

C O P Y

HARRIS-HARMON WELL CO., INC.

Successors to  
Artesian Well & Supply Co.  
Well Drilling Contractors

Mineola, N. Y.

April 28, 1939

E. I. DuPont de Nemours & Co., Inc.  
Wilmington, Delaware

Attention: Mr. W. T. Homewood

Subject : Your file WTH Project 3873 - Seaford - Nylon Plant #1

Gentlemen:

Following are the logs of the test wells, numbers 11 to 15 inclusive, completed on your property at Seaford, Delaware.

<u>Test Well #11</u>	<i>Pc 42 Pc 33-18 elev. 7'</i>	<u>Test Well #12</u>	<i>Pc 33-19 Pc 43 elev. 5'</i>
0 - 15 ft. - Clay		0 - 21 ft. - Brown sand & clay	
15 - 22 ft. - Medium sand		21 - 25 ft. - Coarse gray sand and gravel	
22 - 28 ft. - Fine sand		25 - 37 ft. - Coarse gray sand	
28 - 34 ft. - Coarse sand		37 - 44 ft. - Coarse gray sand	
34 - 40 ft. - Medium sand		44 - 51 ft. - Coarse gray sand	
40 - 46 ft. - Medium sand		51 - 58 ft. - Coarse gray sand	
46 - 49 ft. - Fine sand and clay		58 - 64 ft. - Coarse gray sand	
49 - 55 ft. - Fine sand, traces clay		64 - 69 ft. - Coarse brown sand	
55 - 60 ft. - Coarse sand		69 - 75 ft. - Coarse brown sand	
60 - 65 ft. - Coarse sand		75 - 81 ft. - Coarse brown sand	
65 - 69 ft. - Heavy coarse sand		81 - 82 ft. - Coarse black sand, traces of clay	
69 - 70 ft. - Coarse sand & blk. clay		82 - 87 ft. - Ditto	
70 - 76 ft. - Blk. clay & some fine sand		87 - 90 ft. - Blk. clay, little sand	
76 - 83 ft. - Black clay		Static water level 6'3" below ground surface,	
83 - 90 ft. - Black clay			
Static water level 3'10" below ground surface.			
<u>Test Well #13</u>	<i>Pc 33-20 Pc 44 elev. 3' - needs sch.</i>		
0 - 11 ft. - Fine sand and clay		72 - 78 ft. - Brown & yellow clay	
11 - 15 ft. - Bog		78 - 86 ft. - Brown coarse sand and clay	
15 - 21 ft. - Bog and clay		86 - 93 ft. - Yellow clay	
21 - 27 ft. - Gray clay and little sand		93 - 96 ft. - Blk. clay, traces of yellow clay)	
27 - 36 ft. - Brown clay & little sand		96 - 102 ft. - Blk. clay and fine sand	
36 - 43 ft. - Gray clay			
43 - 49 ft. - Coarse brown sand & clay			
49 - 55 ft. - Brown clay & little sand			
55 - 61 ft. - Yellow clay and little sand		(Not satisfactory	
61 - 68 ft. - Yellow clay and little sand		Pulled all casing)	
68 - 72 ft. - Brown clay and little sand			

Note by W.J.Sloan. Nov. 1949. I believe what is now known as Well 13 (see table next page) is really Well 15. Based on logs, static water level and a 1940 map which listed present No.13 as No.15. L.Bertrand's recollection was that No.15 was pulled and that it was located somewhere in the neighborhood of No.14.

4/4/39

E. I. DuPont de Nemours & Co., -2-  
Inc.

Harris-Harmon Well Co., Inc.

Test Well #6

~~Pc38~~ Pc33-14 elev. 25'

5 - 10 ft. - Topsoil  
10 - 34 ft. - Mixed muddy sand & gravel  
34 - 40 ft. - Sandy clay  
40 - 54 ft. - Yellow sandy clay  
54 - 55 ft. - Fine gray sand  
55 - 60 ft. - Black & yellow sandy clay  
60 - 63 ft. - Yellow muddy sand  
63 - 66 ft. - Fine gray sand - strips of clay in 2" layers  
66 - 68 ft. - Fine gray sand - strips of clay in 2" layers  
68 - 83 ft. - Fine gray sand  
83 - 105 ft. - Coarse yellow sand  
105 - 125 ft. - Black sandy clay  
Static water level 14'2" below ground surface.

Test Well #7

Pc39 Pc33-15 elev. 7'

0 - 13 ft. - Topsoil & clay  
13 - 15 ft. - Clay, black  
15 - 21 ft. - Gray clay  
21 - 26 ft. - Gray muddy sand  
26 - 56 ft. - Fine gray sand  
56 - 65 ft. - Coarse sand & fine gravel  
65 - 90 ft. - Yellow & black muddy sand and clay  
Static water level 4'4" below ground surface.

Test Well #8

Pc40 Pc33-16 elev. 8'

0 - 15 ft. - Soft clay and little sand  
15 - 20 ft. - Coarse sand  
20 - 25 ft. - Coarse sand and gravel  
25 - 30 ft. - Medium sand  
30 - 37 ft. - Coarse sand  
37 - 43 ft. - Coarse sand and gravel  
43 - 50 ft. - Medium sand  
50 - 56 ft. - Coarse sand  
56 - 63 ft. - Coarse sand with traces of clay  
63 - 70 ft. - Coarse sand with traces of clay  
70 - 77 ft. - Coarse sand  
77 - 82 ft. - Coarse sand  
82 - 86 ft. - Dark clay with little fine sand  
86 - 94 ft. - Dark clay with little fine sand  
Static water level 6'2" below ground surface.