Compilation of Results of Aquifer Tests in Texas

by Brent Christian, P.G. • David Wuerch, P.G.

Report 381
April 2012

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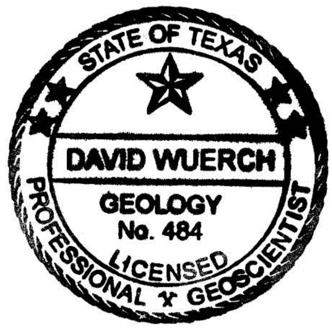
April 2012

Geoscientist Seal

The contents of this report (including figures and tables) document the work of the following licensed Texas geoscientists:

David Wuerch, P.G. No. 484
Mr. Wuerch was responsible for reviewing the raw data, preparing the final versions of the aquifer test graphs, and writing the front section of the report.

The seal appearing on this document was authorized on April 10, 2012.



David Wuerch

This report is dedicated to the memory of Brent Christian. Brent was a professional geologist who worked in the Groundwater Resources Division of the Texas Water Development Board (TWDB). He was instrumental in compiling and analyzing the bulk of the aquifer tests contained in this report. Brent passed away unexpectedly in 2007, prior to the completion of this report. His dedicated work on groundwater issues while at the TWDB was greatly appreciated.

Cover photo courtesy of Bryan Anderson

Texas Water Development Board

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1.0 Introduction

The mission of the Texas Water Development Board's (TWDB) Groundwater Resources Division is to collect, interpret, and provide accurate, objective information on the groundwater resources of Texas. In support of this mission, the TWDB has undertaken a long-term process of mapping and characterizing the aquifers of Texas.

In order to better understand and predict water levels and quantity, TWDB staff are evaluating the results from over 2,200 aquifer tests contained in the TWDB groundwater database. The first installment of results was published in the TWDB Report 98 (R-98) "Compilation of Results of Aquifer Tests in Texas" published in July 1969. This report is intended to be the second installment. Results from 198 additional aquifer tests have been compiled from wells located in 71 counties throughout the state (Figure 1).

