

APT ANALYSIS

SITE: Kinsler Property
 Section R Township 43 S Range 28 E
 REPORT: Assessment of Ground Water Resources - Kinsler Property
Dec 1981

GEOLOGIC DATA: pg. _____, _____

DEPTH (LSD)	LITHOLOGY
0-10	Sand
10-20	White sandy limestone
20-60	sandy clay, low perm
60-70	clay, low perm
70-100	sand, minor clay + sandstone
100-110	clayey sand, low perm
110-150	sand, shell sandstone
150-200	White sandy limestone

Static Water Level at the site is approximately _____ ft. msl.
 Base of the ^{sandstone (Clastic 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
PW(A.M.73)	_____	135	116	?	-	_____	_____
HM70	_____	111	97		184	_____	_____
HM71	_____	122	115		21.5	_____	_____
HM72	_____	171	160	↓	21.5	_____	_____

INFLUENCING FACTORS:

APT: pg. _____

Started: _____
Duration: 1015M
Discharge: 187gpm
Recovery: _____

Comments:

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

CONSULTANT'S ANALYSIS: pg. _____

Method: Van Tuysch - Jacob

GPP/F²

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
<u>HM70</u>	<u>11,700</u>	<u>2x10⁻⁴</u>	<u>-</u>	<u>2.8x10⁻³</u>
<u>HM71</u>	<u>9260</u>	<u>2.6x10⁻³</u>	<u>-</u>	<u>8x10⁻³</u>
<u>HM72</u>	<u>9300</u>	<u>5x10⁻⁴</u>	<u>-</u>	<u>-</u>

Comments:

Method: GWAP

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
<u>HM70</u>	<u>13,852</u>	<u>7.964x10⁻⁵</u>	<u>-</u>	<u>-</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Comments:

Method: WHIP

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
<u>HM70</u>	<u>14,145</u>	<u>6.66x10⁻⁵</u>	<u>/</u>	<u>4.52x10⁻⁴</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>10,000</u>	<u>1×10^{-4}</u>	<u>/</u>	<u>5×10^{-3} gpd/ft³</u>

REFERENCES:

AQK 15 $2 \frac{gpd}{ft}$
 CZ K' 5.6×10^{-1}
 HET ~ -75
 B ~ -165
 Th ~ 90
 CZ T ~ -60
 B ~ -75
 Th ~ 15
 location X 325500
 Y 879600