

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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: First Charter Land Corporation Mailing Address: Greenbackville, Virginia

TENANT: Captains Cove-Sub Division, Well #2 Mailing Address: SAME

DRILLER: Atlantic Pump & Equipment Co., Inc. Mailing Address: 2100 Decatur Street

WELL LOCATION: County Accomack County Approx. 352 ^{feet}~~miles~~ S. of Greenbackville (direction) of and adjacent to Chinataque Bay 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 10, 1970 DATE COMPLETED: July 24, 1970

TYPE OF DRILL RIG USED: Mud Rig TOTAL DEPTH 200' feet
Pilot to 240'

WATER LEVEL: Stands 8 feet below surface OR

has NATURAL flow of 0 gallons per minute.

YIELD TEST: Method 25 HP Turbine-Test Pump

Drawdown 152 feet

Rate 63 gal. per min.

Duration 24 hrs., _____ min.

WATER ZONES: from 120 to 140 feet

from 160 to 200 feet

from _____ to _____ feet

WATER: Color Clear Taste None

Odor None Temp. 63" °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other Recreation

WATER ANALYSIS AVAILABLE: Yes XX No _____

DRILL CUTTINGS SAVED: Yes 22 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: _____

HOLE SIZE: 10 inches from 0 to 200 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

SCREEN SIZE: 6 inches from 168 to 178 feet

Tail Pipe _____ inches from 178 to 180 feet

_____ inches from _____ to _____ feet

CASE SIZE: 6 inches from 0 to 168 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

GROUTING: Method Pressure

Material Concrete Depth 50 feet

PUMP: Type Submersible

Capacity 60 gals gal. per min

Depth of intake 160 feet

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	Brown Sandy Clay	
10	20	Brown Sand	
20	30	White Sand	
30	50	Brown Sand	
50	135	Gray Sand	
135	140	Sandy Clay with Sea Shells	
140	160	Blue Clay	
160	200	Coarse Sand & Gravel	
200	240	Clay (ph call 8/20/71 - Mr. Gray)	

(Use additional forms if necessary)

Owner: Captain's Cove #2
Driller: Atlantic P & E
County: Accomack (Greenbackville)

W# 3130
C# 348
Total Depth: 240
Quad:
Elev:

Depth
(feet)

WELL LOG

0-10 Sand - yellowish brown (10YR 5/4); medium to granule, sub-angular to sub-rounded; few pebbles; poor sorting; quartz; 1% fine, reworked black glauconite; mica.

10-20 Sand - yellowish gray (5Y 7/2); as above, except: no pebbles; few glauconite grains.

20-30 Sand - as above.

30-40 Sand - as above, except: few limestone clasts; fine to very coarse; 2% glauconite.

40-50 Sand - as above, except: very fine to granule; sparse glauconite; feldspars - microcline, plagioclase.

50-60 Sand - as above, except: coarse; well sorted; 2% glauconite.

60-70 Sand - as above.

70-80 Sand - as above, except: medium to very coarse; moderate sorting; no glauconite.

80-90 Sand - as above, except: sparse clay in small clasts; fine to very coarse; poor sorting.

90-100 Sand - as above.

100-120 No sample.

120-130 Gravel - "salt and pepper;" 50% pebbles; clay clasts of tan, gray, brown; sand as above.

130-140 Gravel - as above, except: 40%+ pebbles; few shell fragments.

140-150 Gravel - as above, except: 50% pebbles and large clasts of clay; 10% shell fragments - Nuculana Acuta; Ensis Directus.

150-160 Gravel - as above, except: 95% clay clasts and large pebbles; sparse sand; 10% shell fragments.

160-170 Gravel - as above, except: 50% pebbles, clay clasts and large shell fragments; very fine to granule; poorly sorted; quartz; sand; 10% glauconite; clay grains also present in the sand.

Depth
(feet)

170-180 Gravel - as above.

180-190 Gravel - as above, except: very sparse clay; sand has greater percent in very coarse to granule range; 5% glauconite; 2% large shell fragments.

190-200 Gravel - as above.

200-210 Gravel - as above, except: 70% granules; quartzite and clay clasts; sand - fine to very coarse; 3% glauconite; 7% shell fragments.

210-220 Gravel - as above; 90% granules; 10% shell fragments - Phacoides, Nuculana; Balanus.

220-230 Sand - light olive gray (5Y 5/2); sparse clay in clasts; very fine to very coarse; poorly sorted sand; few pebbles; 35% glauconite; 10% shell fragments.

230-240 Sand - as above, except: very fine to coarse; no pebbles; 45% glauconite; 5% shell bits.

Logged by: J. K. Polzin
May 9, 1980