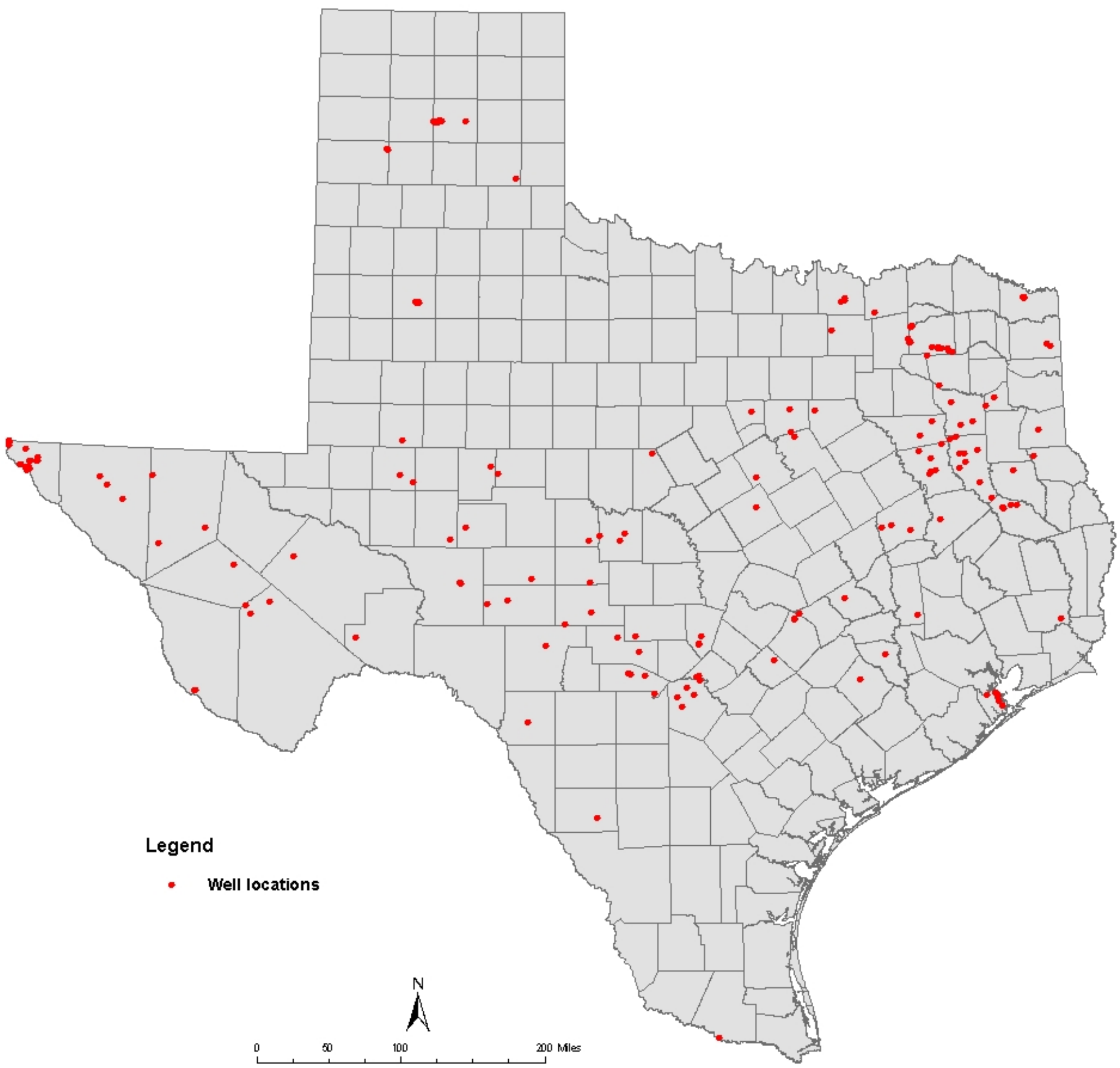

Figure 1. Well location map.

All test results, and in most circumstances, the raw data are available online individually by state well number through the TWDB's Water Information, Integration, and Dissemination Web page under the "Groundwater Database" application.

Aquifer test data are important in determining the performance characteristics of the well along with the hydraulic properties of the aquifer. Hydraulic properties determined by aquifer tests are subsequently used in the development of Groundwater Availability Models (GAMs) and in other regional aquifer studies.

Aquifer test data contained in this report were gathered by the TWDB, the U.S. Geological Survey, individuals, and companies. Submittal of these data to the TWDB is greatly appreciated. The authors have reviewed the data and evaluated the tests using the computer program Aquifer Win32® available from Environmental Simulations, Inc. The program offers multiple solutions for the tests depending on aquifer and well characteristics. As with all evaluations, the authors have the leniency of some interpretation such as negating points when a check valve fails or when storage is the primary recipient of recovery.

2.0 Hydraulic Properties of an Aquifer

The flow of groundwater to a well is based on the ability of the aquifer to transmit and store water. Also, well construction can influence well production and can introduce a human factor to an aquifer test and its results. Transmissivity and storativity are two important aquifer properties determined from aquifer tests. Transmissivity (T) is defined as the rate at which water is transmitted under a unit width of an aquifer under a unit hydraulic gradient. Storativity (S) is defined as the volume of water an aquifer releases from or takes into storage per unit surface area of the aquifer per unit change in head.

Hydraulic conductivity is another important aquifer property determined from aquifer tests. Hydraulic conductivity (K) is a coefficient of proportionality describing the rate at which water can move through a permeable medium. It is dependent on a variety of physical properties, including porosity, particle size and distribution, and other factors. Hydraulic conductivity values are calculated using the following equation:

$$K=T/b$$

where K=hydraulic conductivity (volume/time/length squared)
T=transmissivity (volume/time/length)
b=saturated thickness of the aquifer (length)

3.0 Description of Aquifer Tests

The types of aquifer tests used for this report included both single-well and multiple-well aquifer tests. The single-well aquifer tests consist of pumping a well at a constant rate and measuring at specific times the drop in water level (drawdown) in the pumping well. The multiple-well aquifer tests incorporate the use of one or more observation wells located near the pumping well. These tests enable time and drawdown measurements to be recorded for both the pumping and observation wells. Additionally, measurements of the rise in water levels (recovery) at specific times, after the pump is turned off, provide important information. These measurements can be used to verify the aquifer properties determined from the pumping phase of the aquifer test.

4.0 Methods of Analyzing Aquifer Tests

The formulas used to analyze the data presented in this report are the Theis non-equilibrium formula, the Cooper-Jacob modified non-equilibrium formula, the Theis recovery formula, the Hantush method, and the Neuman non-equilibrium formula. It is beyond the scope of this report to show the derivations of these formulas; the reader is referred to the following publications for their development and application: Cooper and Jacob (1946), Ferris and others (1962), Hantush (1960), Neuman (1972), Jacob (1950), Theis (1935), Thiem (1906), and Wenzel (1942).

