

### APT ANALYSIS

**SITE:** L. J. Nobles  
Section 36 Township 42 S Range 28 E

**REPORT:** Hydrogeologic Study for L.J. Nobles  
Murray-Milneson Inc May 1987

**GEOLOGIC DATA:** pg. 4, \_\_\_\_\_

DEPTH (LSD)	LITHOLOGY
0-20	sand
20-30	clayey sand
30-40	sandy clay
40-80	clay
80-100	sandy clay gravel
100-120	marl
120-160	limestone
160-180	sandy clay

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

Base of the <sup>unnamed (carbonate zone)</sup> 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
TPW1	10	170	97	?	-		
MW1	4	164	100	?	100		
MW2	4	170	100	?	300		

#### INFLUENCING FACTORS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

APT: pg. 5

Started: 4/5/87  
Duration: 70h  
Discharge: 700 gpm  
Recovery: 4 hours

Comments:

- 1) 3 hour test also done on different wells with significantly higher T's
- 2) \_\_\_\_\_
- 3) \_\_\_\_\_
- 4) \_\_\_\_\_

CONSULTANT'S ANALYSIS: pg. \_\_\_\_\_

Method: Glover

Well	Transmissivity (GPD/FT)	S	Sy	K' /b' (GPD/FT <sup>3</sup> )
MW1	16,044	1.1 x 10 <sup>-4</sup>	-	2.54 x 10 <sup>-3</sup>
MW2	13,370	6.2 x 10 <sup>-5</sup>	-	1.50 x 10 <sup>-3</sup>

Comments:

Method: GWAP

Well	Transmissivity (GPD/FT)	S	Sy	K' /b'
MW1	15,284	6.59 x 10 <sup>-5</sup>	-	-
MW2	13,938	6.37 x 10 <sup>-5</sup>	-	-

Comments:

Method: WHTP

Well	Transmissivity (GPD/FT)	S	Sy	K' /b'
MW1	17,578	5.907 x 10 <sup>-5</sup>	-	1.64 x 10 <sup>-3</sup>
MW2	13,307	5.389 x 10 <sup>-5</sup>	-	1.99 x 10 <sup>-3</sup>
Both	19,553	3.423 x 10 <sup>-5</sup>	-	4.61 x 10 <sup>-4</sup>

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>15000</u>	<u>5x10<sup>-5</sup></u>	<u>/</u>	<u>2x10<sup>-3</sup></u>

Aq K 50  $\frac{2}{5}$  ft/d  
CZ K'  $2.4 \times 10^{-2}$

UNCL

REFERENCES:

Aq T -90  
B -130  
Th 40

CZ T 0  
B -90  
Th 90

location X 344100  
Y 889890