

APT ANALYSIS

SITE: Big Cypress Seminole Indian Reservation - Road Site
 Section 23 Township 48 S Range 32 E

REPORT: _____

GEOLOGIC DATA: pg. _____, _____

Well HY311

DEPTH (LSD)	LITHOLOGY
0-1	sand, brown, fine to coarse, 20% porosity
1-10	limestone, 40% sand, best circulation
10-17	calcutite, 50% sand, low perm.
17-78	sandy silt, limestone + shell stringers, low perm.
78-95	gray limestone
95-124	tan limestone shell
124-145	sand, sandstone, shell
145-357	clay, limestone stringers
357-455	white limestone
455-462	clay, limestone

Static Water Level at the site is approximately +19 ft. msl.

Base of the ^{lower Tamiami} aquifer at the site is estimated at -107 ft. msl.

WELL DESCRIPTIONS:

Well	Diam. (in)	Total Depth	Cased Depth	Screen/ Open	Plane Coords.		
					r	X	Y
PW	6	123'	78'	S(.040)	-		
15	2	10'	5'	S(.020)	39'		
10	2	123'	78'	S "	5165'		
25	2	10'	5'	S "	196.85'		
20	2	123'	78'	S "	200.25'		
35	2	10'	5'	S "	80'		
30	2	123'	78'	S "	77.1		

INFLUENCING FACTORS:

small pond between production well and 15, 10. Degree of confinement appears to reduce pond effects to negligible levels.

APT: pg. _____

Started: 3/16/87 1923
 Duration: 4236.8 m, 70h 36.8m
 Discharge: 298 gpm
 Recovery: 3/19/87, 1800, 724.97m, 12h 4.97m

Comments:

- 1) Wells hand taped hourly as check on OMS - hand taped levels varied from ca .05' (Trans), well 3s) to .09' (Trans 3, Well 2s) from OMS readings.
- 2) Persons on site: Keith Smith, Karla Adams
- 3) _____
- 4) _____

CONSULTANT'S ANALYSIS: pg. _____

Method: Cooper
 Results: _____

Well	Transmissivity (GPD/FT)	S	Sy	K' / b' (gpd/ft)
10	330.118	4.08×10^{-4}	-	1.98×10^{-3}
20	373.663	1.3×10^{-4}	-	9.35×10^{-4}
30	390.650	1.96×10^{-4}	-	1.05×10^{-3}

Comments:

Method: GWAP
 Results: _____

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
10	357.604	3.492×10^{-4}	-	-
20	357.604	2.472×10^{-4}	-	-
30	374.407	2.361×10^{-4}	-	-

Comments:

Method: WHIP (Jacob)
 Results: _____

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
10	392.550	2.35×10^{-4}	-	-
20	391.428	4.83×10^{-5}	-	-
30	384.322	2.13×10^{-4}	-	-
optimization	415.140	1.39×10^{-4}	-	-1.07×10^{-7} ??

Comments:

units?

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>377,000 (ccc)</u>	<u>2x10⁻⁴</u>	<u>/</u>	<u>1x10⁻³</u>

ag K 1029 2 ft/d
 CZ K' 9x10⁻³

REFERENCES:

#Y311 { ag T -58
 B -107
 Th 49
 CZ T+8
 B -58
 Th 66
 location * 465599
 713299