Staff used the software program Aquifer Win32® for analysis of test data by a number of different methods. The time, drawdown, pumping rate, and well configuration are input into the program, which allows for the analysis of the test with various solutions utilizing the same data sets for the individual wells. The primary parameters include screen length, depth to screen top, aquifer thickness, and vertical to horizontal anisotropy ratios. In the case of observation well solutions, data inputs include depth to screen top and screen length.

The above-referenced solutions (methods) use one of the two basic types of operations: type curve matching or straight line solutions. The program allows well response curves plotted on log-log paper to be matched either manually or through automation. The program differs from most test software by displaying multiple type curves for manual or automated comparisons to the tested well's response.

Staff used the Aquifer Win32® software program to calculate transmissivity values for all of the aquifer tests compiled. Storativity values could only be calculated for aquifer tests which incorporated data from one or more observation wells.

5.0 Explanation of Data on Graphs

Graphs of the results from 198 aquifer tests have been compiled for this report (see Appendix). Graph titles include the county name, state well number, and analysis method. The graphs are sorted alphabetically by county followed by the state well number. Contained within each graph is a legend which presents additional information about the well and aquifer test.

The legend contains the latitude and longitude of the well in degrees, minutes, and seconds. The latitude and longitude of the tested wells are usually determined from placement on U.S. Geological Survey 7.5 and 15-minute topographic maps or more recently by using a global positioning device.

The graphs provide details on the data that were used to plot the graph (data used) and data collected during the test but ignored for the plot (data ignored). This information may include the following:

Recovery tests use the residual drawdown or the measurements of water levels after pumping is stopped. After a well is pumped for a known period of time and then shut down, the recovery of the drawdown should be identical to the discharge test. For this test residual drawdown is plotted versus the logarithm of time pumping (t) over recovery time (t').

6.0 Acknowledgments

We appreciate the efforts of David Thorkildsen, who did quality analysis/quality control of the various drafts of the report. We also thank Dr. Robert Mace for his support in ensuring the successful completion of this report.

7.0 References

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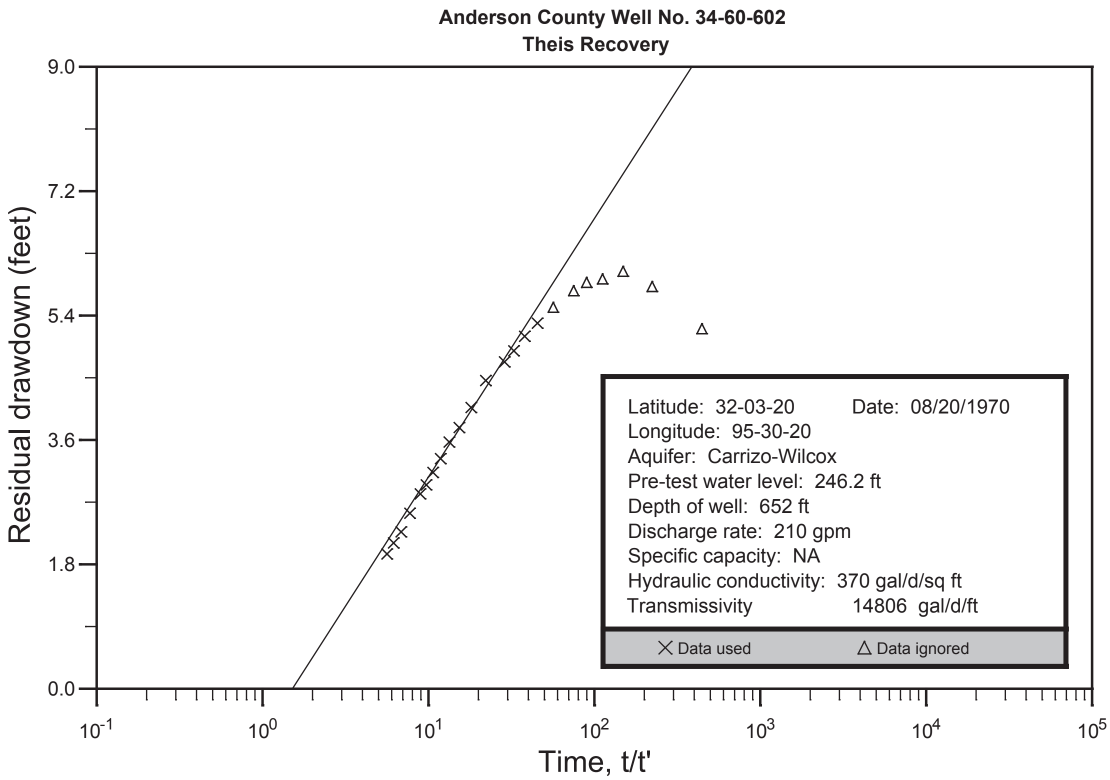
Appendices


