W-2925
C-117

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS: P. O. Box 3667, Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

WATER WELL COMPLETION REPORT

OFFICE ADDRESS: McCormick Road, Charlottesville, Virginia

OWNER: Edward Anderson — Mailing Address: P. O. Box 1459, Richmond, Virginia

TENANT: Bushy Park Farm Well #1 — Mailing Address: Deltaville, Virginia

DRILLER: Sydnor Hydrodynamics, Inc. — Mailing Address: 1305 Brook Rd., Richmond, VA

WELL LOCATION: County Middlesex — Approx. 400 feet ~~miles~~ south (direction) of Rappahannock River and 1 ~~xxxxxx~~ miles east (direction) of St. Rd. 628

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

DATE STARTED: 9/17/69 — DATE COMPLETED: 10/14/69

TYPE OF DRILL RIG USED: Rotary — TOTAL DEPTH 700 feet

WATER LEVEL: Stands 34'11" feet below surface OR has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method submersible pump
Drawdown 28 feet
Rate 9 gal. per min.
Duration 6 hrs., 0 min.

WATER ZONES: from 68 to 98 feet
from _____ to _____ feet
from _____ to _____ feet

WATER: Color clear — Taste _____
Odor none — Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____
Farm X — Town _____ — School _____
Industry _____ — Other _____

WATER ANALYSIS AVAILABLE: Yes X No _____

DRILL CUTTINGS SAVED: Yes 70 No _____

HOLE SIZE: 8 3/4 inches from 0 to 108 feet
6 3/4 inches from 108 to 700 feet
_____ inches from _____ to _____ feet

SCREEN SIZE: 4 inches from 78'7" to 98'7" feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

CASE SIZE: 4 inches from + 2 to 78'7" feet
4 inches from 98'7" to 103'7" feet
_____ inches from _____ to _____ feet

GROUTING: Method pressure
Material cement and water — Depth 50 feet

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

(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: Sydnor test hole and well #1

(LOG OF WELL) OVER

Well #1

LOG

FURNISHED BY: Sydnor Hydrodynamics DATE: 10/13/69

DEPTH (feet) FROM	TO	TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
0	1	Top soil	
1	6	Brown sand clay	
6	46	Brown - white sand	
46	67	Soft blue clay and shells	
67	76	Hard gray clay	
76	84	Fine sand - shells	
84	95	Gray sand and shells	
95	130	Gray clay - shells - some sand	
130	206	Gray clay	
206	220	Gray clay - shells	
220	291	Gray clay - shells - some silty sand	
291	438	Gray clay - some shells	
438	454	Fine silty sand - some shells	
454	496	Greenish clay and fine silty black sand and hard shell streaks	
496	526	Gray clay	
526	631	Gray clay - some black sand	
631	692	Gray clay	
692	700	Fine gray sand - shells	

(Use additional forms if necessary)

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

INTERVAL SHEET

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Well Repository No: 2925

Date rec'd: 10/20/69 ; processed 9/2/70

Sample Interval: from 0 to: 700'

PROPERTY: Edward Anderson
(Well #1, Bushy Park Farm)

Number of samples: 70

COMPANY: Sydnor Hydrodynamics, Inc.

Total Depth: 700'

COUNTY: Middlesex (Witton)

Oil or Gas: Water: x Exploratory:

From - To	From - To	From - To	From - To
0 - 10	250 - 260	500 - 510	-
10 - 20	260 - 270	510 - 520	-
20 - 30	270 - 280	520 - 530	-
30 - 40	280 - 290	530 - 540	-
40 - 50	290 - 300	540 - 550	-
50 - 60	300 - 310	550 - 560	-
60 - 70	310 - 320	560 - 570	-
70 - 80	320 - 330	570 - 580	-
80 - 90	330 - 340	580 - 590	-
90 - 100	340 - 350	590 - 600	-
100 - 110	350 - 360	600 - 610	-
110 - 120	360 - 370	610 - 620	-
120 - 130	370 - 380	620 - 630	-
130 - 140	380 - 390	630 - 640	-
140 - 150	390 - 400	640 - 650	-
150 - 160	400 - 410	650 - 660	-
160 - 170	419 - 420	660 - 670	-
170 - 180	420 - 430	670 - 680	-
180 - 190	430 - 440	680 - 690	-
190 - 200	440 - 450	690 - 700	-
200 - 210	450 - 460	-	-
210 - 220	460 - 470	-	-
220 - 230	470 - 480	-	-
230 - 240	480 - 490	-	-
240 - 250	490 - 500	-	-

