

APT ANALYSIS

SITE: Port LaBelle
Section 1 Township 43 S Range 29 E

REPORT: Ground Water Resources at Port LaBelle
Geraghty and Miller Inc November 1983

GEOLOGIC DATA: pg. 9

DEPTH (LSD)	LITHOLOGY
0-26	sand, shell, clay
26-94	sandstone, shell, clay, sand
94-275	sand, clay, shell
275-323	sand, shell
323-360	sand, shell, clay

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

Base of the ^{sandstone (classic)} aquifer at the site is estimated at _____ ft. msl.

WELL DESCRIPTIONS:

Well	Diam. (in)	Total Depth	Cased Depth	Screen/ Open	Plane Coords.		
					r	X	Y
PW2	12	278	218	S(.035)	-		
81-1	2	135	115	S	34		
71-1(PW)	8	137	127	S	1350		
80-2	1.5	200	110	S(.04)	1860		
80-3	1.5	200	110	↓	1650		

INFLUENCING FACTORS:

PW1 shut down 11 hours before start of APT
pump failed at 2 1/4 hours into test

APT: pg. _____

Started: 1/6/82
Duration: 21.25 hrs
Discharge: 166.9
Recovery: yes

Comments:

- 1) T values range from 119,100 to 298,900 and S range from 3.0×10^{-4} to 4.87×10^{-4} depending on abs. well and calculation method (Jacob mod., welton, Stallman; none)
- 2) _____
- 3) _____
- 4) _____

CONSULTANT'S ANALYSIS: pg. see attached

Method: _____
Results: _____

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

Comments:

Method: _____
Results: _____

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

Comments:

Method: _____
Results: _____

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

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>130,000</u>	<u>4x10⁻⁴</u>	<u>/</u>	<u>/</u>

use low values because of boundaries encountered - don't want to show high

REFERENCES:

maps & well construction

Agk 290
Czk' 1.3x10⁻² (cons rpt.) 5 ft/day

Ag T ~ 200
B ~ 226
Th ~ 60

Cz T ~ 50
B ~ 200
Th ~ 150

location + 377300
884550