

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 5136  
C#: 209

MAILING ADDRESS:

B 3667  
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

McCormick Road  
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

Rt. 2, Box 218  
Petersburg, VA. 23803

OWNER: Jet Land Development Corporation  
(Thweatt)

Mailing Address:

TENANT: Cedar Wood Sub.

Mailing Address:

J. J. Mitchell, Jr.

16815 Happy Hill Rd.

DRILLER: Mitchell's Well & Pump Co., Inc.

Mailing Address:

Colonial Heights, VA. 23834

WELL LOCATION: County Prince George

Approx. \_\_\_\_\_ feet  
\_\_\_\_\_ miles

(direction) of \_\_\_\_\_

State route #649

coming off #301, well is on left

\_\_\_\_\_ 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: May 1977

DATE COMPLETED: October 1977

TYPE OF DRILL RIG USED: Cable tool

TOTAL DEPTH 183 feet

WATER LEVEL: Stands 30 feet below surface OR

has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Pumped

Drawdown 140 feet of pump  
pipe used, took no air

Rate 64 gal. per min.

Duration 48 hrs., \_\_\_\_\_ min.

HOLE SIZE: 12 inches from 0 to 50 feet

6 inches from 50 to 183 feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: 5 inches from 154 to 174 feet  
with blank above

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

CASE SIZE: 6 inches from +1 to 154 feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_

Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

WELL TO SUPPLY: (check one) Home \_\_\_\_\_

Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_

Industry \_\_\_\_\_ Other: Subdivision \_\_\_\_\_

GROUTING: Method \_\_\_\_\_

Material Cement, sand and gravel Depth 50 feet

PUMP: Type \_\_\_\_\_

Capacity \_\_\_\_\_ gal. per min

Depth of intake \_\_\_\_\_ feet

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No

DRILL CUTTINGS SAVED: 18 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: Back-filled with gravel to 174'11".

(LOG OF WELL) OVER

# LOG

FURNISHED BY: Mitchell's Well & Pump

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	Light tan earth	
10	20	Orangeish earth	
20	30	Gray mud and shell fragments	
30	50	Ditto	
50	60	Shells	
60	70	Gray gravel & shell fragments	
70	80	Light gray earth	
80	90	Ditto	
90	100	Gray gravel and earth	
100	110	Sand & gravel	
110	170	Gray sand & gravel	
170	183	Gray earth and shell fragments	

(Use additional forms if necessary)

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

INTERVAL SHEET

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Well Repository No: W#: 5136

Date rec'd: 3/17/78 Date Processed: 5/15/78

C#: 209  
 Sample Interval: from:0 to:183

PROPERTY: Jet Land Dev. Corp. (Cedar Wood)

Number of samples: 18

COMPANY: Mitchell W. & P. Co.

Total Depth: 183'

COUNTY: Prince George (N. Bohemia)

Oil or Gas: Water:  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 - 183	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Washed and unwashed samples.

OWNER: Jet Land Dev. Corp.  
(Cedar Wood)  
DRILLER: Mitchell W & P Co.  
COUNTY: Prince George

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TOTAL DEPTH: 183'  
QUAD: Prince George

GEOLOGIC LOG

Depth  
(feet)

- 0-10 Sand — yellowish gray; moderate clay; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; some feldspar; few grains of glauconite.
- 10-20 Sand — dark yellowish orange; slightly staining; slightly clayey; fine to coarse grained; subangular to subrounded; moderately sorted; quartz; feldspar; some glauconite.
- 20-30 Clay — olive light gray, dark yellowish orange; 10% shell fragments; some quartz; few grains of glauconite; forams scarce (inc. Buccella).
- 30-40 Clay — olive light gray, light olive brown; 20% shell fragments; some quartz; some black phosphatic material; forams (inc. Amphistegina and Buccella); ostracode.
- 40-50 As above except no forams.
- 50-60 Shell hash — white, bluish gray; 95% shell fragments; 2% fine to coarse grained quartz sand, some granules, few pebbles; forams common (inc. Amphistegina); some black phosphatic material; spines.
- 60-70 Sand and granules — light gray; slightly clayey; medium to very coarse grained, 35% granules, 10% pebbles; angular to subrounded; poorly sorted; quartz; 10% shell fragments; 2% black phosphatic material; some glauconite; few spines; few grains of feldspar.
- 70-80 Sand — white; moderate clay; medium grained to granular, 7% pebbles; subrounded; poorly sorted; quartz; feldspar.
- 80-90 As above except 3% pebbles; few grains of garnet.
- 90-100 Sand and gravel — white; moderate clay; medium grained to granular; subangular to subrounded; poorly sorted; quartz; feldspar; some garnet.
- 100-110 Sand — white; coarse to very coarse grained, some granules; subrounded; moderately well sorted; quartz; feldspar; few grains of garnet.
- 110-120 Sand — off white; slightly clayey; coarse grained to gravel (20%); subrounded; moderately sorted; quartz; feldspar.
- 120-130 As above except 10% gravel.
- 130-140 As above.

OWNER: Jet Land Dev. Corp. -2-  
(Cedar Wood)

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Depth  
(feet)

140-150 Sand — off white; slightly clayey; coarse to very coarse grained, 10% granules, few pebbles; subrounded; moderately sorted; quartz; feldspar; few grains of garnet.

150-160 Sand and granules — off white; slightly clayey; coarse grained to granular (30%), 10% pebbles; subrounded; moderately sorted; quartz; feldspar.

160-170 As above except 20% granules.

170-183 Sand — grayish yellow green; moderate clay; coarse to very coarse grained, some medium grains, 10% granules; subrounded; moderately sorted; quartz; feldspar; some biotite.

Logged by: Michael T. Currie

GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0-20	20	Moorings "Unit"	Pleistocene
20-70	50	Calvert Formation	Miocene-Eocene
70-183	113+	Patuxent Formation	Cretaceous

VIRGINIA DIVISION OF MINERAL RESOURCES  
David A. Hubbard, Jr., Geologist  
September 19, 1978