Unwashed only

OWNER :	Edward Anderson (Well #1)	W# :	2925
DRILLER:	Sydnor Hydrodynamics	C# :	117
COUNTY :	Middlesex	TOTAL DEPTH:	700'
		QUAD :	Wilton

GEOLOGIC LOG

Depth (feet)	
0-10	Sand- grayish-orange; slightly silty; medium to coarse grained, some granules; subangular to subrounded; moderately well sorted; quartz; feldspar; few grains of glauconite.
10-20	Sand- grayish-orange; medium grained, some very coarse grains; subangular to subrounded; moderately well sorted; quartz; feldspar; some glauconite; few flakes of muscovite.
20-30	Sand- grayish-orange; slightly to moderately stained; medium grained, few granules; subangular to subrounded; well sorted; quartz; feldspar; some glauconite.
30-40	Sand- grayish-orange; slightly to heavily stained; medium to very coarse grained; subangular to subrounded; moderately sorted; quartz; feldspar; some glauconite; some shell fragments; few opaques.
40-50	As above except 3% shell fragments; 2% glauconite.
50-60	Sand- light olive gray; medium to coarse grained, some fine grains; subangular to subrounded; moderately well sorted; quartz; some shell fragments; some glauconite; few black phosphatic fragments.
60-70	As above.
70-80	Sand- light olive gray; medium grained, some coarse grains; subangular to subrounded; well sorted; quartz; 2% shell fragments; 2% glauconite; some black phosphatic fragments.
80-90	Sand- light olive gray; slightly clayey; medium to coarse grained, few granules; subangular to subrounded; moderately well sorted; quartz; 15% shell fragments; some black phosphatic material; glauconite; few echinoid spines.
90-100	As above except 30% shell fragments.
100-110	As above except 25% shell fragments; 3% glauconite.

Depth (feet)	
110-120	Sand- light olive gray; slightly clayey; moderate silt; fine to medium grained; subangular to subrounded; well sorted; quartz; 25% shell fragments; 7% glauconite; few flakes of muscovite; few echinoid spines; few black phosphatic fragments.
120-130	As above except 20% shell fragments; no echinoid spines.
130-140	As above.
140-150	Sand- light olive gray; slightly clayey; abundant silt; very fine to medium grained; subangular to subrounded; moderately sorted; quartz; 5% shell fragments; some glauconite; few flakes of muscovite.
150-160	Sand- light olive gray; slightly clayey; slightly silty; very fine to fine grained; subangular to subrounded; well sorted; quartz; 2% shell fragments; some glauconite; few flakes of muscovite.
160-170	As above except 3% glauconite; some shell fragments.
170-180	Sand- light olive gray; slightly clayey; slightly silty; fine grained; subangular to subrounded; well sorted; quartz; 5% glauconite; 2% shell fragments; few flakes of muscovite.
180-190	As above except 7% glauconite.
190-200	As above plus some medium grains; few shell fragments.
200-210	Sand- light olive gray; some stained grains; moderate silt; fine to medium grained, some granules; subangular to subrounded; moderately well sorted; quartz; some shell fragments; some glauconite; few black phosphatic fragments; muscovite.
210-220	As above except slightly clayey; fine to coarse grained, some granules, few pebbles; moderately sorted.
220-230	As above except 2% shell fragments.
230-240	As above except 3% granules, some pebbles; poorly sorted; forams rare (inc. Nonion).
240-250	Sand- light olive gray; medium to coarse grained, some fine grains, 3% granules; subangular to subrounded; moderately sorted; quartz; 7% shell fragments; few black phosphatic fragments; few grains of glauconite.