Anderson County Well No. 34-60-602
Theis Recovery
Residual drawdown (feet)
Time, t/t'
9.0
7.2
5.4
3.6
1.8
0.0
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
Latitude: 32-03-20
Date: 08/20/1970
Longitude: 95-30-20
Aquifer: Carrizo-Wilcox
Pre-test water level: 246.2 ft
Depth of well: 652 ft
Discharge rate: 210 gpm
Specific capacity: NA
Hydraulic conductivity: 370 gal/d/sq ft
Transmissivity 14806 gal/d/ft
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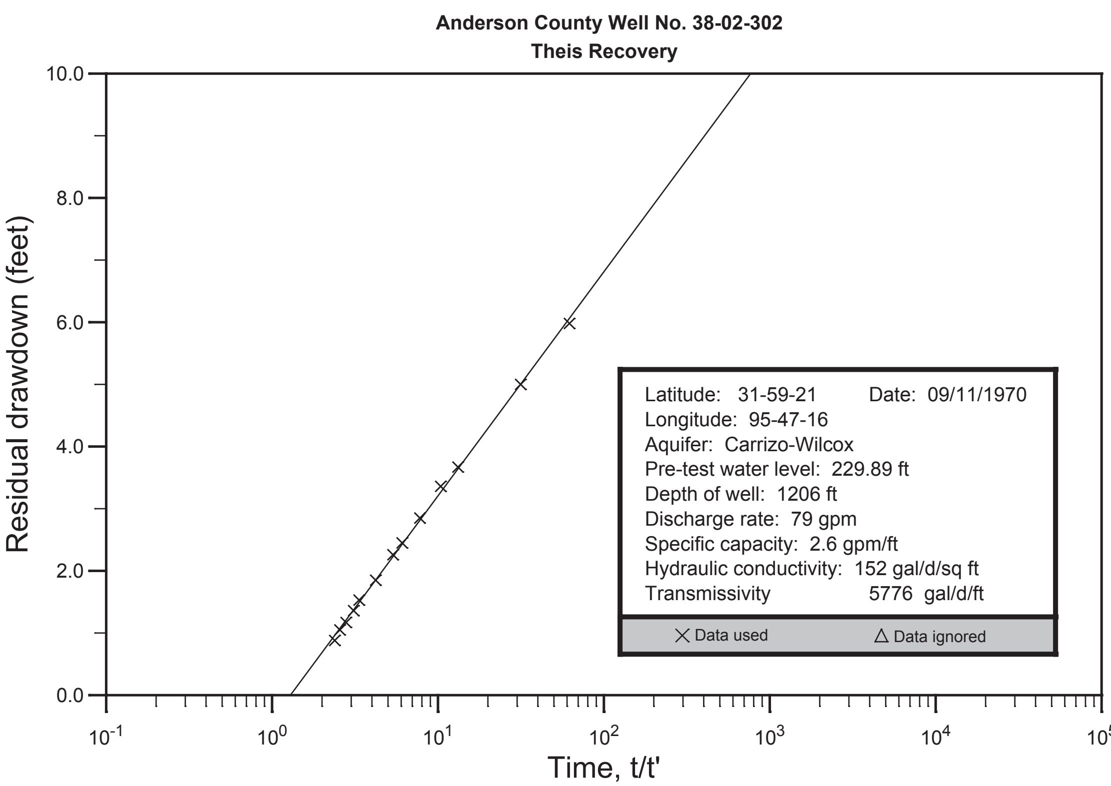
Anderson County Well No. 38-02-302
Theis Recovery
Residual drawdown (feet)
Time, t/t'
10.0
8.0
6.0
4.0
2.0
0.0
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
Latitude: 31-59-21
Date: 09/11/1970
Longitude: 95-47-16
