

COPY

LOG OF TOWNSEND APPLE ORCHARD D-6  
BRIDGEVILLE BLOCK, DELAWARE.

od 23-1

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20	sand and gravels
45	sand
45 1/2	hard shells
63	sand and gravels
143	sand
163	sand (hard break at 160')
133	sand and shale
134	hard sand
207	shale
224	sandy shale and shale
233	rock
243	rock
269	rock, thin soft sand streaks
277	sandy shale
282	sandy shale
288	hard shells
298	sandy shale
301	hard shells
309	sandy shale
311	hard shells
357	sandy shale
362	rock
380	sandy shale-hard sand breaks
386	rock
421	sandy shale-hard sand breaks
425	shale
460	sandy shale, hard breaks
465 1/2	rock
497	sandy shale and hard sand
500	hard rock
510	sandy shale and hard sand
522	rock
540	sand with hard breaks
593	sand
596	hard sand rock
632	sand with hard breaks
662	sandy shale with shale breaks
682	shale
700	shale and sandy shale
702	hard sand breaks
705	sand
722	hard sand and sandy shale
738	shale
760	hard sand
802	sand with breaks of hard sand
940	sandy shale-hard breaks
1020	sandy shale

(2)

1040	shale
1110	hard broken
1120	very hard
1180	sand hard breaks
1240	sandy shale
1260	sticky shale

October 11, 1939

LOG OF TOWNSEND D-6  
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1260	
1300	sticky shale
1314	sandy shale
1320	hard formation
1348	sand, hard breaks
1369	sticky shale
1382	hard formation
1400	sandy shale, hard breaks
1419	chalk and shale
1455	shale, hard breaks
1455	hard sand
1480	shale
1500	sticky shale
1523	shale
1536	CORED (10' recovery) glauconitic sandy shale
1555	sandy shale
1559	CORED (5' recovery) glauconitic sandy shale
1572	sandy shale
1606	sandy shale, hard breaks
1620	sand
1651	sand, hard breaks
1632	sticky shale
1695	CORED (10' recovery) 9' red and gray mottled clay 1' gray lignitic clay
1720	shale
1740	shale, breaks sandy shale
1760	shale
1765	hard sand
1785	shale
1830	sticky shale
1860	shale
1878	sandy shale
1900	CORED (no recovery) sand
1905	CORED (recovered fragment of dry sandstone)
1920	sand, hard breaks
1940	shale
1974	shale, hard sand breaks
1978	sand, breaks of sandy shale
2030	shale
2040	sandy shale
2085	shale
2097	sandy shale, hard breaks
2106	shale
2135	sandy shale, hard breaks
2147	CORED (no recovery) sand and sandy shale
2160	sticky shale

2204 sticky shale  
 2208 sandy shale  
 2231 shale  
 2236 sand, hard breaks  
 2250 CORED (6" recovery) shale  
 2290 shale  
 2300 sticky shale  
 2317 shale  
 2320 hard break  
 2326 shale, hard breaks  
 2343 shale  
 2362 sandy shale, hard breaks  
 2385 shale, lime breaks  
 2397 CORED (6" recovery) green glauconitic shale  
 2430 shale  
 2440 shale, hard breaks  
 2460 sandy shale, hard breaks  
 2484 shale  
 2498 shale, hard sand breaks  
 2501 hard sand  
 2507 shale  
 2512 sand  
 2520 sand  
 2537 sticky shale  
 2547 sandy shale  
 2560 shale  
 2568 hard sand, sandy shale breaks  
 2600 sticky shale TOTAL DEPTH.

NOTE: CORED                    2484-2498 5' recovery  
                                       gray shale, thin hard sand partings  
     and little lignite

                                      2498-2512 3' recovery  
     gray shaley dry sand, thin hard  
     sand partings.

RHH:h

October 21, 1939.