

APT ANALYSIS

SITE: Walter Ferguson
Section 28 Township 42 S Range 28 E

REPORT: Hydrogeologic Study for Walter Ferguson
Murray-Milleson Inc February 1987

GEOLOGIC DATA: pg. 3, _____

DEPTH (LSD)	LITHOLOGY
0-10	sand
10-15	sand clay
15-35	limestone
35-40	sandy clay
40-95	clay
95-135	sand and gravel
140-150?	sandy clay

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	r	Plane Coords.	
						X	Y
P4	12	100	90		-		
1	2	↓	59		50		
2	2	↓	59		200		
3	2	↓	50		400		

INFLUENCING FACTORS:

boundary effects encountered

APT: pg. _____

Started: 3/15/87

Duration: 48h

Discharge: 740gpm

Recovery: yes (4h)

Comments:

1) boundary effects encountered

2) _____

3) _____

4) _____

CONSULTANT'S ANALYSIS: pg. 10

Method: Blover

Results: _____

Well	Transmissivity (GPD/FT)	S	Sy	^{GAP/FE3} K' / b'
1				
2	113,072	2.5×10^{-4}	-	6×10^{-4}
3	84,804	4.3×10^{-4}	-	1.3×10^{-4}

Comments:

Method: GWAP

Results: _____

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
2	117,083	5.347×10^{-4}	-	-
3	101,942	4.151×10^{-4}	-	-

Comments:

Method: WHIP

Results: _____

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
1	50,378	5.079×10^{-3}		
2	47,655	1.598×10^{-3}		
3	43,915	1.007×10^{-3}		
All	65,757	8.431×10^{-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>65,000 (with IP)</u>	<u>2x10⁻⁴</u>	<u>/</u>	<u>5x10⁻⁴ gpd/ft</u>

A₂ K 217 ft/d
CZ K 4x10⁻³ ft/d

Area A

REFERENCES:

CR {
A₂ T -70
B -110
Th 40
CZ T -10
B -70
T 60

location X 333100
Y 892000