Aquifer: Carrizo-Wilcox
Pre-test water level: 229.89 ft
Depth of well: 1206 ft
Discharge rate: 79 gpm
Specific capacity: 2.6 gpm/ft
Hydraulic conductivity: 152 gal/d/sq ft
Transmissivity 5776 gal/d/ft
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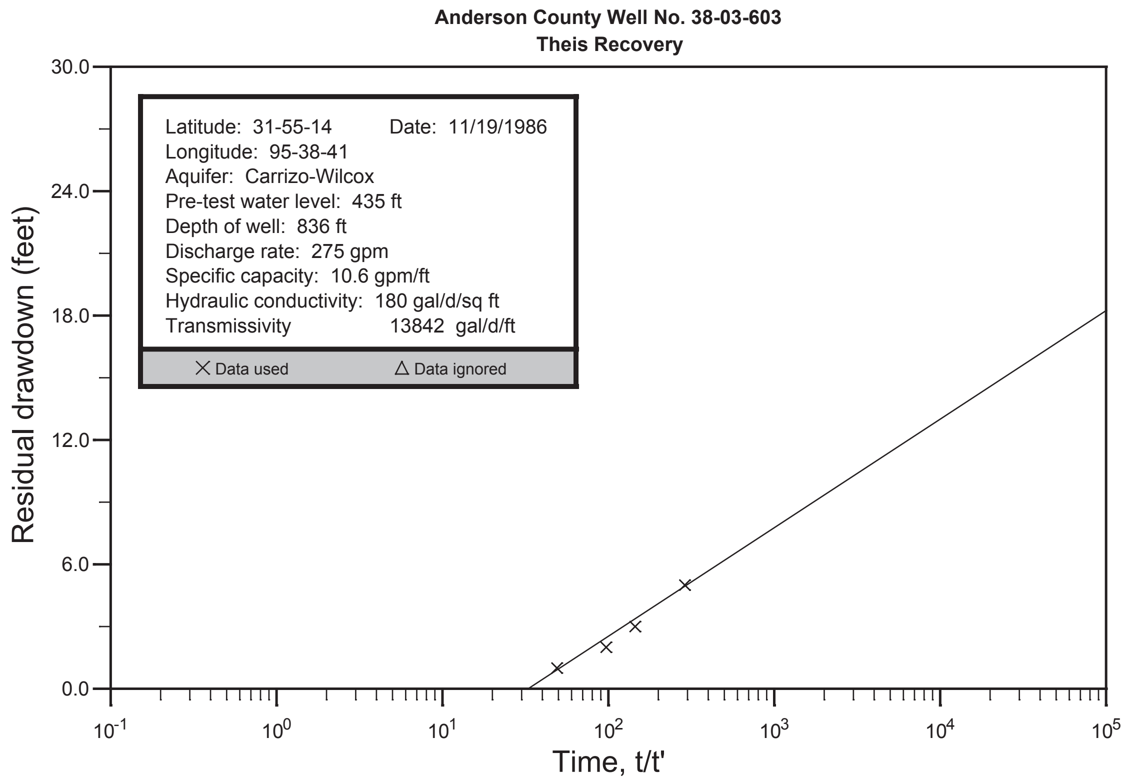
Anderson County Well No. 38-03-603
Theis Recovery
Latitude: 31-55-14
Date: 11/19/1986
Longitude: 95-38-41
Aquifer: Carrizo-Wilcox
Pre-test water level: 435 ft
Depth of well: 836 ft
Discharge rate: 275 gpm
Specific capacity: 10.6 gpm/ft
Hydraulic conductivity: 180 gal/d/sq ft
Transmissivity 13842 gal/d/ft
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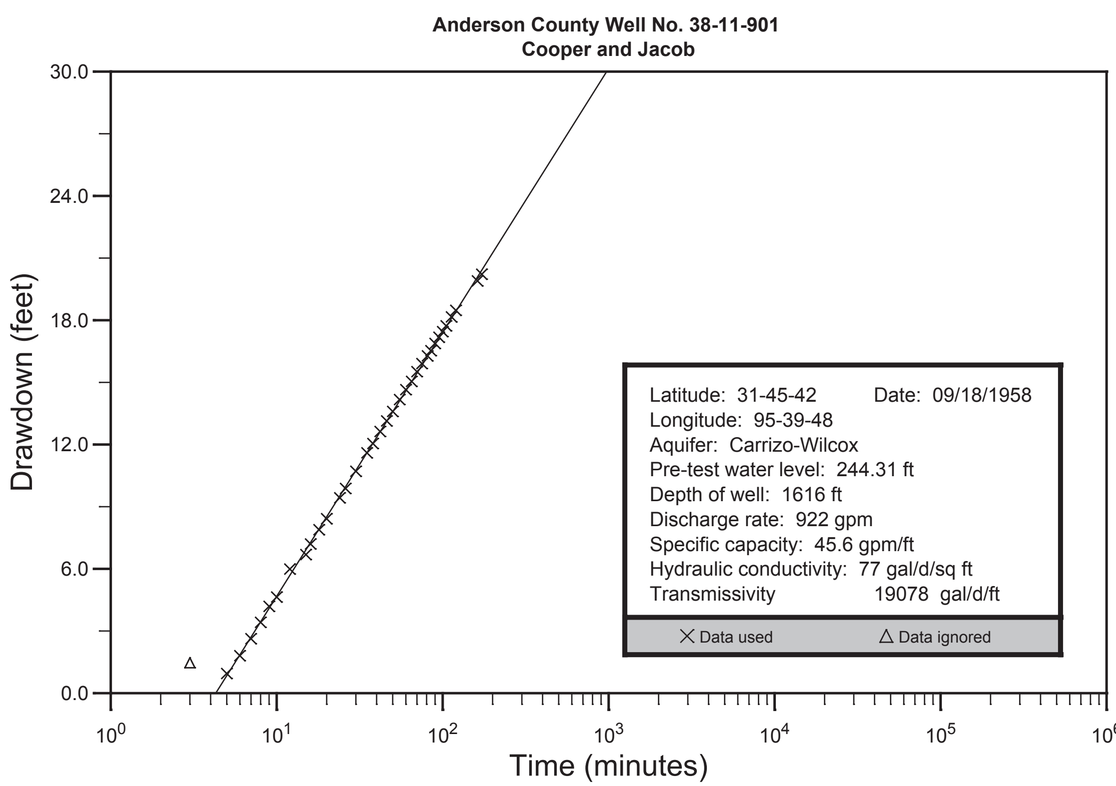
Residual drawdown (feet)
Time, t/t'


