(26)

APT ANALYSIS

SITE: Harbour Ridge

Section 26 Township 37 S Range 40 E

REPORT: Hydrogeologic Investigation of Harbour Ridge Limited, St. Lucie Co., Florida May 1982 Geraghty & Miller 72335C 105035C

GEOLOGIC DATA: pg. ____, Appendix

WELL NUMBER OF WELL DESCRIBED: Test Production Well #1

DEPTH (LSD)	LITHOLOGY
0-5	Sand-75%, clear, very fine to fine, silt 25% gray brown
5-10	sand 70% " " " " " silt 30%, dk yellow brown
10-15	sand 60% " " " " " silt 35%, clay 5% very lt gray
15-29	sand 80% " " " " " silt 20%, pale yellow brown
29-35	clayey sand, sand 70%, fine, clear, clay 30%, olive
35-40	clay 80%, olive black, sand 20%, clear
40-45	shelly sand, sand 50% fine, clear; shell 30% white to yellow gray, silt 20% ch
45-80	sandstone, sand 80%, shell 20% white to yellow gray fine to coarse fragm. silt 10%
80-95	shelly sandstone, sand 60%, shell 30%, silt 10% lt olive gray, phos
95-100	sandstone, sand 70%, fine, clear, shell 20% fine to med, silt 10% oliv
100-110	sand, 75% fine to med; shell 20% fine to coarse fragm.; silt, 5%, lt olive gray, pho

Producing zone interval: 45-? (lsd) _____ (msl)

Aquifer name: _____

Static Water Level at the site is approximately _____ ft. msl.

WELL DESCRIPTIONS:

Well	Diam. (in)	Total Depth	Cased Depth	Scr/Open Interval	Slot Size	Radius
TPW-1	8	110	80	80-110		0
M1	2	110	80	80-110		100
M2	2	110	80	80-110		300
M3	2	110	80	80-110		633

INFLUENCING FACTORS:

discharge to pond ≈300' away, no drawdowns observed in piezometer adjacent to pond

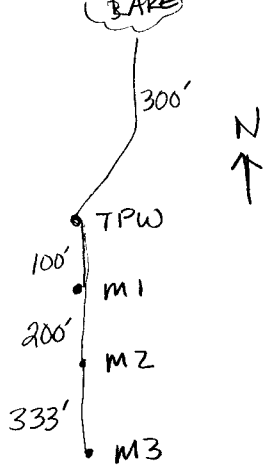
APT: pg. _____

Started: 12/2/81

Duration: 72 hours

Discharge: 390 (400) gpm

Recovery: 3 hours



Comments:

1) _____

2) _____

3) _____

CONSULTANT'S ANALYSIS: pg. _____

Method: Hantush

Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ( )	day^{-1}
M1	99,800	2×10^{-4}	1×10^{-3} gpd/ft^3	0.00013
M2	96,300	3×10^{-4}	2×10^{-3} "	0.00027
M3	126,300	2×10^{-4}	4×10^{-4} "	0.00005

Comments: _____

Method: Cooper-Jacob

Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ( )	day^{-1}
M2	69,500	7×10^{-4}	1×10^{-3} gpd/ft^3	0.00013
M3	99,700	2×10^{-4}	1×10^{-3} "	" "

Comments: _____

Method: _____

Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ( )

Comments: _____

REANALYSIS:

Method: Neuman

Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ( )
m1	99,652	1.5×10^{-4}	

Comments:

Method:

Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ( )

Comments:

RECOMMENDED VALUES:

Transmissivity (GPD/FT)	Specific Yield or Storage	Leakance

REFERENCES: