

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 4283
C#: 183

MAILING ADDRESS:

Box 667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: M. W. Vejnar Mailing Address: Yale, Virginia 23897

TENANT: Oak Shades Mobile Park # 2 Mailing Address: Yale, Virginia 23897

DRILLER: Mitchell's Well & Pump Co. Mailing Address: 16815 Happy Hill Rd. Col. Hgts. VA. 23834

WELL LOCATION: County Prince George Approx. _____ feet _____ miles _____ (direction) of
Rt. 460 E. to Bob's truck stop. Turn right on Rt. 156. ^{feet} Go 3/4 miles and turn right on 630.
Go 1/2 mile to his place on right. and _____ 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: Oct. 22, 1974 DATE COMPLETED: Nov. 22, 1974

TYPE OF DRILL RIG USED: Cable Tool TOTAL DEPTH 220' feet

WATER LEVEL: Stands 57 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Pumped

Drawdown 78 feet

Rate 120 gal. per min.
not continuous

Duration 26 hrs., _____ min.

HOLE SIZE: 12 inches from 0 to 50 feet

6 inches from 50 to 220 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: 5 inches from 200 to 220 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 6 inches from 0 to 200 1/2 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

WATER ZONES: from _____ to _____ feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other mobile home park

GROUTING: Method _____

surface to 50 feet

Material _____ Depth _____ feet

PUMP: Type _____

Capacity _____ gal. per min

Depth of intake _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____

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: _____

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		
0	10	Sandy - clay reddish	1
10	20	Ditto	2
20	30	Fine sand and clay	3
30	40	Ditto	4
40	50	Shells and blue mud	5
50	60	Ditto	6
60	70	Ditto	7
70	80	Ditto	8
80	90	Blue mud with few fine shells	9
90	100	Blue mud	10
100	110	Ditto	11
110	120	Blue mud with little fine sand	12
120	130	Ditto	13
130	140	Ditto	14
140	150	Ditto	15
150	160	Sandy blue mud	16
160	170	Fine sand and clay	17
170	180	Sand and clay	18
180	190	Sand with little clay	19
190	200	Whitish sand with clay	20
200	210	Coarse sand	21
210	220	Coarse sand with small gravel	22

(Use additional forms if necessary)

VIRGINIA DIVISION OF MINERAL RESOURCES
 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

C# 183
 W# 4283

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Well Repository No:

Date rec'd: 1/3/75 Date Processed: 1/8/76

Sample Interval: from 0 to: 220'

PROPERTY: M. W. Vejnar
 (Oak Shades Trailer Park #2)

Number of samples: 22

COMPANY: Mitchell

Total Depth: 220'

COUNTY: Prince George (New Bohemia)

Oil or Gas: Water ~~x~~ Exploratory:

From-To	From-To	From-To	From-To
0 - 10	-	-	-
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	-	-	-
140 - 150	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 170	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
-	-	-	-
-	-	-	-

Both washed and unwashed samples

OWNER: M. W. Vejnar
(Oak Shades Trailer Park #2)
DRILLER: Mitchell
COUNTY: Prince George
(New Bohemia)

W# 4283
C# 183
Total depth: 220'

Depth
(feet)

GEOLOGIC LOG

- 0-10 Sand - dark yellowish orange; moderate staining; slightly clayey; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; few opaques; feldspar.
- 10-20 Sand and clay - dark yellowish orange; moderate clay; abundant sand; fine to very coarse grained, 5% granules, few pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; some opaques.
- 20-30 Sand - dark yellowish orange; heavily stained; slightly clayey; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; feldspar; few opaques.
- 30-40 Sand - dark yellowish orange; heavily stained; slightly clayey; medium to coarse grained, some very coarse grains, few granules; subrounded; moderately sorted; quartz; feldspar; few opaques.
- 40-50 Shell hash - medium gray; moderate clay; moderate sand; medium to coarse grained, few granules; subrounded; moderately sorted; quartz; spines; some black phosphatic material; few grains of glauconite; forams (inc. Quinqueloculina).
- 50-60 Shell - hash - light olive gray; slightly clayey; abundant sand; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; some black phosphatic material; spines; forams; (inc. Quinqueloculina).
- 60-70 Sand - light olive gray; moderate clay; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; 30% shell fragments; 5% black phosphatic material; spines; few grains of glauconite; forams (inc. Quinqueloculina).
- 70-80 Shell hash - light olive gray; moderate clay; abundant sand; very fine to medium grained; subangular to subrounded; moderately sorted; quartz; 2% black phosphatic material; some spines; few grains of glauconite; forams scarce (inc. Quinqueloculina); ostracodes.
- 80-90 Clay - olive light gray; slightly sandy; fine to coarse grained; subangular to subrounded; moderately sorted; quartz; 5% shell fragments; 3% black phosphatic material; foram; ostracode.

Depth
(feet)

- 90-100 Clay - olive light gray, dark yellowish orange; few quartz grains.
- 100-110 Sand - olive light gray; abundant clay; medium to coarse grained, 10% granules, some pebbles; subangular to subrounded; moderately sorted; quartz; 5% shell fragments; some black phosphatic material; some glauconite; few grains of garnet.
- 110-120 Sand - light olive gray; moderate clay; fine to coarse grained, few granules; subangular to subrounded; moderately sorted; quartz; some shell fragments; some glauconite; few black phosphatic fragments; few grains of garnet; few grains of feldspar.
- 120-130 Sand - light olive gray; moderate clay; coarse to very coarse grained; some granules; subrounded; moderately well sorted; quartz; feldspar; few grains of glauconite.
- 130-140 Sand - white; slightly clayey; medium to very coarse grained; some fine grains, some granules; subangular to subrounded; poorly sorted; quartz; feldspar; few grains of glauconite; pyrite.
- 140-150 Sand - white; moderate clay; medium to coarse grained, few granules; subrounded; moderately well sorted; quartz; feldspar; muscovite; few shell fragments.
- 150-160 As above except no muscovite.
- 160-170 As above except medium to very coarse grained.
- 170-180 Sand - white; moderate clay; coarse to very coarse grained, some medium grains, some granules; subangular to subrounded; moderately sorted; quartz; feldspar; some shell fragments; few grains of garnet.
- 180-190 Sand - white; moderate clay; coarse grained to granular; subrounded; moderately well sorted; quartz; feldspar; few shell fragments.
- 190-200 As above except coarse to very coarse grained; some medium grains, some granules; no shell fragments.
- 200-210 Sand - white; slightly clayey; coarse grained to granular, some medium grains, some pebbles; subangular to subrounded; moderately sorted; quartz; feldspar.
- 210-220 Sand - white; slightly clayey; medium grained to granular, 15% pebbles; angular to subrounded; poorly sorted; quartz, feldspar.

GEOLOGIC SUMMARY

<u>Depth (feet)</u>	<u>Thickness (feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0-40	40	Moorings "Unit"	Pleistocene
40-60	20	Yorktown Formation	Pliocene - Miocene
60-120	60	Calvert Formation	Miocene - Eocene
120-220	100*	Patuxent Formation	Cretaceous

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
August 15, 1978