

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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WATER WELL COMPLETION REPORT

OWNER: U.S. Forest Service Mailing Address: P.O. Box 2847 - Roanoke, Va.

TENANT: Cave Springs Area, Jeff. Nat'l. Forest Mailing Address: _____

DRILLER: Frank W. Martin Drilling Co., Inc. Mailing Address: 5163 Starkey Rd., SW, Roanoke, Va.

WELL LOCATION: County Lee Approx. 1 1/2 ~~feet~~ ^{miles} northwest (direction) of Dryden and 100 ~~miles~~ ^{feet} west (direction) of St. Rd. 621

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

DATE STARTED: February 18, 1969 DATE COMPLETED: February 21, 1969

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 160 feet

WATER LEVEL: Stands 33.81 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method pump
Drawdown _____ feet
Rate 20 gal. per min.
Duration 24 hrs., 0 min.

HOLE SIZE: 10 inches from 0 to 53 1/2 feet
6 inches from 53 1/2 to 160 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 120 to _____ feet
from _____ to _____ feet
from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER: Color _____ Taste _____
Odor _____ Temp. _____ °F

CASE SIZE: 6" heavy wall 19-lb _____ inches from 0 to 55 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WELL TO SUPPLY: (check one) Home _____
Farm _____ Town _____ School _____
Industry _____ Other campground

GROUTING: Method pumped
Material cement Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No x

PUMP: Type submersible
Capacity _____ 60 gal. per min
Depth of intake 151 feet

DRILL CUTTINGS SAVED: Yes 15 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: Well #2

FURNISHED BY: Frank W. Martin Drilling Co. Inc. DATE: March 11, 1969

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	30	Dirt and boulders	
30	160	Gray rock	

OWNER: U. S. Forest Service (Cave Springs #2)
DRILLER: F. W. Martin Drilling Co.
COUNTY: Lee (Dryden)

W: 2485
C: 5
TOTAL DEPTH: 160'

GEOLOGIC LOG

Depth
in feet

0-10	Siltstone and sandstone – light brown to buff; very fine to coarse grained, subrounded to angular; slightly micaceous in silty portion; clayey; a few grains of ironstone; hard to friable; little porosity
10-20	Siltstone and sandstone – light brown to light greenish-gray; very fine to coarse grained, subrounded to angular; slightly micaceous, lithic; traces of magnetite (?) and ironstone; hard; little porosity
20-30	Siltstone – blackish-gray; shaly, slightly micaceous and carbonaceous; little porosity
30-40	"
40-50	" gray
50-60	Siltstone – gray; shaly, slightly micaceous and carbonaceous; little porosity
60-70	Shale – gray; silty, slightly micaceous and carbonaceous; firm
70-80	"
80-90	Siltstone – gray; shaly, slightly micaceous and carbonaceous; firm
90-100	" little porosity
100-110	" "
110-120	" "
120-130	No sample
130-140	Shale – gray; silty, micaceous and carbonaceous
140-150	Siltstone – gray; shaly, micaceous and carbonaceous; little porosity

