

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 Loudoun County

County/City Stamp

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 <u>508400</u> N <u>2211800</u> E Latitude & Longitude _____ N _____ W
• Topo. Map No. <u>216D</u>
• Elevation _____ ft.
• Formation _____
• Lithology _____
• River Basin _____
• Province _____
• Type Logs <u>Drillers</u>
• Cuttings _____
• Water Analysis _____
• Aquifer Test _____

• Owner Edward M. Johnson
 • Well Designation or Number 27FSW87
 Address 1341 Kirby Rd.
McLean, Va. 22101
 Phone 525-2340

• Drilling Contractor Valley Drilling Corp. of Va.
 Address Rt. 1 Box 6K
Upperville, Va. 22176
 Phone 592-3239

WELL LOCATION: Rt. 50 east left on Rt. 611 past
 _____ (feet/miles _____ direction) of Byrn Du Farm Stable
 and next feet/miles _____ (direction) of drive way on left
 (If possible please include map showing location marked)

Date started 6/23/87 • Date completed 6/24/87 Type rig Rotary

Tax Map I.D. No. <u>55-44- Tract</u>
Subdivision _____
Section _____
Block _____
Lot _____
Class Well I _____ IIA _____
IIB _____ IIIA <u>x</u> IIIB _____
IIIC _____ IIID _____ IIIE _____

1. WELL DATA: New x Reworked _____ Deepened _____

• Total depth 405 ft.

• Depth to bedrock 12 ft.

• Hole size (Also include reamed zones)

- 10 inches from 0 to 44 ft.
- 6 inches from 44 to 405 ft.
- _____ inches from _____ to _____ ft.

• Casing size (I.D.) and material

- 6 inches from +1 to 43 ft.
Material Steel
Wt. per foot 13# or wall thickness 188 in.
- _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.
- _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ 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 25 ft., Type Cement
- From _____ to _____ ft., Type _____

2. WATER DATA • Water temperature _____ 56 °F

- Static water level (unpumped level-measured) _____ 22 ft
- Stabilized measured pumping water level _____ ft
- Stabilized yield 7 gpm after 2½ hours

Natural Flow: Yes _____ No x flow rate: _____ gpm

Comment on quality Clear

3. WATER ZONES: From _____ To 1 gal @ 60
 From _____ To _____ From 6 Gals To @ 390
 From _____ To _____ From _____ To _____

4. USE DATA:

Type of use: Drinking x Livestock Watering _____
 Irrigation _____ Food processing _____ Household x
 Manufacturing _____ Fire safety _____ Cleaning _____
 Recreation _____ Aesthetic _____ Cooling or heating _____
 Injection _____ Other _____

• Type of facility Domestic x 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 _____

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)			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	12	Overburden		
12	405	Granite		



13. Well let 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 Peggy D. King (Seal), Date 6/25/87
 (Well driller or authorized person) License No. W-103

State Water Control Board Regional Offices

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

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
 9312 Peters Creek Road
 Roanoke, Va. 24019
 703-982-7432

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

WATER WELL DATA BASE

WELL-ID: WWA-8F-0660

TAX-NUM: 55 (13) B1

P-MAP: 562

B-MAP: W

COMP-DATE: 4/27/88

SEC IN DC BL LOT# S

CONTRA-#: Valley

BASE-ELEV: 385 STAT-DEPTH: 22

STAT-ELEV:

TOT-YIELD: 7 TOT-DEPTH: 405

YIELD-TEST: 1

PRIM-YIELD: 6 PRIM-DEPTH: 390

PRIM-ELEV:

SEC-YIELD: 1 SEC-DEPTH: 60

SEC-ELEV:

TER-YIELD:

TER-ELEV:

BEDROCK-DEPTH: 12 BEDROCK-ELEV:

***** GEOLOGY *****

SURFACE: SUBSURFACE: TRANSM: STOR-COEF:

HYDROFRACK: ..

SURF-WATER-ELEV: 360

WELL-DIAM: 6 CASING-DEPTH: 43

GROUT-DEPTH: 25

BACT-TEST#: NT

GW-2: 7

STATUS: 0.5

TAX MAP NUMBER 55(13)131 APPLICATION NUMBER 826 ES 97

OWNER LEE DATE 10 17 97

SEWAGE DISPOSAL CONSTRUCTION PERMIT WATER SUPPLY CONSTRUCTION PERMIT - Drilled Well

LOC. 1 LOC. 1

See page 3

See D.F. Location Pool house

This system is designed for a 1 bedroom house with a maximum use of 300 gallons per day.

Class IIb Private Minimum case and grout feet.

Satisfactory bacteriological sample required prior to occupancy or well use.

Class IIc Private Minimum case and grout 20 feet, or bedrock + 10 feet, whichever is greater.

Required source capacity 200 gallons per day.

