APT ANALYSIS

SITE: Alice D (HY 128)

Section 20 Township 44 S Range 30 E

REPORT:

GEOLOGIC DATA: pg. ____, ____

HY 128

DEPTH (LSD)	LITHOLOGY
0-4	sand
4-8	no samples
8-10	limestone
10-22	sand, calcilutite
22-277	sand, silt, low perm
277-322	gravel, sandstone
322-377	sand, sandstone
377-502	calcilutite, silt, clay, low perm

Static Water Level at the site is approximately +20 ft. msl.

Base of the sandstone (clastic zone) aquifer at the site is estimated at -325 ft. msl.

WELL DESCRIPTIONS:

Well	Diam. (in)	Total Depth	Cased Depth	Screen/ Open	r	Plane Coords. X	Y
PW	6	340	300	S(02)	-		
15	2	10	5		75'		
10	2	340	300		73'		
20	2	340	300		197'		

INFLUENCING FACTORS:

APT: pg. _____

Started: 1/11/88, 1700
Duration: 4324.8m, 72.08h
Discharge: 113 gpm
Recovery: 1/14/88, 1704, 720.05m, 12h

Comments:

1) wells hand taped every 2hours as check on DAS

2) persons on site: Keith Smith, Art Tassinari

3) _____

4) _____

CONSULTANT'S ANALYSIS: pg. _____

Method: Cooper
Results:

Well	Transmissivity (GPD/FT)	S	Sy	K'/b'
10	59,900	8.8×10^{-5}	–	1.4×10^{-3}
20	67,580	1.74×10^{-4}	–	9.31×10^{-3}

Comments:

Method: GWAP
Results:

Well	Transmissivity (GPD/FT)	S	Sy	K'/b'
10	61977	7.3×10^{-5}		
20 early	35,099	2.5×10^{-4}		
20 late	67,956	1.7×10^{-4}		

Comments:

Method: WHIP
Results:

Well	Transmissivity (GPD/FT)	S	Sy	K'/b'
	45,000 - 76,000	2.4E-5 – 4.5E-4	–	1.8E-9 - 1.9E-3

Comments: T's and K'/b' suspect from Well 10 due to fluky early time data

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
60000	1×10^{-4}	/	5×10^{-3} gpd/ft

AqK 89 ft/d
CZ K' .17 ft/d

REFERENCES:

AqT .265
S .325
Th 60

CZT 5
S .265
Th 260

location x 387660
y 837320