

APT ANALYSIS

SITE: Turner Corporation (North Site)
Section 6 Township 45 S Range 28 E

REPORT: Mineral
May 1983

GEOLOGIC DATA: pg. _____, _____

DEPTH (LSD)	LITHOLOGY
0-5	sand
5-15	sandstone
15-25	limestone
25-90	clay
90-125	Coarse elastics
125-159	clay
159-189	limestone
189-217	marl, limestone
217-242	limestone
242-260	marl

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

Base of the ^{sandstone (carbonate zone)} 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
HM120(Prod)	10	250	162	open	-		
HM121	4	250	162	↓	51		
HM122	4	250	160	↓	101		
HM123	4	250	160	↓	390		

INFLUENCING FACTORS:

APT: pg. _____

Started: 4/12/83
 Duration: 72+
 Discharge: 367
 Recovery: yes

Comments:

- 1) _____

- 2) _____

- 3) _____

- 4) _____

CONSULTANT'S ANALYSIS: pg. _____

Method: Neubach - Jacob

6 GPD/FT

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
<u>HM121</u>	<u>17,600</u>	<u>1.5×10^{-4}</u>	<u>-</u>	<u>1.1×10^{-2}</u>
<u>HM122</u>	<u>19,500</u>	<u>1×10^{-4}</u>	<u>-</u>	<u>3.1×10^{-3}</u>
<u>HM123</u>	<u>26,800</u>	<u>6.5×10^{-5}</u>	<u>-</u>	<u>1.8×10^{-3}</u>

Comments:

Method: FWAP

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
<u>121</u>	<u>18,311</u>	<u>1.752×10^{-4}</u>	<u>/</u>	<u>/</u>
<u>122</u>	<u>19,227</u>	<u>1.212×10^{-4}</u>	<u>/</u>	<u>/</u>
<u>123</u>	<u>29,093</u>	<u>6.817×10^{-5}</u>	<u>/</u>	<u>/</u>

Comments:

Method: WHIP

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
<u>121</u>	<u>33,182</u>	<u>1.112×10^{-5}</u>	<u>/</u>	<u>5.56×10^{-5}</u>
<u>122</u>	<u>35,979</u>	<u>1.332×10^{-5}</u>	<u>/</u>	<u>6.0259×10^{-5}</u>
<u>123</u>	<u>49,749</u>	<u>1.827×10^{-5}</u>	<u>/</u>	<u>3.5724×10^{-5}</u>
<u>All</u>	<u>41,088</u>	<u>1.789×10^{-5}</u>	<u>/</u>	<u>?</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
20 000	1×10^{-4}	/	1×10^{-3} gpd/ft ³

A₂K 42
CZK' 1.2×10^{-2} 3 ft/d

A₂T -97
B -161
Th 64

CZT 8
B -97
Th 91

see CAI for shallow zone

REFERENCES:

location x 318450
y 819650