

APT ANALYSIS

SITE: Mills (HY208)
Section 9 Township 44 S Range 33 E

REPORT: _____

GEOLOGIC DATA: pg. _____, _____

HY 208

DEPTH (LSD)	LITHOLOGY
0-2	sand
2-15	limestone, silt, low perm
15-390	sand, shell, silt
390-412	clay
412-490	sand, calcite/tite
490-503	limestone

Static Water Level at the site is approximately +18 ft. msl.
Base of the ^{lower Tamiami} aquifer at the site is estimated at -120 ft. msl.

WELL DESCRIPTIONS:

Well	Diam. (in)	Total Depth	Cased Depth	Screen/ Open	Plane Coords.		
					r	X	Y
PW	6	160	60	S(.02)	-		
15	2	9	4		76.25		
10	2	160	60		76.5		
25	2	10	5		151.1		
20	2	160	60		150.0		
35	4	13	3		15.1		

INFLUENCING FACTORS:

APT: pg. _____

Started: 10/19/87, 1459

Duration: 4317.4m, 71.96h

Discharge: 234 gpm

Recovery: 10/22/87, 1456, 778.2m, 12.97h

Comments:

- 1) wells hand taped every 2 hours as a check on DAS, variations < .1 ft
- 2) persons on site: Keith Smith, Karin Adams, John Lukasiwicz
- 3) _____
- 4) _____

CONSULTANT'S ANALYSIS: pg. _____

Method: Cooper

Well	Transmissivity (GPD/FT)	S	Sy	K' / b' ^{gpd/ft³}
10	43,249	7.17×10^{-5}	-	1.19×10^0
20	68,755	7.04×10^{-4}	-	3.05×10^{-2}

Comments:

Method: GWAP

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
10	52,589	7.09×10^{-4}	-	-
20	73,847	7.049×10^{-4}	-	-

Comments:

Method: WHIP

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
10	76072	5.08×10^{-4}	-	1.44×10^{-2}
20	84,300	6.011×10^{-4}	-	1.14×10^{-2}
Both	71,801	6.708×10^{-4}	-	2.40×10^{-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>68,755 (bed matel)</u>	<u>7.04x10⁻⁴</u>	<u>/</u>	<u>3.05x10⁻² gpd/ft</u>

ag k 887 gpd/ft
 CE k' .085

REFERENCES:

ag T -15
 B -120
 Th 105

CE T +15
 B -15
 Th 20

location
 X 486394
 Y 852514