

COMMONWEALTH OF VIRGINIA
WATER WELL COMPLETION REPORT

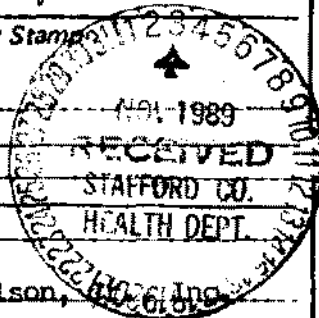
BWCM No. _____

Certification of Completion (County Permit)

Empire Drilling Co. Inc.
Reginald Henkle
P.O. Box 8420
Fredericksburg, Va. 22404

County/City Stafford

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

189-89-86 430/19 was handbook
Tax Map I.D. No. 41-18
Subdivision Surf Farm
Section _____
Block _____
Lot #1
Class Well: I _____ IIA _____
IIB _____ IIIA IIIB _____
IIIC _____ IIID _____ IIIE _____

Virginia Plane Coordinates
N _____
E _____
Latitude & Longitude _____
N _____
W _____
Topo. Map No. 182D
Elevation _____ ft.
Formation _____
Lithology _____
River Basin _____
Province _____
Type Logs D. L.
Cuttings N. A.
Water Analysis _____
Aquifer Test _____

Owner _____
Well Designation or Number _____
Address _____
Phone _____
Drilling Contractor John L. Danielson, Inc.
Address 4616 Hood Drive
Fredericksburg, Virginia 22401
Phone (703) 898-6025

WELL LOCATION: _____ (feet/miles _____ direction) of _____
and _____ (feet/miles _____ direction) of _____
(If possible please include map showing location marked) Marlborough Pl (off 6816621)
Date started 10/24/89 • Date completed 10/25/89 Type rig Air Rotary

Approximate Drawdown 30 feet.

WELL DATA: New Reworked _____ Deepened _____
Total depth 240 ft.
Depth to bedrock _____ ft.
Hole size (Also include reamed zones)
• 10 inches from _____ to _____ ft.
• 6 1/2 inches from _____ to _____ ft.
• _____ inches from _____ to _____ ft.
Casing size (I.D.) and material
• 6 1/4 inches from +1 to 130 ft.
Material P.V.C.
Wt. per foot _____ or wall thickness _____ in.
• 4 inches from 120 to 220 ft.
Material P.V.C. Well Casing - Lines
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)
• 4 inches from 220 to 240 ft.
• Mesh size .020 Type P.V.C.
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
Gravel pack
• From 20 to 130 ft.
• From _____ to _____ ft.
Grout
• From _____ to _____ ft. Type Neat Cement
• From _____ to _____ ft. Type _____

2. WATER DATA • Water temperature _____ of _____
• Static water level (unpumped level-measured) 60 ft
• Stabilized measured pumping water level 9.0 ft
• Stabilized yield 30 gpm after 1 hour
Natural Flow: Yes _____ No Flow rate _____ gpm
Comment on quality _____
3. WATER ZONES: From 220 To 238
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 _____
Pump installed through Empire

Installed Watertight top
Suggest setting pump approx. 110'
OVER

Empire
 Owner For Sale - Pump Farm #1
Off #1 & #2
(Marlborough Pt.)

ALBERT
 C. OLDE GREENWICH DRILL
 374

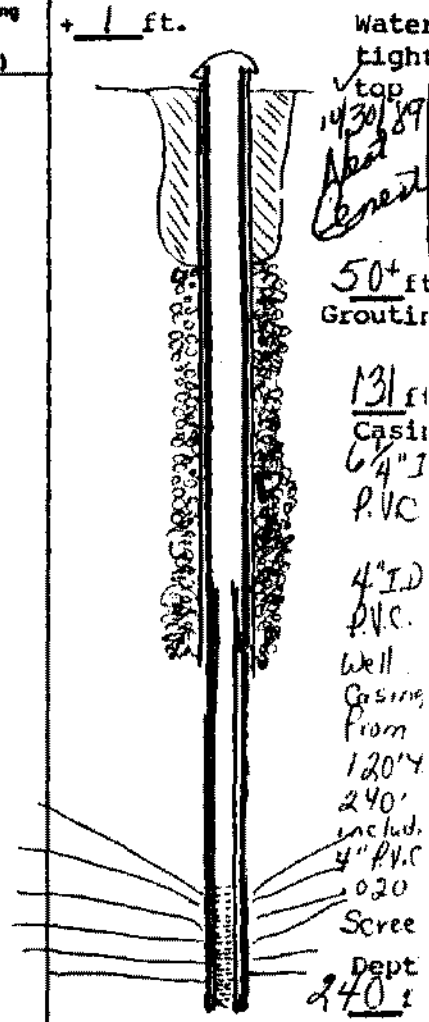
9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells intended for water, or any other non-exempt well. This information must be submitted whether the well is complete. Information required includes: an accurately and completely prepared water well completion report, full data from any cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill may be required of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well report for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)

| DEPTH (feet) | | TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.) | REMARKS (water, caving, cavities, broken, core, shot, etc.) | Drilling Time (Min.) |
|--------------|-----|--|--|----------------------|
| From | To | | | |
| 0 | 40 | yellow sand | | |
| 40 | 120 | black sand & shells | | |
| 120 | 180 | brown clay | | |
| 180 | 220 | grey clay | | |
| 220 | 238 | grey sand | | |
| 238 | 240 | brown clay | | |

Approximate Water Zones
 220 to 238

11. 12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)



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.

14. WATER SERVICE PIPE: Checked under _____ p.s.i. for _____ minutes. Pipe size _____ inches, Material _____
 Installer _____
 Date _____

- 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
3312 Peters Creek Road
Roanoke, Va. 24019
703-982-7432
 - Northern Virginia Reg. Off.
5515 Cherokee Avenue
Suite 404
Alexandria, Va. 22312
703-750-9111

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 Ann T. Daniels (Seal), Date 10/30/89
 (Well driller - authorized person) License No. _____