

DATE: 18 June 1979

INSTALLATION: Alton Park - Community CERTIFIED CLASS: n/a
COUNTY: Franklin
LOCATION: North of and adjacent to State Route 40, five miles west of Rocky Mount, Virginia
OWNER: Aubon Water Company
106 ~~Randolph Street~~ 70 S MAIN
Rocky Mount, VA 24151 540-463-1286
OPERATOR: G. Ray Boone using private lab
PERMIT NO. 5067020 1/24/80 BEW
DATE ISSUED: 18 June 1979
TYPE OF TREATMENT: None
SOURCE: One drilled well
DESIGN BASIS: 24 existing residential connections

DESCRIPTION OF SYSTEM:

The source of water is obtained from drilled Well #1. The well is 110 feet deep, cased 52 feet and grouted 50 feet. The well is equipped with a 10-gpm submersible pump which discharges directly to a 2500-gallon pressure tank and/or to a 315-gallon pressure tank. When the 2500-gallon pressure tank is used, a centrifugal booster pump transfers water from the large to the smaller pressure tank and then water is supplied to the system. The well is housed in a 5' x 2' x 2.5' concrete block structure with lift-off roof. The well is provided with 6-inch casing, sanitary seal, and screened casing vent.

A larger 10' x 10' concrete block building houses the 315-gallon pressure tank, one end of the 2500-gallon tank, and the booster pump. The building is provided with electric heater and floor drain.

A second well interconnected with the Maddie Wade supply is not in service.

DESIGN BASIS:

Source Capacity: $\frac{10 \text{ gpm}}{0.5 \text{ gpm/equivalent residential connection (ERC)}} = 20 \text{ ERC}$

Storage Capacity: $\frac{2815 (1/3) \text{ gal.}}{20 \text{ gal/ERC}} = 5 \text{ ERC}$

Existing: 24 residential connections

SNS : gB

Return Page 1-12

$\begin{matrix} 15 \times 8 \\ 56 \times 16 \end{matrix}$
 ATINO TANK 5643 gal
 HP TANK 2843

2 WELLS

WELL YIELD REPORT

Name: Altow Park County: Franklin

Location: 100 yards from Main Treatment Building

Well Number: 3 Class: IRB Size: 6 (inches)

Depth: 320 (ft.) Static Water Level: 152.84 (ft.)

Test Pump Brand & Model: 2 hp. Davids HP: 2

Depth of Pump: 285 (ft.) Airline Length: 280 (ft.)

Name & Address of Company Performing Test: Petco Environmental, 1802 Murry Road, Suite 0
Roanoke Va. 24068

Notes: All measurements are from top of casing.

- (1) Water above pump, ft = air line pressure, psi x 2.31 + (pump depth - air line length)
- (2) Depth to water, ft = air line length, ft - (air line pressure, psi x 2.31 ft/psi)
- (3) Depth to water, ft = distance from top of casing to water level

Date & Time Test Started: 5-7-01 / 11308

Start	1308	64	152.84	132.16	8	707687	8
5 min	1313	64	152.84	132.16	8	707842	31
5 min	1318	64	152.84	132.16	8	707997	31
5 min	1323	64	152.84	132.16	8	708152	31
5 min	1328	62	148.22	136.78	4.62	708307	31
5 min	1333	62	148.22	136.78	8	708462	31
5 min	1338	62	148.22	136.78	8	708617	31
15 min	1353	62	148.22	136.78	8	708772	31
15 min	1408	60	143.60	141.90	4.62	709237	31
15 min	1423	60	143.60	141.90	8	709702	31
15 min	1438	60	143.60	141.90	8	710167	31
15 min	1453	60	143.60	141.90	8	710632	31
15 min	1508	60	143.60	141.90	8	711097	31
1 hr	1608	54	129.74	155.26	13.86	712837	27
1 hr	1708	50	120.50	164.50	9.24	714457	27
1 hr	1808	46	111.26	173.74	9.24	716097	27
1 hr	1908	38	92.78	192.22	18.48	717697	27



