

161-372

COMMONWEALTH OF VIRGINIA
STATE WATER CONTROL BOARD
P. O. Box 11143, 2111 North Hamilton Street
Richmond, Virginia 23230
Phone (804) 770-1411

CITY OF VA. BEACH SUFFOLK WELL # 2
WATER WELL COMPLETION REPORT

PERMIT NUMBER 1-10 (Certification of Completion) DATE REC'D 20-25
BWCN WELL NO. 11-19 (For use in all groundwater areas) TRUCK TAG NO. _____

LOCATION (Card 1)

COUNTY: City of Suffolk, Va.

WELL IS LOCATED APPROX. 3 ~~feet~~/miles
N (direction) of Hwy. 58 and
1/2 ~~feet~~/miles W (direction) of
Waters Ave.

WELL IS NEWLY CONSTRUCTED x 26 OR IS AN
ALTERATION, REHABILITATION, OR EXTENSION
OF AN EXISTING WELL 27. NUMBER OF
CERTIFICATE OF GROUNDWATER RIGHT OF EXIST-
ING WELL, IF APPLICABLE _____
28-37

FOR OFFICE USE:

VA. PLANE COORDINATES: _____ N _____ E
38-43 44-50

TOPOGRAPHIC MAP NUMBER: _____
51-55

OWNER (Card 2)

Dept. of Public Utilities
NAME: City of Virginia Beach 11-40
STREET: Municipal Center 41-55
CITY: Virginia Beach 56-72
STATE: VA ZIP: 23456
73-74 75-79

DRILLER (Card 3)

NAME: Layne-Atlantic Company 11-40
STREET: P. O. Box 7095 41-55
CITY: Norfolk 56-72
STATE: VA ZIP: 23509
73-74 75-79

CONTRACTOR (Card 4)

SIGNATURE: *Robert R. Peters*
NAME (type): Robert R. Peters 11-40
STREET: P. O. Box 7095 41-55
CITY: Norfolk 56-72
STATE: VA ZIP: 23509
73-74 75-79

BASIC DATA (Card 5)

DATE STARTED: 4/13/81 DATE COMPLETED: 6/19/81 DEPTH DRILLED: 1049'
11-16 17-22 23-26

DEPTH OF COMPLETED WELL: 993' STATIC WATER LEVEL: 155.54 feet below land surface.
orifice & 27-30 31-33

YIELD TEST: Piezometer Method; Drawdown 79.71 feet; Yield 2805 gpm; Duration 72 hours.
34-35 36-38 39-42 43-44

WAS THE WELL LOGGED? (Yes)/No; if Yes, BY WHOM? Layne-Atlantic; TYPE OF LOG(S): Electric
45 46-55 56-58

WAS THE WATER ANALYZED? (Yes)/No; if Yes, BY WHOM? State Lab.. TYPE OF RIG: Rotary
59 60-63 64-71

WELL TO SUPPLY: Home/Farm/Municipality/School/Industry/Subdivision/Other _____
(circle which) 72 73 74 75 76 77 78

WERE WELL DRILLINGS SAVED? Yes/No (Well cuttings should be collected at 10-foot inter-
vals and shipped express collect to this office in a shipping container. Sample bags
are furnished free of charge upon request). 79

PUMP DATA (Card 6)

BRAND NAME: Layne & Bowler, Inc. 11-30
TYPE: Vertical Turbine 31-45
MODEL NUMBER: 94693 46-60
RATED CAPACITY: 2800 gpm at
61-65 250 feet of head.
66-68
DEPTH OF INTAKE: 256' 71 69-71
RATED HORSEPOWER: 250 72-74

CONSTRUCTION DATA (Card 7)

HOLE SIZE: 24 inches from 0 to 605 feet 13-20
11-12 36 inches from 605 to 993 feet 23-30
21-22 _____ inches from _____ to _____ feet 33-40
31-32
CASE SIZE: 24 inches from +2 to 605 feet 43-50
41-42 14 inches from 555 to 993 feet 53-60
51-52 _____ inches from _____ to _____ feet 63-70
61-62
GROUTING? (Yes)/No; from surface to
605 feet.
71 73

SCREEN DATA (Card 8)

DOES THE WELL HAVE SCREENS? Yes¹¹/No; OR
 DOES THE WELL HAVE SLOTTED OR PERFORATED PIPE? Yes/No¹²

LOCATION OF SCREENS: Give the diameter and depth of all screens or sections of slotted or perforated pipe.

14 inches from 610 to 650 feet
13-14 15-18 19-22

14 inches from 820 to 885 feet
43-44 45-48 49-52

14 inches from 670 to 680 feet
23-24 25-28 29-32

14 inches from 890 to 925 feet
53-54 55-58 59-62

14 inches from 730 to 790 feet
33-34 35-38 39-42

14 inches from 950 to 990 feet
63-64 65-68 69-72

QUALITY DATA (Card 9)

DID ANY STRATUM CONTAIN WATER WHICH WAS UNUSABLE? Yes/No¹¹ TYPE OF WATER 12-22

DEPTH OF STRATUM: from 10 feet; from to feet. WATER TEMPERATURE: °F
23-26 27-30 31-34 35-38 39-42

If a permit was not issued for this well and a USGS topographic map is not available, a written description and sketch map of well location will suffice.