Anderson County Well No. 38-11-901
Cooper and Jacob
Latitude: 31-45-42
Date: 09/18/1958
Longitude: 95-39-48
Aquifer: Carrizo-Wilcox
Pre-test water level: 244.31 ft
Depth of well: 1616 ft
Discharge rate: 922 gpm
Specific capacity: 45.6 gpm/ft
Hydraulic conductivity: 77 gal/d/sq ft
Transmissivity 19078 gal/d/ft
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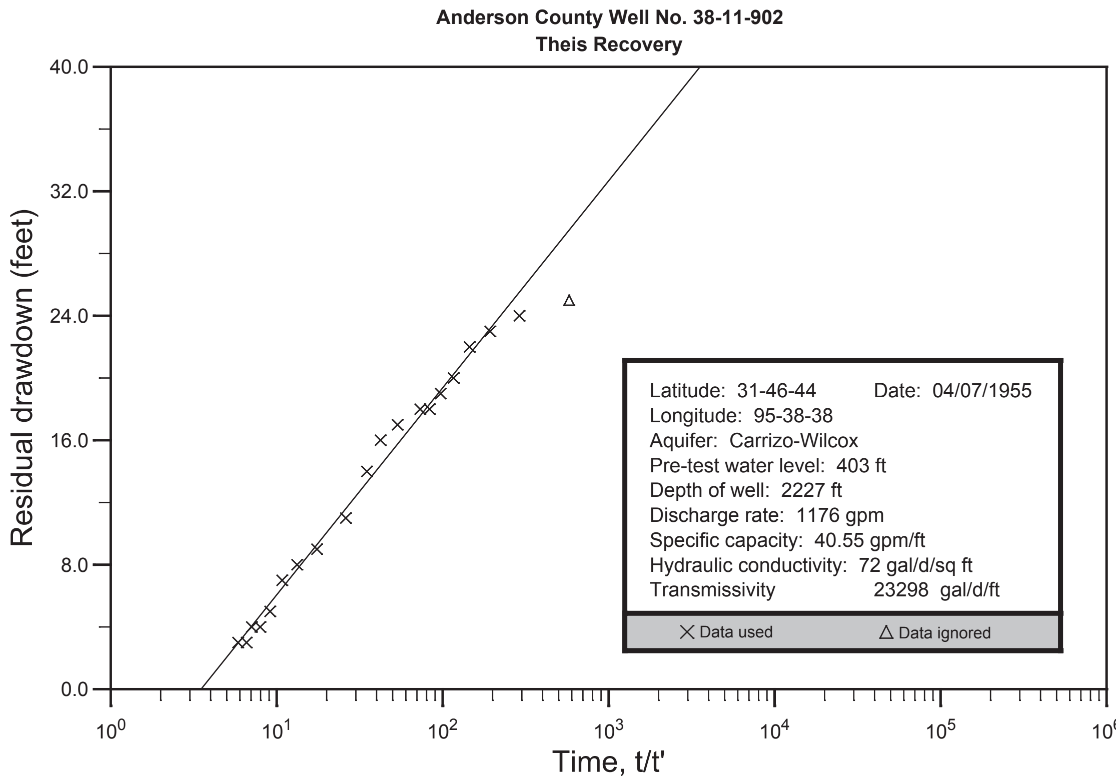
Drawdown (feet)
Time (minutes)



