

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W# 5811
C# 222

MAILING ADDRESS:
Box 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES
JAMES L. CALVER, COMMISSIONER
WATER WELL COMPLETION REPORT

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: Faith Baptist Church Mailing Address: 1226 W. Roslyn Rd., Col. Hgts., VA.

TENANT: Mailing Address:

DRILLER: Mitchell's Well & Pump Co., Inc. Mailing Address: 16815 Happy Hill Rd., Col. Hgts., VA.

WELL LOCATION: County Prince George Approx. feet miles (direction) of
Route 629 and feet miles (direction) of

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

DATE STARTED: July 1979 DATE COMPLETED: August 1979

TYPE OF DRILL RIG USED: Cable tool TOTAL DEPTH 202' feet

WATER LEVEL: Stands 59 feet below surface OR
has NATURAL flow of 12 gallons per minute.

YIELD TEST: Method _____
Drawdown _____ feet
Rate _____ gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 4 inches from 0 to 202 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
SCREEN SIZE: _____ inches from _____ to _____ feet

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

_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
CASE SIZE: 4 inches from +1 to 191 feet

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

_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WELL TO SUPPLY: (check one) Home _____
Farm _____ Town _____ School _____
Industry _____ Other Picnic grounds for church

GROUTING: Method _____
Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No

PUMP: Type _____
Capacity _____ gal per min
Depth of intake _____ feet

DRILL CUTTINGS SAVED: Yes 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: _____

LOG

FURNISHED BY: _____ DATE: _____

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		SAMPLE #
0	10	orange clay	1
10	20	orange clay	2
20	50	orange dirt	3 thru 5
50	100	gray earth	6 thru 10
100	110	black earth	11
110	120	sand & gravel	12
130	202	gray sand	13 thru 20
			Mr. Bradley, Prince George Health Dept. said grout not needed. More than 50' of sand.

Owner: Faith Baptist Church
Driller: Mitchell W & P Co.
County: Prince George

W# 5811
C# 222
Total Depth: 202'
Quad: Prince George
Elev: 122'

Depth
(feet)

WELL LOG

- 0-10 Clay - Grayish orange (10yr 7/4); abundant clasts; sand-rare; wood bits.
- 10-20 Clay - As Above, except: *clasts of white clay, covered with grains of above clay; sparse sand; medium-grained; subangular; well sorted; quartz.
- 20-30 Sand - Grayish orange (10yr 7/4); abundant clay; sand, medium to coarse, subangular, well sorted, quartz.
- 30-40 Sand - As Above, except: medium to very coarse; moderate sorting; 1%+ fine glauconite; mica.
- 40-50 Sand - As Above, except: some glauconite.
- 50-60 Sand - Light olive gray (5y 6/1); abundant clay; sand, medium, subangular, well sorted; quartz; 7%(+) glauconite; 5% shell fragments; 1%+ Forams, Nonion; ostracods; ~~and~~ Echinoderm spines.
- 60-70 Sand - As Above.
- 70-80 Sand - As Above, except: medium to coarse; moderate sorting; 5%+ glauconite; 1% shell fragments.
- 80-90 Sand - As Above, except: 1% glauconite; 7% shell fragments; rare Forams; Ostracods.
- 90-100 Sand - Olive gray (5y 4/1); As Above, except: 10%+ glauconite; few shell fragments.
- 100-110 Sand - Dark greenish gray (5gy 4/1); As Above, except: medium grained; well sorted; 40% glauconite; 1% shell fragments.
- 110-120 Gravel - "Salt and Pepper"; 50% small (5mm) pebbles, various colors; 20% sand, medium to coarse, angular to subangular, moderate sorting; quartz; 30% glauconite; iron; pyrite; garnet; sandstone clasts.
- 120-130 Sand - Light gray (N7); abundant clay; sand, medium to very coarse, subangular, moderate sorting; quartz; 5%+ glauconite; iron.
- 130-140 Sand - Yellow gray (5y 7/1); medium to coarse, angular to subangular, moderate sorting; quartz; some angular, very coarse feldspar; 1% iron and Iron cemented grains; garnet.

Owner: Faith Baptist Church
Page 2

W# 5811
C# 222

Depth
(feet)

- 140-150 Sand - As Above, except: coarse; well sorted; 5% feldspar.
- 150-160 Sand - As Above, except: coarse to very coarse; angular to subangular; moderate sorting; quartz; pyrite (on feldspar); rare iron; garnet.
- 160-170 Sand - As Above, except: medium to very coarse; no pyrite.
- 170-180 Sand - As Above, except: 10% pebbles, 5-10mm, various colors; medium to granules.
- 180-190 Sand - As Above, except: few 15mm pebbles; angular; rest medium to granule; angular to subangular; rare feldspar.
- 190-200 Sand - As Above, except: subangular to subrounded; garnet.

Logged by: J. K. Polzin
April 28, 1980