

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-3589
C-356

MAILING ADDRESS:

Box 3667

Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

McCormick Road

Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: First Charter Land Corporation Mailing Address: Greenbackville, Virginia

TENANT: Captain's Cove #4 Mailing Address: Same

DRILLER: Atlantic Pump & Equipment Co., Inc. Mailing Address: P.O. Box 4009, Richmond, VA 23224

WELL LOCATION: County Accomack County Approx. 3 ~~xxxx~~ miles South East (direction) of Greenbackville and adjacent feet miles to (direction) of Chincoteague Bay

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

DATE STARTED: April 2, 1972 DATE COMPLETED: April 30, 1972

TYPE OF DRILL RIG USED: Mud Rotary TOTAL DEPTH 290 feet
Pilot hole to 355

WATER LEVEL: Stands 11 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method 15 HP Submersible
Drawdown 150 feet
Rate 182 gal. per min.
Duration 24 hrs. _____ min.

HOLE SIZE: 12 inches from 0 to 290 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
SCREEN SIZE: 6 inches from 257 to 272 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER ZONES: from 257 to 272 feet
from _____ to _____ feet
from _____ to _____ feet

CASE SIZE: 6 inches from 0 to 257 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER: Color None Taste None
Odor None Temp. 58 °F

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

GROUTING: Method Pressure Pump
Material _____ Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes XX No _____

PUMP: Type Submersible
Capacity 205 gal per min
Depth of intake 239 feet

DRILL CUTTINGS SAVED: Yes 27 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: Atlantic Pump and Equipment Co., Inc. DATE: June 19, 1972

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	15	Red Sandy Clay	
15	25	Gray Clay	
25	35	Medium Gray Sand	
35	45	Medium Gray Sand	
45	55	Coarse Gray Sand	w/Large Gravel Clay Streaks
55	65	Coarse Gray Sand	w/Large Gravel Clay Streaks
65	75	Blue Clay	Coarse Gravel w/Iron Ore
75	85	Blue Clay	Coarse Gravel 1/2" Dia
85	95	Blue Clay	
95	105	Blue Clay	
105	115	Blue Clay	
115	125	Blue Clay	
125	135	Blue Clay Gray Sand	Sea Shells
135	145	Blue Clay	w/Sea Shells
145	155	Blue Clay Fine Gray Sand	Sea Shells
155	165	Blue Clay Fine Gray Sand	Coarse Shells
165	175	Blue Clay Fine Gray Sand	Some Shells
175	185	Blue Clay Medium Gray Sand	Some Shells
185	195	Blue Clay Little Sand	Some Shells
195	205	Med to Coarse Gray Sand	w/Blue Clay
205	215	Blue Clay	Little Gray Sand
215	225	Med Gray Sand	Large Shell
225	235	Coarse Gray Sand	Few Shells
235	245	Med to Coarse Sand	1/2 Shell Clay Streak @ 225
245	255	Med Sand Heavy	w/Shells
255	265	Green Med Sand	w/Clay 255-260 most Shell
265	275	Gray Med.	No Coarse Sand Heavy Shell
275	285	Dark Gray Sand	Coarse w/Shell (Hole took water)
285	295	Pure Shell	w/Little Gray Sand
295	305	Pure Shell	
305	315	Blue Clay	Fine Gray Sand w/Shell
315	325	Blue Clay	Few Shell
325	335	Blue Clay	Few Shell
335	345	Blue Clay	Few Shell
345	355	Blue Clay	Few Shell

(Use additional forms if necessary)

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

INTERVAL SHEET

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Well Repository No.: C-356
 W-3589

Date rec'd: 7-21-72 Date Processed: 9-20-72 Sample Interval: from 0 to: 270

PROPERTY: First Charter Land Corp. (Captain's Cove #4) Number of samples: 27

COMPANY: Atlantic P & E Co. Total Depth: 290'

COUNTY: Accomack (Greenbackville) Oil or Gas: Water: XX Exploratory:

From-To	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	-	-	-	-
170-180	-	-	-	-
180-190	-	-	-	-
190-200	-	-	-	-
200-210	-	-	-	-
210-220	-	-	-	-
220-230	-	-	-	-
230-240	-	-	-	-
240-250	-	-	-	-
250-260	-	-	-	-
260-270	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

All intervals have both washed and unwashed samples.

Owner: 1st Charter Land Corp.
Captain's Cove #4
Driller: Atlantic P & E
County: Accomack

W# 3589
C# 356
Total Depth: 270'
Quad:
Elev:

Depth
(feet)

WELL LOG

0-10	Sand - grayish orange (10YR 7/4); fine to granule, sub-angular; poorly sorted; quartz.
10-20	Sand - as above, except: (10YR 7/2); fine to coarse; well sorted.
20-30	Sand - as above.
30-40	Gravel - as above, except: coarse to pebble; poor sorting; 50% pebbles and large granules.
40-50	Gravel - as above.
50-60	Clay and gravel - light olive gray (5Y 6/1) to light brown (5YR 5/6); variated clay clasts; abundant sand; gravel as above.
60-70	Gravel - "salt and pepper;" moderate clay clasts; 50% gravel - pebbles and large granules; moderate sand as above; shell fragments.
70-80	Gravel - as above.
80-90	Clay - light olive gray (5Y 6/1) and light brown (5YR 5/6); abundant clay clasts; sparse sand as above; few pebbles; shell fragments.
90-100	Clay and gravel - as above, except: 50% pebbles.
100-110	Gravel - salt and pepper; sparse clay; very sparse sand as above; shell fragments.
110-120	Gravel hash - as above.
120-130	Clay - light olive gray (5Y 6/1) as above, except: abundant clay clasts; moderate sand; shell fragments; large quartz fragments.
130-140	Clay - as above, except: some large pebbles.
140-150	Clay - as above, except: no pebbles.
150-160	Clay - as above.

Owner: 1st Charter Land Corp. -2-
Captain's Cove #4

W# 3589

Depth
(feet)

160-170	Clay - Sand - as above, except: equal amounts clay and sand.
170-180	Clay - Sand - as above: sand - medium to granule.
180-190	Clay - Sand - as above.
190-200	Clay - Sand - as above.
200-210	Clay - Sand - as above.
210-220	Gravel - as above, except: 30% large pebbles; moderate clay clasts; abundant sand; large shell fragments.
220-230	Clay - Sand - as above, except: abundant sand.
230-240	Clay - Sand - as above.
240-250	Sand - light olive gray (5Y 6/1); sparse silt; medium to very coarse; poor sorting; quartz; 8% glauconite; shell fragments.
250-260	Sand - as above, except: 10% glauconite; 1% shell fragments.
260-270	Sand - as above, except: (5Y 5/1); 25% fine shell fragments.

Logged by: J. K. Polzin
May 20, 1980