

APT ANALYSIS

SITE: USSC Southern Division Ranch Phase I
Section Township 47 S Range 34 E

REPORT: Misimer

GEOLOGIC DATA: pg. ,

DEPTH (LSD)	LITHOLOGY
0-33	sand
33-60	clay, sand
60-66	calclutite
66-178	limestone, sand
178-200	clay

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

Base of the ^{lower Tamiami} aquifer at the site is estimated at ~750 ft. msl.

WELL DESCRIPTIONS:

Well	Diam. (in)	Total Depth	Cased Depth	Screen/Open	Plane Coords.	
					r	X Y
HM235	12	125	65	open	-	
HM231	4	129	67	↓	197'	
HM236	4	130	65	↓	497'	
HM237	4	126	65	↓	997'	
HM241	6	112	?	↓	1278'	
HM242	6	?	?	↓	1922'	

INFLUENCING FACTORS:

wells possibly partially penetrating

APT: pg. _____

Started: _____
 Duration: 4328 m, 72+ h
 Discharge: 754 gpm
 Recovery: 1800m, 30 h

Comments:

- 1) _____

- 2) _____

- 3) _____

- 4) _____

CONSULTANT'S ANALYSIS: pg. _____

Method: Curve matching

gpd/ft³

Well	Transmissivity (GPD/FT)	S	Sy	K' /b'
HM231	105,000	3.7×10^{-4}	-	1.1×10^{-3}
HM236	96,000	3.9×10^{-4}	-	2.5×10^{-3}
HM237	105,000	5.0×10^{-4}	-	1.1×10^{-3}
HM241	123,000	6.0×10^{-4}	-	1.1×10^{-3}
HM242	123,000	5.6×10^{-4}	-	1.3×10^{-3}

Comments:

Method: GWAP

Well	Transmissivity (GPD/FT)	S	Sy	K' /b'
1 231	103,867	4.429×10^{-4}	-	-
2 236	99,192	4.746×10^{-4}	-	-
3 237	99,192	3.684×10^{-4}	-	-

Comments:

Method: WHIP

Well	Transmissivity (GPD/FT)	S	Sy	K' /b'
1 231	102,027	3.698×10^{-4}	-	3.63×10^{-3}
2 236	127,908	5.526×10^{-4}	-	7.30×10^{-3}
3 232	84,823	5.133×10^{-4}	-	7.16×10^{-3}
All	94,921	4.685×10^{-4}	-	5.48×10^{-3}

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>100,000</u>	<u>3×10^{-4}</u>	<u>/</u>	<u>3×10^{-3} gpd/ft³</u>

Ag K 248 } ft/d
 CZ K' 8.4×10^{-3} }

REFERENCES:

Ag T -66
 B -120 } bottom of well
 Th 54 }

CZ T -45
 B -66
 Th 21

location X = 510909
 Y = 761142