Depth (feet)	
250-260	As above except some granules.
260-270	As above except 5% shell fragments.
270-280	Sand- yellowish-gray; slightly clayey; moderate silt; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; few shell fragments; few grains of glauconite.
280-290	As above except some shell fragments.
290-300	Sand- yellowish-gray; slightly clayey; slightly silty; medium grained, some fine grains, some coarse grains, few granules; subangular to subrounded; moderately well sorted; quartz; 2% shell fragments; some black phosphatic fragments; few grains of glauconite; forams rare (inc. Cibicides ?).
300-310	Sand- yellowish-gray; slightly clayey; abundant silt; fine grained; subangular to subrounded; well sorted; quartz; few shell fragments; muscovite; few black phosphatic fragments.
310-320	As above except moderate clay; very fine grained.
320-330	As above.
330-340	As above except abundant clay; no shell fragments.
340-350	As above.
350-360	Clay- yellowish-gray; abundant silt; abundant sand; very fine grained; subangular to subrounded; well sorted; quartz; few shell fragments; glauconite.
360-370	As above.
370-380	As above except moderate sand.
380-390	As above.
390-400	As above.
400-410	As above except slightly sandy; fine to medium grained; moderately well sorted.
410-420	As above except moderate silt.
420-430	Clay- yellowish-gray; moderate silt; abundant sand; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; few black phosphatic fragments.

Depth (feet)	
430-440	Sand- light olive gray; slightly silty; medium to coarse grained, few granules; subangular to subrounded; moderately well sorted; quartz; 5% shell fragments; some black phosphatic material; few grains of glauconite; forams (inc. Robulus and Siphogenerina).
440-450	As above except 2% shell fragments; forams scarce (inc. Siphogenerina).
450-460	Sand- olive light gray; slightly silty; medium to coarse grained; subangular to rounded; moderately well sorted; quartz; 20% glauconite (black, brown, green); 5% shell fragments; few black phosphatic fragments; forams scarce (inc. Siphogenerina).
460-470	As above plus some fine grains; some shell fragments; forams rare.
470-480	As above except forams (inc. Siphogenerina); no black phosphatic fragments.
480-490	Sand- olive light gray; slightly clayey; medium to coarse grained; subangular to rounded; moderately well sorted; 60% glauconite; quartz; 3% shell fragments; few flakes of muscovite; forams scarce (inc. Siphogenerina).
490-500	Sand- olive light gray; slightly clayey; slightly silty; fine to medium grained; subangular to rounded; moderately sorted; 50% glauconite; quartz; few shell fragments; forams (inc. Siphogenerina and Nonion).
500-510	As above.
510-520	As above except moderate clay; 35% glauconite; forams (inc. Siphogenerina and Nodosaria).
520-530	Sand- light olive gray; some stained grains; medium grained, some coarse grains; subangular to subrounded; well sorted; quartz; 30% glauconite; few shell fragments; muscovite.
530-540	As above except 35% glauconite; few fragments of ferricrete.
540-550	As above plus forams (inc. Nodosaria); no ferricrete.
550-560	As above except forams (inc. Nodosaria and Robulus).

Depth (feet)	
560-570	Sand- light olive gray; some stained grains; medium to very coarse grains, few granules; subangular to subrounded; moderately sorted; quartz; 25% glauconite; few shell fragments; forams scarce (inc. Nodosaria).
570-580	Sand- light olive gray; medium grained; subangular to rounded; well sorted; quartz; 35% glauconite; some shell fragments; forams (inc. Nodosaria).
580-590	As above.
590-600	As above plus some fine grains; few shell fragments; forams rare.
600-610	As above except forams (inc. Nodosaria).
610-620	As above except forams rare (inc. Nodosaria).
620-630	As above plus few granules.
630-640	Sand- light olive gray; slightly clayey; fine to medium grained, 10% granules; subangular to rounded; moderately sorted; quartz; 30% glauconite; 3% shell fragments; few fragments of ferricrete; muscovite; forams scarce (inc. Nodosaria).
640-650	Sand- light olive gray; slightly silty; medium grained, some fine grains, some coarse grains, few granules; subangular to rounded; moderately well sorted; quartz; 35% glauconite; some shell fragments; few flakes of muscovite; forams scarce (inc. Nodosaria).
650-660	Sand- light olive gray; medium grained, some coarse grains; subangular to rounded; well sorted; quartz; 25% glauconite; 2% shell fragments; few black phosphatic fragments; forams scarce (inc. Nodosaria).
660-670	As above plus some fine grains; moderately well sorted; no phosphatic material.
670-680	As above except no coarse grains; well sorted.
680-690	Sand- light olive gray; coarse grained; subrounded; well sorted; quartz; feldspar; 5% glauconite; some shell fragments; few flakes of muscovite.
690-700	As above.

Note: All samples are unwashed.

Logged by: Michael T. Currie
July 25, 1979