

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

INTERVAL SHEET

Page 1 of 1

Well Repository No.: W- 7347

Date rec'd: Date Processed: 11-1-96

Sample Interval: from 0 to 400'

PROPERTY: Tom Moore (Wildwood Forest #639 N-3)

Number of samples: 40

COMPANY: Banner Well Drilling, Inc.

Total Depth: 400'

COUNTY: Culpeper

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	90-400	-	-	-
50-60	-	-	-	-
60-70	-	-	-	-
70-80	-	-	-	-
80-90	-	-	-	-
90-100	-	-	-	-
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	-	-	-	-

Unwashed only.

WATER WELL COMPLETION REPORT

(Certification of Completion/County Permit)

W-7347
• BWCM No. _____

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



County/City CULPEPER

VALLEY REGIONAL
County/City Stamp

SWCB Permit _____
 County Permit SD-88-441

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 _____

• Owner Tom Moore

• Well Designation or Number Wildwood Forest #639 N-3
 Address P. O. Box 525
Warrenton, VA 22186
 Phone (703)347-4249

• Drilling Contractor Burner Well Drilling, Inc.
 Address P. O. Box 98
McGaheysville, VA 22840
 Phone (703)289-9421

(SEE ATTACHED MAP)

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

WELL LOCATION: _____ (feet/miles) _____ direction) of _____
 and _____ (feet/miles) _____ direction) of _____
 (If possible please include map showing location marked)

Date started 9/21/88 • Date completed 9/29/88 Type rig Air rotary

I. WELL DATA: New Reworked _____ Deepened _____

• Total depth 400 ft.
 • Depth to bedrock 10 ft.

• Hole size (Also include reamed zones)
 • 12 inches from 0 to 56 ft.
 • 10 inches from 56 to 62 ft.
 • 8 inches from 62 to 220 ft.

• Casing size (I.D.) and material 220 400
 • 8 inches from +1 to 63 ft.
 Material steel
 Wt. per foot 29.25 or wall thickness .322 in.

• Screen size and mesh for each zone (where applicable)
 • _____ 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.
 Mesh size _____ Type _____

• Gravel pack
 • From _____ to _____ ft.
 • From _____ to _____ ft.

• Grout
 • From 0 to 56 ft., Type cement
 • From _____ to _____ ft., Type _____

2. WATER DATA • Water temperature _____ of _____

• Static water level (unpumped level-measured) 64.69 ft.
 • Stabilized measured pumping water level _____ ft.
 • Stabilized yield 50.77 gpm after 48 hour
 Natural Flow: Yes _____ No _____, flow rate _____ gpm
 Comment on quality Good

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 _____

• 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 _____, Disinfectant used _____
 Amount _____, Hours used _____

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

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

0-520'

Owner Tom Moore
Wildwood Forest

BWCM No. _____

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)

10. DRILLERS LOG (use additional Sheets if necessary)			11. Drilling Time (Min.)	12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)
DEPTH (feet)		TYPE OF ROCK OR SOIL		
From	To	(color, material, fossils, hardness, etc.)	(water, caving, cavities, broken, core, shot, (etc.))	
0	10	overburden		
10	11	quartz		
11	14	clay		
14	22	brown shale		
22	23	quartz		
23	44	brown shale & mica		
44	50	green & brown shale & quartz		
50	123	green granite & pink quartz		
123	142	lots of pink rock small amt. granite		
142	149	gray granite & pink quartz		
149	177	dark green granite		
177	179	soft w/water		
179	181	green granite		
181	183	soft		
183	188	green granite		
188	189	lots of water		
189	203	green granite		
203	208	green granite & white rock		
208	210	soft		
210	214	green granite w/white rock		
214	233	dark green granite		
233	250	green granite & pink quartz		
250	258	green granite & pink quartz		
258	276	soft pink quartz		
276	297	green granite & pink quartz		
297	302	dark green granite		
302	400	green granite & pink quartz		

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.

State Water Control Board Regional Offices

Valley Reg. Off.
 116 North Main Street
 P. O. Box 268
 Bridgewater, Va. 22812
 703-826-2595

Piedmont Reg. Off.
 4010 West Broad Street
 P. O. Box 6616
 Richmond, Va. 23230
 804-257-1006

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

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

West Central Reg. Off.
 Executive Park
 5312 Peters Creek Road
 Roanoke, Va. 24019
 703-982-7432

