(14)

APT ANALYSIS

SITE: Banyan Bay

Section Hanson Grant Township 38 S Range 41 E

270835
901455
744400E
1021850N

REPORT: Hydrologic Investigation for the Banyan Bay Site
Goe & Jenson

GEOLOGIC DATA: pg. 10 , _____

WELL NUMBER OF WELL DESCRIBED: PW-1

DEPTH (LSD)	LITHOLOGY
0-5	sand, lt brown, medium to fine, unconsol.
5-10	clayey sand, medium to very fine, clays, silty, organic
10-30	sand, lt gray, medium to very fine, unconsol.
30-35	sand & shell lt gray sand, medium to fine, shell fragm., unconsol.
35-55	sandy shell, dk gray, cemented sand & shell fragm.
55-65	limestone, dk gray to black, well lithified, lt gray clay lenses & sand
65-130	as above w/ abundant unconsol. lt gray shell fragm.
130-145	limestone, lt green, friable, w/ unconsol. sand, trace of greenish clay
145-160	limestone as above with lt gray to greenish clay, green increase w/ depth

Producing zone interval: 10-55 (35-130) 60-130 (lsd) -49 to -119 (msl)

Aquifer name: _____

Static Water Level at the site is approximately ±2.16 ft. msl.

WELL DESCRIPTIONS:

Well	Diam. (in)	Total Depth	Cased Depth	Scr/Open Interval	Slot Size	Radius
PW-1	12"	130'	60'	60-130	#80	0
OW-1S	2	20	10	10-20	#40	25.4
OW-1D	2	130	60	60-130	"	25.9
OW-2D	2	130	60	60-130	"	116.5
OW-3D	2	130	60	60-130	"	217'
OW-4S	2	25	10	10-25	"	
OW-4D	2	135	60	60-135	"	

INFLUENCING FACTORS:

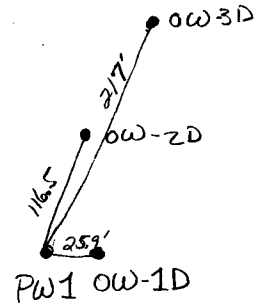
APT: pg. 19

Started: 2/20/82

Duration: 4320 min = 72 hrs

Discharge: 741 gpm

Recovery: 100 min = 1½ hrs



Comments:

1) _____

2) _____

3) _____

CONSULTANT'S ANALYSIS: pg. Table 5-1

Method: Jacob Method 1

Results:

Well	Transmissivity (GPD/FT)	(S) or Sy	Leakance ( )
OW-1D	29,600	5.06×10^{-4}	
OW-2D	31,800	2.68×10^{-4}	
OW-3D	33,200	2.57×10^{-4}	

Comments: _____

Method: Hantush Method 1

Results:

Well	Transmissivity (GPD/FT)	(S) or Sy	Leakance (gpd/ft²)	b'
OW-1D	29,300	5.38×10^{-4}	2.49×10^{-2}	5'
OW-2D	30,800	2.91×10^{-4}	1.05×10^{-2}	5'
OW-3D	31,300	2.97×10^{-4}	9.90×10^{-3}	5'

Comments: _____

Method: Hantush - Jacob

Results:

Well	Transmissivity (GPD/FT)	(S) or Sy	Leakance (gpd/ft³)	gpd/ft³
OW-1D	30,654	3.24×10^{-1}	6.84×10^{-3}	3.42×10^{-2}
OW-2D	28,210	2.38×10^{-3}	4.98×10^{-3}	2.5×10^{-2}
OW-3D	33,965	2.0×10^{-3}	1.72×10^{-3}	8.6×10^{-2}

Comments: _____

1D = 4.57×10^{-3} day⁻¹

2D = 3.34×10^{-3}

3D = 2.30×10^{-3}

REANALYSIS:

Method: _____
Results:

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

Comments: _____

Method: _____
Results:

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

Comments: _____

RECOMMENDED VALUES:

Transmissivity (GPD/FT)	Specific Yield or Storage	Leakance

REFERENCES: