

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-3568
C-351

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: 1st Charter Land Corp. Mailing Address: Greenbackville, Va.

TENANT: Captains Cove #3* Mailing Address: _____

DRILLER: Ideal Well Drillers (for Atlantic P & E) Mailing Address: Salsbury, Md.

WELL LOCATION: County Accomack Approx. 2 ~~xxxx~~ miles west (direction) of
Greenbackville and 1/2 ~~xxxx~~ miles S.E. (direction) of Int. Md. Rt. 12
and Va. Rd. 679

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

DATE STARTED: _____ DATE COMPLETED: May 1971

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 413 feet
Completed @ 270'

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

YIELD TEST: Method _____
Drawdown _____ feet
Rate 100 gal. per min.
Duration 24 hrs., _____ min.

HOLE SIZE: 4 inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
SCREEN SIZE: 6 inches from 15' to 2 feet

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

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

GROUTING: Method _____
Material _____ Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes _____ No XX

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

DRILL CUTTINGS SAVED: Yes 40 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: Info from USGS - Md. geophysical logs furnished by J. Kantrowitz
(USGS - Parkville, Md.) on 2/25/77

* actually #1, as this well was completed before the 2 At. P & E wells (348 & 349)

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		
		3/13/72 ltr from W. E. Fries of Ideal Well Drillers, Inc.	
		This hole drilled to 410 reamed hole installed 6" case " 15' of 6" screen completed TD is 270 Top 50' grouted PT 24 hrs. @ 100/mm Ideal contracted At. P & E for this well	

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

INTERVAL SHEET

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C-351
Well Repository No.: W-3568

Date rec'd: 3/20/72 Date Processed: 7/25/72

Sample Interval: from 0 to: 410'

PROPERTY: First Charter Land Corp.
 Captain's Cove #3

Number of samples: 40

COMPANY: Atlantic P & E Co.

Total Depth: 410'

COUNTY: Accomack (Greenbackville)

Oil or Gas: Water:XX Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10	300-310	-	-	-
10-20	310-320	-	-	-
20-30	320-330	-	-	-
30-40	330-340	-	-	-
40-50	340-350	-	-	-
50-60	350-360	-	-	-
60-70	360-370	-	-	-
70-80	370-380	-	-	-
80-90	380-390	-	-	-
90-100	390-400	-	-	-
100-110	400-410	-	-	-
110-120	-	-	-	-
120-130	-	-	-	-
130-140	-	-	-	-
140-150	-	-	-	-
150-160	-	-	-	-
160-170	-	-	-	-
170-180	-	-	-	-
180-190	-	-	-	-
190-200	-	-	-	-
200-210	-	-	-	-
missing	-	-	-	-
220-230	-	-	-	-
230-240	-	-	-	-
240-250	-	-	-	-
250-260	-	-	-	-
260-270	-	-	-	-
270-280	-	-	-	-
280-290	-	-	-	-
290-300	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

All intervals have both washed and unwashed samples.

Owner: 1st Charter Land Corp.
Driller: Atlantic P & E
County: Accomack (Greenbackville)

W# 3568
C# 351
Total Depth: 410
Quad:
Elev:

Depth
(feet)

WELL LOG

0-10	Sand - dark yellowish orange (10YR 6/6); medium to very coarse, sub-angular; moderate sorting; quartz.
10-20	Sand - pale gray - orange (10YR 8/2); very fine to granule; poor sorting; 5% very fine black glauconite.
20-30	Sand - yellowish gray (5Y 8/1); medium to granule; 1% glauconite.
30-40	Gravel - yellowish gray (5Y 8/1); 50% 10mm+ pebbles; fine to granule; poorly sorted; quartz.
40-50	Gravel - as above.
50-60	Sand - as above, except: no pebbles.
60-70	Gravel - as above, except: 50% mixed pebbles; sparse clay clasts; sand as above.
70-80	Clay - gravel - light olive gray (5Y 6/1); abundant clay; abundant sand; 3% large pebbles.
80-90	Clay - as above, except: no pebbles.
90-100	Clay - as above, except: sparse sand; medium to very coarse.
100-110	Clay - as above.
110-120	Sand - as above, except: moderate clay; medium and coarse sand; 10% glauconite; sparse shell fragments.
120-130	Sand - as above, except: 7% shell fragments; medium to granule.
130-140	Shells - as above, except: 95% shell fragments, most of which are <u>Nuculana Acuta</u> ; chiera of crab.
140-150	"Hash" - as above, except: 50% shell fragments; medium to very coarse; moderate sorting; sparse glauconite; garnet.
150-160	"Hash" - as above, except: larger fragments - more variety - <u>Chione</u> ; <u>Mulina</u> ; <u>Venicardia</u> ; <u>Balanus</u> and gastropod.
160-170	Sand - as above, except: sparse clay clasts; medium to granule; few large pebbles; 5% large shell fragments.

Depth
(feet)

170-180 Sand - as above, except: more granules; 1% shell fragments.

180-190 Sand - as above.

190-200 Clay - moderate yellow brown (10YR 5/4); moderate sand; medium to granule; 1% shell bits.

200-210 Hash - "salt and pepper" - 50% mixed shell fragments; sand as above; 30% glauconite.

210-220 No sample.

220-230 Hash - as above, except: 50% glauconite in sand.

230-240 Sand - light olive gray (5Y 5/2); fine to granule; sub-angular; poor sorting; quartz; 50% shell fragments; sparse glauconite; mica.

240-250 Sand - moderate olive brown (5Y 4/4); medium and coarse; some very coarse; moderate sorting; 20% glauconite; 15% shell fragments.

250-260 Hash - "salt and pepper" - as above, except: sparse sand clasts; 90% shell fragments; sand - medium grained; pyrite on large shell fragments.

260-270 Hash - as above, except: shell fragments of 2 sorts - white "recent" and black reworked (about 50% each).

270-280 Hash - as above, except: 100% reworked shell fragments.

280-290 Sand - moderate olive brown (5Y 4/4); medium to very coarse; rest as above; 7% glauconite; 5% shell fragments.

290-300 Hash - salt and pepper; as above, except: 90% reworked shell fragments; sand fine and medium; few granules.

300-310 Sand - light olive gray (5Y 6/1); fine to coarse; moderate sorting; moderate sandstone clasts; 2% glauconite; 10% shell fragments.

310-320 Sand - as above, except: medium grained; well sorted; 7% shell fragments - Nuculana Acuta; Nucula Proxima; Anachis Milleri; Turritella Plebia Carinata.

320-330 Sand - as above, except: medium and coarse; some very coarse; moderate sorting; 15% shell fragments.

Owner: 1st Charter Land Corp. -3-

W# 3568

Depth
(feet)

330-340	Sand - as above, except: (5Y 5/1); abundant sand clasts; medium to very coarse; 7% shell fragments.
340-350	Sand - as above, except: medium and coarse; 20% shell bits.
350-360	Sand - as above, except: few granules; 3% shell bits.
360-370	Sand - as above, except: medium to very coarse; some granules; sparse glauconite; 20% shell fragments; iron.
370-380	Sand - as above, except: (5Y 6/1); medium grained; 3% shell bits.
380-390	Sand - as above, except: medium to very coarse; well sorted; 1% shell bits.
390-400	Sand - as above, except: sparse shell fragments.
400-410	Sand - as above.

Logged by: J. K. Polzin
May 19, 1980