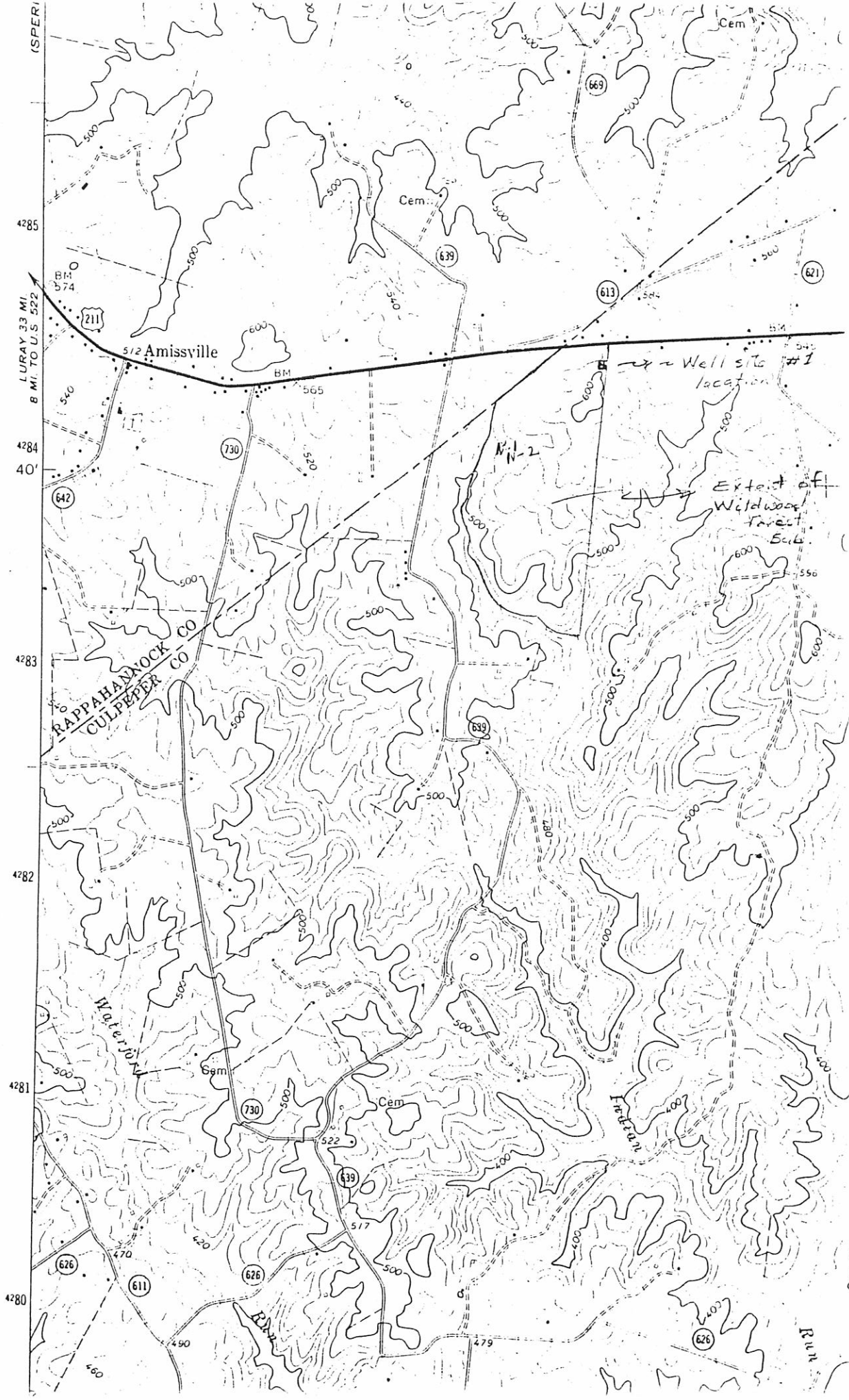
Northern Virginia Reg. Off.
 5515 Cherokee Avenue
 Suite 404
 Alexandria, Va. 22312
 703-750-9111

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 [Signature] (Seal) Date 10/12/88
 (Well driller or authorized person) License No. 13146

Wildwood Forest
C. J. ... Co.
(Jeffersonian
Route U.S.G.S.
Topo. map)



BURNER WELL DRILLING, INC.

Well Depth 400 ft.
 Static Level 64.69
 Pump Setting 210' of 3" ga

Project: Wildwood Forest, Inc./Tom Moore 8" well

TIME OF READING HR: MIN.	SIZE CONTAINER 55 gallon	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.)
10/12/88 3:00 PM		10	↑	74.27	330.00	72.27	started test
3:02		10		106.65	330.00	104.65	clearing
3:04		10		113.20	330.00	111.20	clearing
3:06		10		120.74	330.00	118.74	clearing
3:08		10		129.83	330.00	127.83	clearing
3:10		10		142.13	330.00	140.13	clearing
3:15		10		148.51	330.00	146.51	clearing
3:20		10		153.66	330.00	151.66	clearing
3:25		10		160.65	330.00	158.65	clearing
3:30		10		164.09	330.00	162.09	clearing
3:40		10		170.26	330.00	168.26	clearing
3:50		10		174.10	330.00	172.10	clearing
4:00		10		177.80	330.00	175.80	clearing
4:10		10	N/A	179.60	330.00	177.60	clearing
4:20		10		182.40	330.00	180.40	clearing
4:30		10		184.41	330.00	182.41	clearing
4:45		10		186.44	330.00	184.44	clearing
5:00		11		188.79	300.00	186.79	clearing
5:15		11		188.40	300.00	186.40	clearing
5:30		11		188.75	300.00	186.75	clearing
6:00		11		188.69	300.00	186.69	clearing
7:00		12		197.45	275.00	195.45	clearing - restrict flow
8:00		15		193.72	220.00	191.72	clearing
9:00		16		206.05	206.25	204.05	clearing - restrict flow
10:00		22		199.00	150.00	197.00	clearing - restrict flow
11:00		23	↓	203.40	143.48	201.40	clearing - restrict flow

DATE: 10/12/88

DATA BY: Roger L. Moyer, & Carson Hensley DATA SHEET NO. 1 of 4

BURNER WELL DRILLING, INC.

