

### APT ANALYSIS

SITE: Collier Corp (USGS)  
Section 31 Township 46 S Range 32 E

REPORT: Klein 1964

GEOLOGIC DATA: pg. \_\_\_\_\_, \_\_\_\_\_

DEPTH (LSD)

LITHOLOGY


Static Water Level at the site is approximately \_\_\_\_\_ ft. msl.

Base of the 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
HE289		70	?	?		
HE290		80	↓	↓	1800	
HE291		92	↓	↓	2300	

INFLUENCING FACTORS:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

APT: pg. 54

Started: 6/18/58  
 Duration: 14h  
 Discharge: 1570 gpm  
 Recovery: \_\_\_\_\_

Comments:

- 1) \_\_\_\_\_  
\_\_\_\_\_
- 2) \_\_\_\_\_  
\_\_\_\_\_
- 3) \_\_\_\_\_  
\_\_\_\_\_
- 4) \_\_\_\_\_  
\_\_\_\_\_

CONSULTANT'S ANALYSIS: pg. \_\_\_\_\_

Method: Cooper  
 Results: \_\_\_\_\_

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
HE290	500,000	$1.63 \times 10^{-4}$	-	$2.8 \times 10^{-2}$
HE291	515,000	$1.49 \times 10^{-4}$	-	$3.6 \times 10^{-2}$
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

*gpd/ft<sup>2</sup>  
10b'*

*b' = 20'*

Comments:

Method: \_\_\_\_\_  
 Results: \_\_\_\_\_

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

*gpd/ft<sup>2</sup>  
K' / b'*

$1.12 \times 10^{-2}$

$1.44 \times 10^{-2}$

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>510,000 (ave)</u>	<u>1.5 x 10<sup>-4</sup></u>	<u>/</u>	<u>1.3 x 10<sup>-8</sup> gpd/ft<sup>3</sup></u>

REFERENCES:

*ag K = 758*  
*CZ K' = 4.3 x 10<sup>-8</sup>*  
*ag T = 10*  
*B = 106*  
*T<sub>h</sub> = 90*  
*CZ T = 15*  
*B = 16*  
*T<sub>h</sub> = 31*  
*location*  
*X 451300*  
*Y 764300*

*from HY309*