Anderson County Well No. 38-11-902
Theis Recovery
Residual drawdown (feet)
Time, t/t'
40.0
32.0
24.0
16.0
8.0
0.0
10^0
10^1
10^2
10^3
10^4
10^5
10^6
Latitude: 31-46-44
Date: 04/07/1955
Longitude: 95-38-38
Aquifer: Carrizo-Wilcox
Pre-test water level: 403 ft
Depth of well: 2227 ft
Discharge rate: 1176 gpm
Specific capacity: 40.55 gpm/ft
Hydraulic conductivity: 72 gal/d/sq ft
Transmissivity 23298 gal/d/ft
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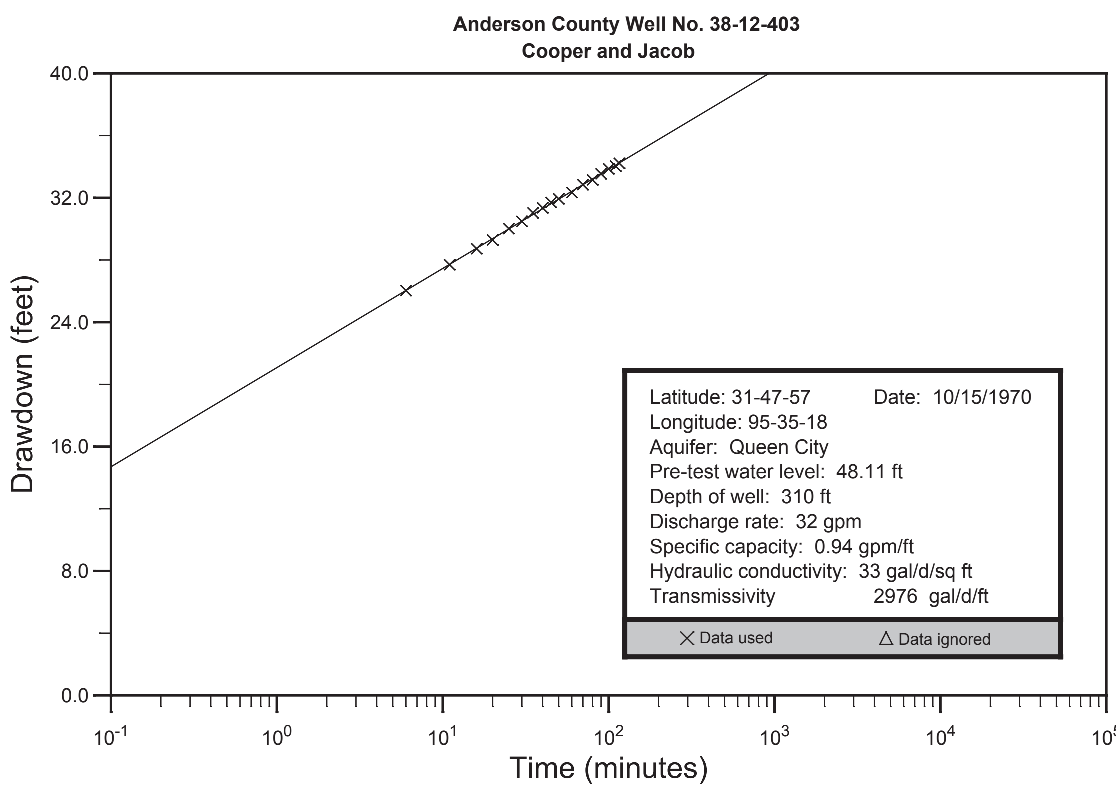