Well Depth 400 ft.
 Static Level 64.69
 Pump Setting 210' of 3" ga

Project: Wildwood Forest, Inc. / Tom Moore 8" well

TIME OF READING HR: MIN.	SIZE CONTAINER 55 gallon	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.)
midnight 12:00 10/13/88		25	↑	206.15	132.00	204.15	restricted clearing - flow
1:00 AM		30		196.60	132.00	194.60	clearing
2:00		30		197.05	106.46	195.05	clearing
3:00		31		197.57	106.46	195.57	clearing
4:00		31		198.22	106.46	196.22	clearing
5:00		31		198.87	106.46	196.87	clearing
6:00		31		199.51	106.46	197.51	clearing
7:00		31		200.16	106.46	198.16	clearing
8:00		31		202.93	106.46	200.93	restricted clearing - flow
9:00		31		198.10	106.46	196.10	clearing
10:00		32	N/A	200.72	103.13	198.72	clearing
11:00		32		201.42	103.13	199.42	clearing
Noon 12:00		32		202.33	103.13	200.33	clearing
1:00 PM		32		203.55	100.00	201.55	clearing
2:00		33		205.23	100.00	203.23	clearing
3:00		33		206.96	100.00	204.96	clearing
4:00		33		208.70	100.00	206.70	restricted taking air- flow
5:00		37		209.27	89.19	207.27	clearing
6:00		39		210.13	84.62	208.13	restricted taking air- flow
7:00		42		207.72	78.58	205.72	clearing
8:00		43	207.71	76.75	205.71	clearing	
9:00		43	209.12	76.75	207.12	restrictede taking air - flow	
10:00		53		202.00	62.27	200.00	clearing
11:00		53		201.78	62.27	199.78	clearing
midnight 12:00 10/14/88		54		201.46	61.12	199.46	clearing
1:00 AM		54		203.65	61.12	201.65	clearing

DATE: 10/13-14, 1988 DATA BY: Carson Hensley & Roger L. Moyer DATA SHEET NO. 2 of 2

BURNER WELL DRILLING, INC.

Well Depth 400 ft.
 Static Level 64.69
 Pump Setting 210' of 3" ga

Project: Wildwood Forest, Inc. / Tom Moore 8" well

TIME OF READING HR: MIN.	SIZE CONTAINER 55 gallon	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.)
10/14/88 2:00 AM		54	↑	205.89	61.12	203.89	clearing
3:00		54	↑	208.15	61.12	206.15	taking air - restrict flow
4:00		56	↑	200.12	58.93	198.12	clearing
5:00		56	↑	207.47	58.93	205.47	clearing
6:00		58	↑	210.01	56.90	208.01	taking air
7:00		65	↑	206.15	50.77	204.15	restricted taking air-flow
8:00		65	N/A	205.38	50.77	203.38	clearing
9:00		65	N/A	205.43	50.77	203.43	clearing
10:00		65	N/A	205.50	50.77	203.50	clearing
11:00		65	N/A	205.46	50.77	203.46	clearing
Noon 12:00		65	N/A	205.72	50.77	203.72	clearing
1:00PM		65	N/A	205.83	50.77	203.83	clearing
2:00		65	N/A	205.91	50.77	203.91	clearing
3:00		65	N/A	205.94	50.77	203.94	clearing

BURNER WELL DRILLING, INC.

Well Depth 400 ft.
 Static Level 64.69 ft.
 Pump Setting 210' of 3" g

Project: Wildwood Forest, Inc./ Tom Moore 8" well

TIME OF READING HR: MIN.	SIZE CONTAINER 55 gallon	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.)
10/14/88	R	E C O V E R Y	Y	R A T E			
3:00 PM				205.91		203.91	
3:01				188.30		186.30	
3:02				189.30		187.30	
3:03				189.32		187.32	
3:04				189.21		187.21	
3:05				189.10		187.10	
3:06				189.02		187.02	
3:07				188.91		186.71	
3:08				188.75		186.75	
3:09				188.71		186.71	
3:10				188.70		186.70	
3:13				188.60		186.60	
3:16				188.36		186.36	
3:19				188.33		186.33	
3:22				188.13		186.13	
3:25				188.05		186.05	
3:30				187.82		185.82	
3:35				187.60		185.60	
3:40				187.35		185.35	
3:50				187.07		185.07	
4:00				186.52		184.52	
4:10				186.16		184.16	
4:25				185.65		183.65	
4:40				185.30		183.30	
4:55				184.82		182.82	