

**APT ANALYSIS**

④

**SITE:** McCarty Ranch

Section 23 Township 37 S Range 38 E

271440  
802955  
1058300N  
662850E

**REPORT:** McCarty Ranch Aquifer Test Report - George W. Hill  
USGS unapproved

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

**WELL NUMBER OF WELL DESCRIBED:** SL-185

DEPTH (LSD)	LITHOLOGY
0-1	sand, organics
1-3	red sand, gray clay
3-6	blue gray clay, fine sand
6-10	limestone, gray, sandy, shell, some clay
10-15	limestone & 90% sand
15-35	shells
35-40	fine gray sand
40-50	shell & limestone
50-63	fine gray sand
63-88	sand, shell, clay
88-103	sand
103-118	shell (unconsolidated) lost mud

*- this info entered into Wilma spreadsheet as "PW" since I have no info on SL-185 - CBevier 10/2/00*

Producing zone interval: 10-63/88-? (lsd) \_\_\_\_\_ (msl)

Aquifer name: Surficial

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

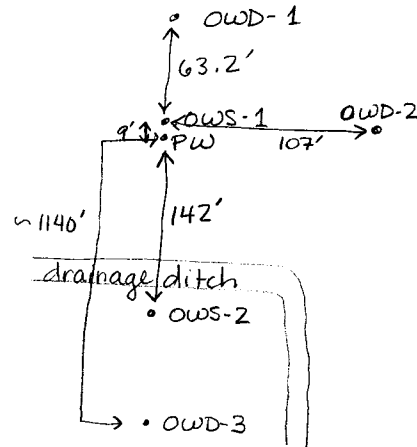
**WELL DESCRIPTIONS:**

Well	Diam. (in)	Total Depth	Cased Depth	Scr/Open Intvl	Slot Size	Radius
PW	4	113	103	103-113		-
OWD-1	2	98	88	88-98		72
OWD-2	2	109	99	99-109		107
OWD-3	6	120	UNK	UNK		1140
DWS-1	2	11			OPEN	9
DWS-2	2	23			OPEN	142

**INFLUENCING FACTORS:**

shallow drainage ditches w/in 130' used for discharge - ditches underlain by clay layer  
Large rock quarry 2 mi west of site

APT: pg. \_\_\_\_\_  
 Started: March 28, 1979 @ 1330  
 Duration: 1464 minutes = 24.4 hours  
 Discharge: 0-5 hours 131 GPM 5-24 hours 123 gpm  
 Recovery: none



Comments:

- 1) 3 water level recorders used to collect data (Stevens F-type)
- 2) OWD-2 recorder pulley jammed against housing & record was lost for .95' drawdown
- 3) OWD-1 adjusted 0.18' at 1227 prorated back to 0 at beginning

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

Method: Hantush I Leaky, unsteady  
 Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ( )
OWD-1	9,971	$1.07 \times 10^{-4}$	
OWD-2	10,625	$1.15 \times 10^{-4}$	

Comments:

Method: Hantush Jacob leaky, unsteady  
 Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ( $K'/b'$ )
OWD-1	10,000	$1.0 \times 10^{-4}$	$4.1 \times 10^{-4} d^{-1}$
OWD-2			$4.2 \times 10^{-4} d^{-1}$

Comments:

Method: Theim  
 Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ( )
OWD 1,2,3	9396	$1.18 \times 10^{-3}$	

Comments:

**REANALYSIS:**

Method: \_\_\_\_\_  
Results: \_\_\_\_\_

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ( )
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: \_\_\_\_\_

Method: \_\_\_\_\_  
Results: \_\_\_\_\_

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ( )
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: \_\_\_\_\_

**RECOMMENDED VALUES:**

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

**REFERENCES:**