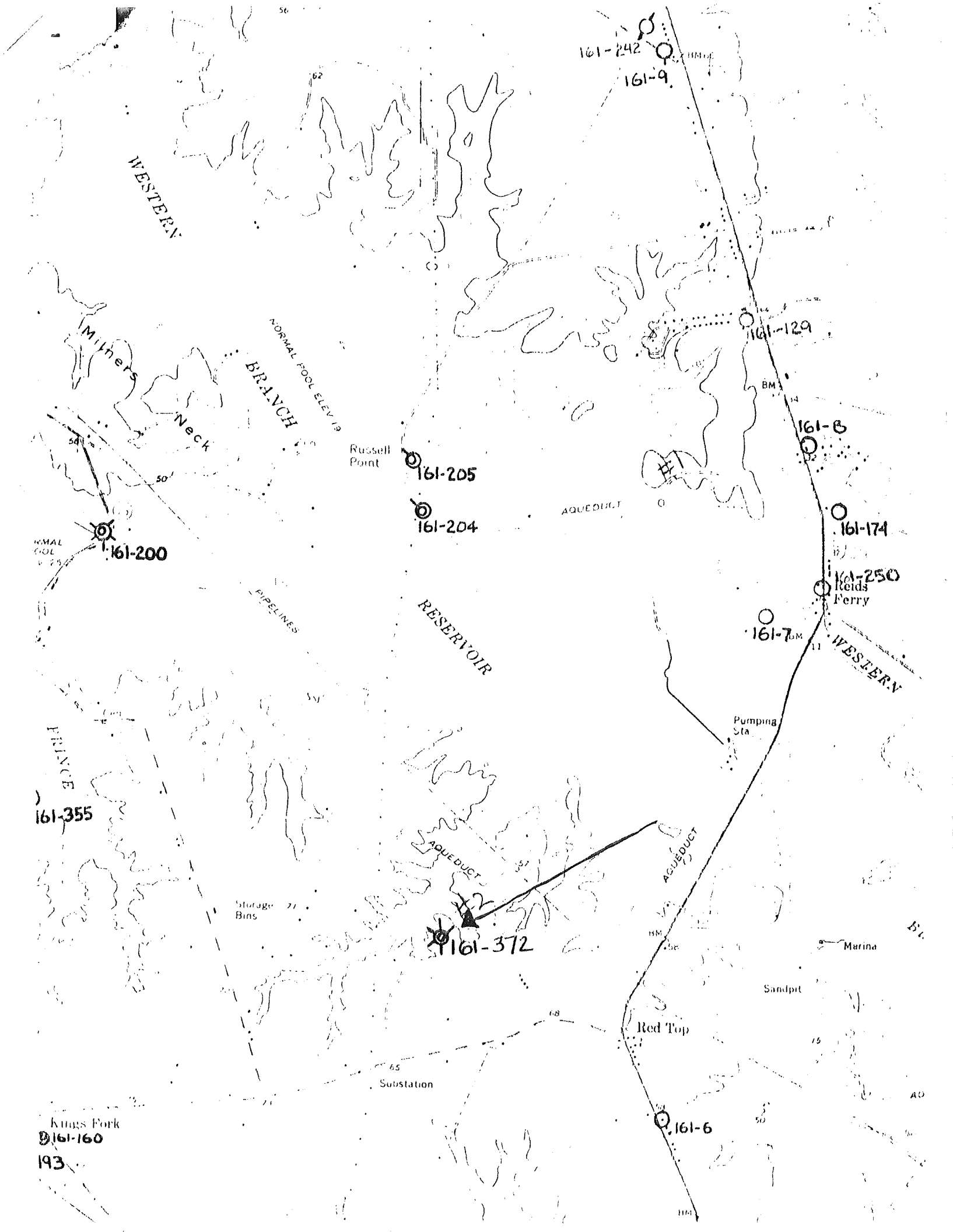
DRILLER'S LOG

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc.; hardness, color, etc.)	REMARKS (water, caving, shot, screen, samples, etc.)
From	To		
		See attached Formation Log.	

FORMATION LOG

City of Virginia Beach
Suffolk, VA
Well #2
April 20, 1981

0' - 2'	Topsoil
2' - 8'	Clay
8' - 30'	Sand
30' - 70'	Blue sandy clay
70' - 168'	Blue sandy clay and shale
168' - 170'	Rock
170' - 295'	Sandy clay
295' - 400'	Hard clay
400' - 401'	Rock
401' - 403'	Clay
403' - 404'	Rock
404' - 442'	Clay
442' - 468'	Sand and clay
468' - 495'	Sand and clay'
495' - 522'	Hard clay and sand
522' - 549'	Sand and clay
549' - 576'	Packed sand
576' - 609'	Packed sand
609' - 621'	Clay
621' - 648'	Sand and clay streaks
648' - 674'	Sand
674' - 700'	Sand and clay)
700' - 752'	Hard red clay and sand
752' - 780'	Sand and clay
780' - 808'	Sand and clay
808' - 834'	Sand and clay
834' - 861'	Sand and clay
861' - 887'	Sand and clay
887' - 915'	Sand and clay
915' - 941'	Sand and clay
941' - 959'	Fine sand and clay
959' - 968'	Clay
968' - 995'	Fine sand and clay
995' - 1014'	Fine sand and clay
1014' - 1022'	Clay
1022' - 1049'	Clay



Kings Fork
161-160
193