

APT ANALYSIS

SITE: Silver Strand Groves
Section 10 Township 46 S Range 29 E

REPORT: Hydrogeology of the Silver Strand North Grove
Nov 1983

GEOLOGIC DATA: pg. _____, _____

DEPTH (LSD)	LITHOLOGY
0-15	sand, gravel
15-20	clay, sand
20-25	sand, clay, shell
25-50	sand, gravel, sand
50-75	sand, shell, clay
75-110	silt, clay
110-167	sand, sandstone clay
167-180	clay, limestone

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
C0755 (PW)	10	185	130	?	-		
C0753	4	183	120	↓	70		
C0754	4	183	120	↓	225		
C0756	8	195	130	↓			
					1177		

INFLUENCING FACTORS:

wells open to both zones of sandstone aquifer

APT: pg. _____

Started: 7/7/83
 Duration: 48h
 Discharge: 520 gpm
 Recovery: yes (95m)

Comments:

- 1) wells open to both zones of sandstone aquifer
- 2) _____
- 3) _____
- 4) _____

CONSULTANT'S ANALYSIS: pg. _____

Method: _____
 Results: _____

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
<u>C0753</u>	<u>12,955</u>	<u>2.2×10^{-4}</u>	<u>-</u>	<u>2.3×10^{-3}</u>
<u>C0754</u>	<u>14,188</u>	<u>3.7×10^{-3}</u>	<u>-</u>	<u>1×10^{-3}</u>
<u>C0756</u>	<u>14,898</u>	<u>1.3×10^{-4}</u>	<u>-</u>	<u>4.2×10^{-4}</u>

Comments:

Method: GWAP
 Results: _____

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
<u>C0753</u>	<u>13,033</u>	<u>2.317×10^{-4}</u>	<u>/</u>	<u>/</u>
<u>C0754</u>	<u>14,972</u>	<u>3.672×10^{-4}</u>	<u>/</u>	<u>/</u>
<u>C0756</u>	<u>16,372</u>	<u>1.135×10^{-4}</u>	<u>/</u>	<u>/</u>

Comments:

Method: WHIP
 Results: _____

Well	Transmissivity (GPD/FT)	S	Sy	K' / b'
<u>C0753</u>	<u>14,451</u>	<u>1.057×10^{-4}</u>	<u>/</u>	<u>5.82×10^{-4}</u>
<u>C0754</u>	<u>13,090</u>	<u>4.178×10^{-4}</u>	<u>/</u>	<u>1.66×10^{-4}</u>
<u>C0756</u>	<u>13,449</u>	<u>1.178×10^{-4}</u>	<u>/</u>	<u>5.83×10^{-4}</u>
<u>A11</u>	<u>14,975</u>	<u>1.81×10^{-4}</u>	<u>-</u>	<u>-</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
14000	1×10^{-4}	✓	1×10^{-3} gpd/ft ³

Aq K 31
 CZ K' 3.3×10^{-3} } ft/day

REFERENCES:

Aq T -90
 B -150
 Th ~60
 CZ T -65
 B -90
 Th 25

location X 365100
 Y 783650