

APT ANALYSIS

SITE: David Lee
Section 29 Township 42 S Range 28 E

REPORT: Hydrogeologic Study for David Lee
Murray Milleson Inc May 1987

GEOLOGIC DATA: pg. _____, _____

DEPTH (LSD)	LITHOLOGY
0-15	sand
15-18	sand, clay
18-39	limestone
39-145	sandy clay
145-155	white limestone
155-158	white sandy clay
155-160	white limestone
160-163	white sandy clay
163-185	white limestone
185-	white sandy clay

Static Water Level at the site is approximately _____ ft. msl.
Base of the ^{unnamed (carbonate 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
PW	10	180	100	?	-		
MW1	4	190	100	↓	150		
MW2	4	190	100	↓	300		
MW3	4	185	100	↓	700		

INFLUENCING FACTORS:

APT: pg. 5

Started: 4/30/87
Duration: 68.5 h
Discharge: 200 gpm
Recovery: 4W

Comments:

- 1) _____
- 2) _____
- 3) _____
- 4) _____

CONSULTANT'S ANALYSIS: pg. 10

Method: Hammerhead - Jacob
Results: _____

Well	Transmissivity (GPD/FT)	S	Sy	K' /b'
MW1	15,529	2.1×10^{-5}	-	-
MW2	16,762	2.0×10^{-5}	-	-
MW3	18,858	2.0×10^{-5}	-	-
dist/dd	12,723	1.5×10^{-4}	-	9.5×10^{-4}

Comments:

Method: LWAP
Results: _____

Well	Transmissivity (GPD/FT)	S	Sy	K' /b'
1	13,809	3.16×10^{-5}	-	-
2	15,144	2.089×10^{-5}	-	-
3	19,065	2.45×10^{-5}	-	-

Comments:

Method: WHIP
Results: _____

Well	Transmissivity (GPD/FT)	S	Sy	K' /b'
1	14,930	2.477×10^{-5}	-	2.00×10^{-4}
2	16,905	6.756×10^{-5}	-	8.06×10^{-5}
3	20,420	2.0×10^{-5}	-	5.33×10^{-5}
All	15,440	2.287×10^{-5}	-	2.06×10^{-4}

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>15,000</u>	<u>2x10⁻⁵</u>	<u>/</u>	<u>1x10⁻⁴ gpd/ft³</u>

REFERENCES:

AQ K 100
CZ K' 1.5 x 10⁻³ ft/day

AQ T -120
B -140
Th 20

CZ T -10
B -120
Th 110

location x 323600
y 894950

UWLA