Time (hr:min)	Time of day	Altitude (ft)	Wind Speed (mph)	Wind Dir (deg)	Temp (deg F)	Humidity (%)	Pressure (in Hg)
2008 1 hr	2008	32	78.92	206.08	13.86	719207	2.6
2108 1 hr	2108	26	65.06	219.94	13.86	720817	2.7
2208 1 hr	2208	26	65.06	219.94	8	721917	18.3
1 hr	2308	26	65.06	219.94	8	722697	20.3
1 hr	2408	26	63.75	222.25	2.31	723867	22
1 hr	0108	24	60.94	224.56	2.31	725182	20.8
1 hr	0208	22	55.82	229.18	4.62	726937	22.3
1 hr	0308	22	55.82	229.18	8	727777	20.2
1 hr	0408	22	55.82	229.18	8	728987	20.5
1 hr	0508	22	55.82	229.18	8	730217	20.3
1 hr	0608	22	55.82	229.18	8	731437	18.0
1 hr	0708	22	11	11	11	732577	17.7
1 hr	0808	22	11	11	11	733577	21.0
1 hr	0908	22	11	11	11	734837	20
1 hr	1008	22	11	11	11	736037	21
1 hr	1108	22	11	11	11	737297	20.2
1 hr	1208	22	11	11	11	738507	19.0
1 hr	1308	22	11	11	11	739627	19.0
1 hr	1408	22	11	11	11	740767	19.0
1 hr	1508	22	11	11	11	741907	20.5
1 hr	1608	22	11	11	11	743137	20.5
1 hr	1708	22	11	11	11	744367	20.5
1 hr	1808	22	11	11	11	745597	21.5
1 hr	1908	22	11	11	11	746887	21.5
1 hr	2008	22	11	11	11	748177	20.8
1 hr	2108	22	11	11	11	749427	18.3
1 hr	2208	22	11	11	11	750627	17.7
1 hr	2308	22	11	11	11	751587	18.5
1 hr	2408	22	11	11	11	752697	18.3
1 hr	0108	22	11	11	11	753797	18.7
1 hr	0208	22	11	11	11	754917	19.0
1 hr	0308	22	11	11	11	756057	19.0
1 hr	0408	22	11	11	11	757197	19.0
1 hr	0508	22	11	11	11	758337	20.7
1 hr	0608	22	11	11	11	759557	20.2
1 hr	0708	22	11	11	11	760797	20
1 hr	0808	22	11	11	11	761997	20
1 hr	0908	22	11	11	11	763197	19
1 hr	1008	22	11	11	11	764337	19
1 hr	1108	22	11	11	11	765477	19.6
1 hr	1208	22	11	11	11	766657	21.5
1 hr	1308	22	11	11	11	767997	

The 0108
Box 76
20 gram

WELL RECOVERY

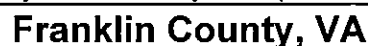
Date: 5-9-08

Note:

- (1) Well recovery period shall start as the pump test ends
- (2) Well recovery period shall be 30-minute intervals for 2 hours

Time	Flow Rate (gpm)	Pressure (psi)	Pressure (psi)	Pressure (psi)
1308	22	55.81	229.18	0
1338	64	152.84	132.16	92.02
1408	64	152.84	132.16	0
1438	64	152.84	132.16	0
1508	64	152.84	132.16	0


Signature



Parcels

Deed book: 312
Deed page: 121
Plat page: 0
District: BW
Grantor: FERGUSON LORA MOORE

School Districts School District: Ferrum	Magisterial Election Districts ABDistrict: 5 Name: Blackwater Supervisor: Cline Brubaker	
Precincts and Political Districts Precinct Name: Wadsworth House District: 9 Senate District: 19	Voting Precincts Name: Wadsworth White Population: 1403 Black Population: 118 Other Population: 1	Franklin County Zoning Zoning Class: NZ Proffers: Case Number: Date Approved: Null Previous Case: Previous1: Previous2:

Watersheds HUC: 3010101 HUPNAME: UPPER PIGG RIVER	Soil Type Soil Type: 7C Soil ID: 581948 Name: Clifford fine sandy loam, 8 to 15 percent slopes	
--	--	--

<http://www.webgis.net> Anderson & Associates, Inc. <http://www.andassoc.com>

init: start

init: done

addGridLayoutColumn(30, Shape_Le_1, 45) Could not find field [Shape_Le_1].

addGridLayoutColumn(30, RuleID, 45) Could not find field [RuleID].