

APT ANALYSIS

SITE:

C-23

Section 6 Township 38 S Range 38 E

271218
803400

REPORT:

District site

1043900N
641000E

GEOLOGIC DATA: pg. _____, _____

WELL NUMBER OF WELL DESCRIBED: _____

assume D-obs

C. Bavin
10/2/00

DEPTH (LSD)	LITHOLOGY
0-10	sand shells
10-20	calcareous sandstone, sparry calcite
20-70	calcareous sandstone, sparry calcite, coquinaoid
70-90	as above with fine sand
90-100	as above with dk green clay
100-120	sandstone, calcite, coquinaoid, fine sand
120-130	sandstone, calcite, broken shell, very fine sand
130-140	sandstone, calcite, dk green clay, broken shell
140-160	dk green clay, broken shell
160-180	dk green clay

Producing zone interval: 30-90 ¹⁰⁰⁻¹³⁰ (lsd) _____ (msl)

Aquifer name: surficial

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

WELL DESCRIPTIONS:

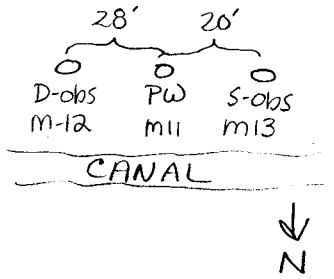
Well	Diam. (in)	Total Depth	Cased Depth	Scr/Open Interval	Slot Size	Radius
PW		110'	0-30'	30-110'		—
D-obs		180'	0-40'	40-180'		28
S-obs		40'	0-20'	20-40'		20

INFLUENCING FACTORS:



APT: pg. _____

Started:	Aug 27, 1984 @ 1735	Nov 13, 1984
Duration:	16 hours (960 min)	4 hours 240 min
Discharge:	405 gpm	400 gpm
Recovery:	2 hours (120 min.)	10 min



Comments:

- 1) Test rerun with in-situ equipment for more early time data
- 2) 1st test = 1st time step ^(15 min) drawdown = 6.4
2nd test 1st time ^(25 min) drawdown = 4.82
- 3) Data not very good, ^{obs} well too close to PW

CONSULTANT'S ANALYSIS: pg. _____

Method: Boulton (1st test)

Recovery (Test 1)
D.obs T = 142,560 late
= 42,768 early

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ()
D-obs	18,565		

Comments:

Method: Distance Drawdown (1st test)

Well	Transmissivity (GPD/FT)	(S) or Sy	(Leakance ()
D-obs	42,240		

Comments:

Method: Time Drawdown (1st test)

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ()
D-obs	106,920		

Comments: difficult to determine best fit of line

REANALYSIS:

Method: Neuman (2nd test)
Results: _____

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ()
Hand plot D-obs	26,964	.00304	Anisotropy = .018
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

Method: Cooper
Results: _____

Well	Transmissivity (GPD/FT)	S or Sy	Leakance (day ⁻¹) ^{K'/b'}
Calcomp	14,971	2.55 x 10 ⁻⁴	.103
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

RECOMMENDED VALUES:

Transmissivity (GPD/FT)	Specific Yield or Storage	Leakance
_____	_____	_____
_____	_____	_____

REFERENCES: