	
2:30		3-0	0		18 1/3	-	
3:00		3-15	0		17	-	
3:30		3-30	0		17	-	
4:00		3-30	0		16	-	
4:30		3-30	0		16	-	

CUSTOMER PRINCE WILLIAM Forest ParkLOCATION PRINCE WILLIAM Co.DATE 6-26-68DRILLER LYNWOOD SHIFFLETTWELL No. (4)

Well Diameter

66" Pipe Above Ground 2 ft.Ground Level 0Static Level 8 Ft."Pipe to 39 Ft.

Grouted to 39 ft.
 WATER ENTERING 44-44 1/2
47-47 1/2
75-76

Total Well Depth 100 Ft.

FINAL WELL TEST

16 GPM at 64 Ft.,Pump Setting 65 Ft.

If sand well, show screens and settings

Show grouting to proper depth if used,

Indicate open hole with wavy line.

Docket Information

Number of Documents in Docket 6

Documents Dated from to

Docket Compiled: 6/14/2011