

APT ANALYSIS

SITE: CPI
Section 6 Township 45 S Range 28 E

REPORT: Missimer

GEOLOGIC DATA: pg. _____, _____

DEPTH (LSD)	LITHOLOGY
0-20	sand, shell
20-65	marl, clay
65-70	sand, shell, clay
70-80	clay
80-85	gravel
85-105	clay, shell, limestone, fine sand
105-125	sand, clay, shell
125-135	gravel
135-154	sandy clay
154-160	limestone

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

Base of the ^{non-lithic (elastic zone)} aquifer at the site is estimated at _____ ft. msl.

WELL DESCRIPTIONS:

Well	Diam. (in)	Total Depth	Cased Depth	Screen/Open	r	Plane Coords. X	Y
HM177(PW)	8	125	65	S 65-85 111-125	-		
HM178	4	120	76	S 70-75 111-120	485		
HM179	4	128	73	S 73-78 108-128	1385		
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

INFLUENCING FACTORS:

all wells open to two zones

APT: pg. _____

Started: 3/20/85
 Duration: 24hr
 Discharge: 250 gpm
 Recovery: yes

Comments:

- 1) water level readings in monitor wells obtained with Stevens Penders - checked periodically with tape.?
- 2) distinct well commenced decline 10 minutes after start of test, closer well commenced decline 50 min. after start of test. - indicates anisotropic conditions.
- 3) _____
- 4) _____

CONSULTANT'S ANALYSIS: pg. _____

Method: Wentworth - Jacob
 Results: _____

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
<u>H21178</u>	<u>24,000</u>	<u>7×10^{-3}</u>	<u>-</u>	<u>1×10^{-1}</u>
<u>H21179</u>	<u>35,000</u>	<u>5×10^{-4}</u>	<u>-</u>	<u>1.8×10^{-4}</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Comments:

Method: WAP
 Results: _____

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
<u>178</u>	<u>15,037</u>	<u>2.798×10^{-3}</u>	<u>/</u>	<u>/</u>
<u>153</u>	<u>47,409</u>	<u>3.213×10^{-4}</u>	<u>/</u>	<u>/</u>
<u>179</u>	<u>37,436</u>	<u>6.868×10^{-4}</u>	<u>/</u>	<u>/</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Comments:

Method: WHIP
 Results: _____

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
<u>178</u>	<u>51896</u>	<u>1.212×10^{-5}</u>	<u>/</u>	<u>7.9</u>
<u>153</u>	<u>62525</u>	<u>1.18×10^{-5}</u>	<u>/</u>	<u>13.3</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

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>30000</u>	<u>5×10^{-4}</u>	<u>/</u>	<u>0.1 gal/ft³</u>

REFERENCES:

HT120 {
 Aq K 67 ft/day
 CE K' .7 ft/day
 Aq T-120
 B -180
 Th 60
 CE T -70
 B -120
 Th 50

*see terrain
map for depth zone*

location X 317250
 Y 822150