Class IIb Other

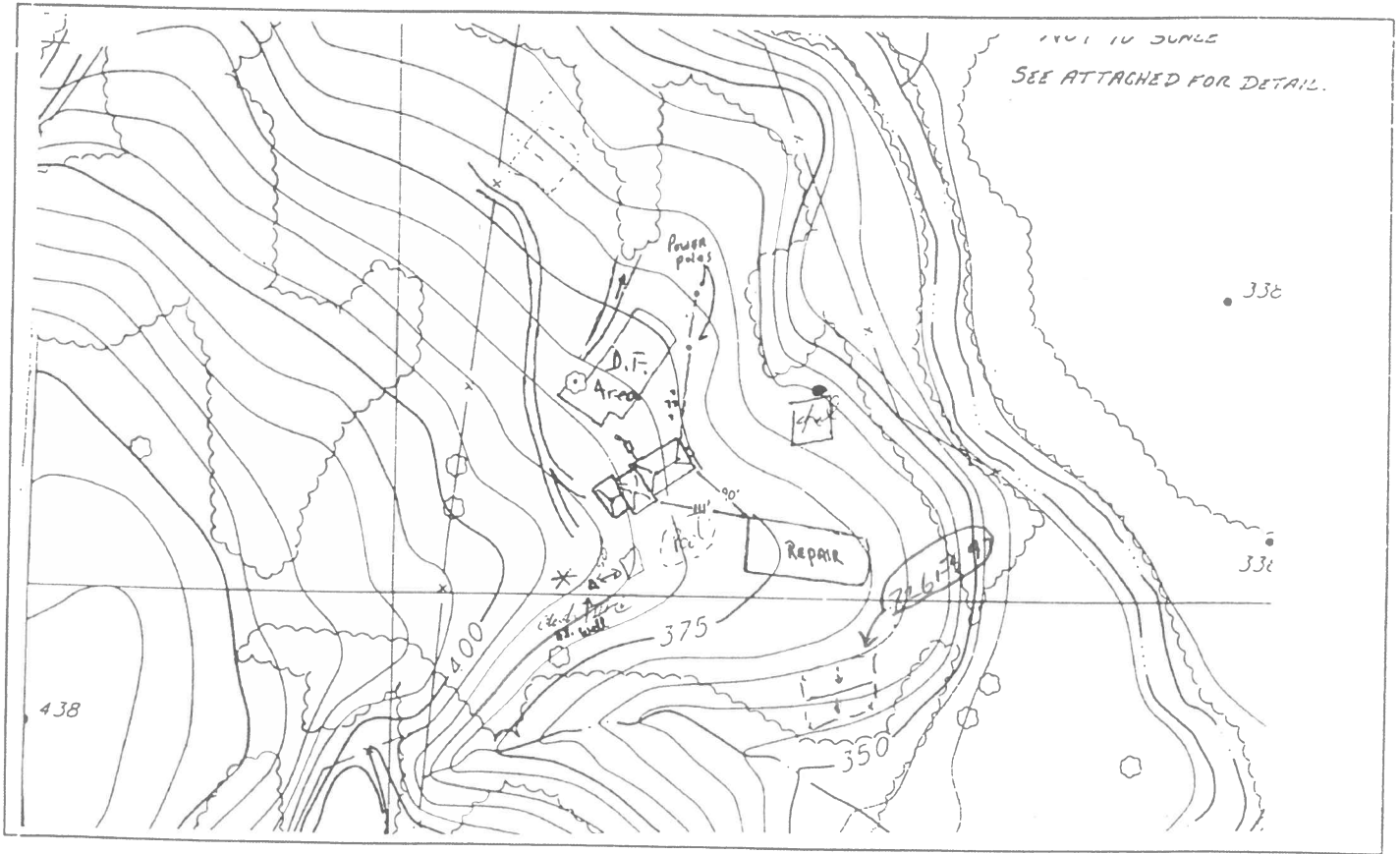
SCALE 1" = 200' (1: 2400)

PLANIMETRIC MAP 562

MAP SOURCE Loudoun County Photogrammetric Base Maps USGS 7-1/2 Minute Quadrangle Sheets, Enlarged

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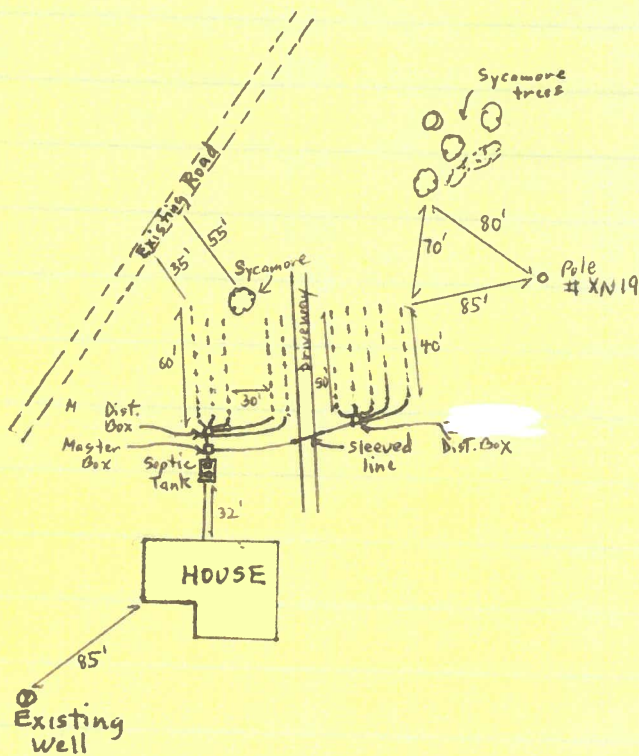
* need to obtain exception for building the pool house closer than 100' from the ex. well



John Hafner
#55 / 44 B1

Schooley Contractors
882-3385

566 FS 87 A (revised)



11-24-87

JRS