

# APT ANALYSIS

SITE: LOST TREE CLUB  
Sec 4 Township 42S, Range 43 E  
ELEU. 15' (TOPO)

REPORT: DRILLING and TESTING AT ELLISON  
WILSON ROAD WELL FIELD, LOST  
TREE CLUB, NORTH PALM BEACH  
FLORIDA (C#45); Geraghty + Miller Inc.

GEOLOGIC DATA: Lithologic log for TW 3A shows:

Permeability

Low

0-99'

Lithology

Sand

Low to mod.

99'-101'

Sand 60%, Shell 40%

Low to mod

101'-140'

Sand, both carbonate  
and quartz, 10% shell

moderate

140'-173'

Sand (50%), both quartz  
+ carbonate, Shell (50%)

Moderate ?

173'-190' TO

Sandy Limestone,  
trace of shell

Based on this sample log:

- 1) Aquifer is greater than 190' thick at this site.
- 2) The aquifer is unconfined.
- 3) The most productive interval at this site is probably from 99' to below TO

## WELL DESCRIPTIONS:

Well	Diag	TD	Cased Depth	Screen/Open	V.
PW-3	?	159'	144'	Screen	PW
OB(6")	6"	167'	unk	unk	60'
OB(2")	2"	153'	unk	unk	190'
PW-2	?	181'	161'	Screen	400'

## INFLUENCING FACTORS:

- 1) Screened interval for OB(6") and OB(2") is not known but is probably in the pumped zone,
- 2) No notes made on <sup>very</sup> recent pumping activity in the wellfield prior to test.

## CONSULTANT APT:

Started: 3/10/1980  
Duration: 190 min  
Discharge: 155 gpm (stopwatch + flowmeter)  
Discharge location unspecified  
Recovery: None

- ## COMMENTS:
- 1) No raw data presented.
  - 2) No mention of data acquisition methods

## CONSULTANT ANALYSIS:

Method : Boulton (described)

### Results:

Well	T (GPD/FT)	S
PW-2	40,000	$3.9 \times 10^{-4}$
OB(6")	14,000	$4.9 \times 10^{-4}$
OB(2")	30,000	$3.5 \times 10^{-4}$
Avg	28,000 (3743 Ft <sup>2</sup> /day)	$4.1 \times 10^{-4}$

## COMMENTS:

- 1) No analyses of data shown
- 2) Consultant uses T of 40,000 gpd/ft and S of  $4 \times 10^{-4}$