

OWNER: Ornamental Iron and Prison Works
DRILLER: Nelson-Roanoke Corporation
COUNTY: Roanoke (Starkey)

VDMR: 2029
WWCR: 465
TOTAL DEPTH: 163'

GEOLOGIC LOG

Depth in feet

| | |
|---------|---|
| 0-10 | Clay, sand, and weathered sandstone |
| 10-20 | " |
| 20-30 | " |
| 30-40 | " |
| 40-50 | " |
| 50-60 | " |
| 60-70 | " |
| 70-80 | " |
| 80-90 | " |
| 90-100 | " |
| 100-110 | " |
| 110-120 | " |
| 120-130 | " |
| 130-140 | Dolomite - light-gray, fine-grained, microcrystalline |
| 140-150 | " |
| 150-160 | " |
| 160-163 | No sample |

GEOLOGIC SUMMARY

| <u>Rock Unit</u> | <u>Age</u> |
|------------------|------------|
| Rome Formation | Cambrian |

Virginia Division of Mineral Resources
W. W. Winters, Geologist
November 1967

Note: Steeply dipping red shales of the Rome Formation are exposed in a broad area around the well site making it seem unlikely that clay, sand, and weathered sandstone are present to a depth of 130 feet.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

VDMR: 2029
WWCR: 465

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

P. 3667
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Ornamental Iron and Prison Works Mailing Address: 2217 Shenandoah Avenue

TENANT: _____ Mailing Address: _____

DRILLER: Nelson-Roanoke Corporation Mailing Address: 901 11th Street, Roanoke, VA

WELL LOCATION: County Roanoke Approx. 3 ~~miles~~ ^{****} miles northeast (direction) of
Starkey and 800 ^{feet} ~~miles~~ ^{****} northwest (direction) of St. Rte. 419

(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC. - ON COUNTY HIGHWAY OR OTHER MAP.)

DATE STARTED: 7/20/67 DATE COMPLETED: 8/2/67

TYPE OF DRILL RIG USED: Reichdrill TOTAL DEPTH 163 feet

WATER LEVEL: Stands 50 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Submersible Pump

Drawdown None feet

Rate 20 gal. per min.

Duration 48 hrs., _____ min.

HOLE SIZE: 10 5/8 inches from 0 to 140 feet

6 inches from 140 to 163 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 6 1/4 inches from 0 to 136 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

WATER ZONES: from 145 to _____ feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color Clear * Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry X Other _____

GROUTING: Method _____

Material cement/sand Depth 140 feet

PUMP: Type Jacuzzi Submersible

Capacity 30 gal. per min

Depth of intake 153 feet

WATER ANALYSIS AVAILABLE: Yes _____ No X

DRILL CUTTINGS SAVED: Yes X No _____

(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: * Considerable amount of muddy water pumped clear after 2 1/2 hours pumping with drill machine and 30 hours pumping with pump.

FURNISHED BY: Nelson-Roanoke Corporation

DATE: 10/25/67

| DEPTH (feet) | | TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.) | REMARKS (water, caving, shot, screen, sample, etc.) |
|--------------|-----|--|--|
| FROM | TO | | |
| 0 | 136 | Clay | |
| 136 | 163 | Limestone | |