

APT ANALYSIS

SITE: Gallagher (HY308)
Section 14 Township 47 S Range 32 E

REPORT: _____

GEOLOGIC DATA: pg. _____, _____

HY 308

DEPTH (LSD)	LITHOLOGY
0-5	sand, silt
5-70	limestone, shell, 20-40% sand, low perm towards bottom
70-100	limestone 5-40% sand, high perm
100-140	limestone sand, shell, silt, low perm
140-153	sand, shell, silt, low perm
153-392	sand, clay, silt, low perm
392-900	limotone, sand, clay

Static Water Level at the site is approximately +23 ft. msl.

Base of the ^{lower Tamiami} aquifer at the site is estimated at -76 ft. msl.

WELL DESCRIPTIONS:

Well	Diam. (in)	Total Depth	Cased Depth	Screen/ Open	Plane Coords.		
					r	X	Y
PS	6	20	10	S(.02)	-		
PO	6	100	70	S(.02)	-		
LT1	2	100	70	"	250.9'		
LT2	2	100	70	"	100.5'		
LT3	2	100	70	"	54.5'		
WT1	2	20	10	"	98.9'		
WT2	2	20	10	"	51.0'		

INFLUENCING FACTORS:

NONE

APT: pg. _____

Started: 2/27/87 1758
 Duration: 4352 m, 72.53 h
 Discharge: 869 gpm
 Recovery: 3/2/87, 1830, 733.2m, 12.22hr

Comments:

- 1) Wells hand taped hourly as check on DAS, differences ranged up to ~1 ft in input 5 (well 20)
- 2) persons on site: Keith Smith, Karin Adams
- 3) _____
- 4) _____

CONSULTANT'S ANALYSIS: pg. _____

Method: Cooper
 Results: _____

Well	Transmissivity (GPD/FT)	S	Sy	K' / b' ^{gpd/ft³}
10	748,718	3.29×10^{-4}	-	1.91×10^{-1}
20	663,867	7.13×10^{-4}	-	3.57×10^{-1}
30	659,470	2.12×10^{-4}	-	1.05×10^{-1}

Comments:

Method: GWAP
 Results: _____

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
10	657,905	4.344×10^{-4}	-	-
20	476,626	1.811×10^{-4}	-	-
30	657,905	1.811×10^{-4}	-	-

Comments:

Method: WHIP
 Results: _____

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
10	652,480	4.152×10^{-4}	-	3.00×10^{-1}
20	947,716	1.22×10^{-4}	-	2.16×10^{-2}
30	658,539	1.917×10^{-4}	-	1.59×10^{-1}
ALL	958,936	9.425×10^{-4}	-	2.28×10^{-2}

Comments:

REANALYSIS:

Method: _____

Results:

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Comments:

Method: _____

Results:

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Comments:

RECOMMENDED VALUES:

Transmissivity (GPD/FT)	Storage	Sy	Leakance
<u>660,000</u>	<u>5x10⁻⁴</u>	<u>/</u>	<u>3x10⁻¹ gpd/ft³</u>

ag K 2941 2 ft/d
 CZ K' 1.6
 ag T -46
 B -76
 Th 30

20 36 →
 10 32 - ✓

REFERENCES:

CZ T -6
 B -46
 Th 40

location
 X = 467, 718
 Y = 746, 917