Anderson County Well No. 38-12-403
Cooper and Jacob
Drawdown (feet)
Time (minutes)
40.0
32.0
24.0
16.0
8.0
0.0
10^-1
10^0
10^1
10^2
10^3
10^4
10^5
Latitude: 31-47-57
Date: 10/15/1970
Longitude: 95-35-18
Aquifer: Queen City
Pre-test water level: 48.11 ft
Depth of well: 310 ft
Discharge rate: 32 gpm
Specific capacity: 0.94 gpm/ft
Hydraulic conductivity: 33 gal/d/sq ft
Transmissivity 2976 gal/d/ft
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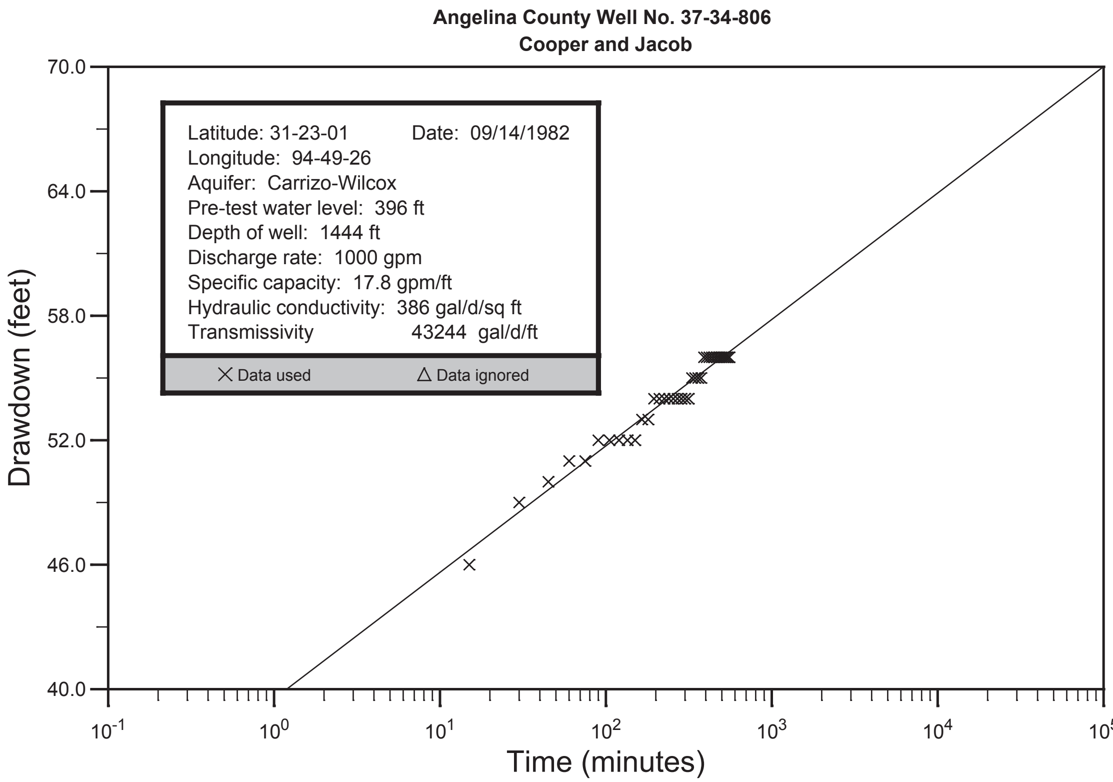
Angelina County Well No. 37-34-806
Cooper and Jacob
Latitude: 31-23-01
Date: 09/14/1982
Longitude: 94-49-26
Aquifer: Carrizo-Wilcox
Pre-test water level: 396 ft
Depth of well: 1444 ft
Discharge rate: 1000 gpm
Specific capacity: 17.8 gpm/ft
Hydraulic conductivity: 386 gal/d/sq ft
Transmissivity 43244 gal/d/ft
Data used
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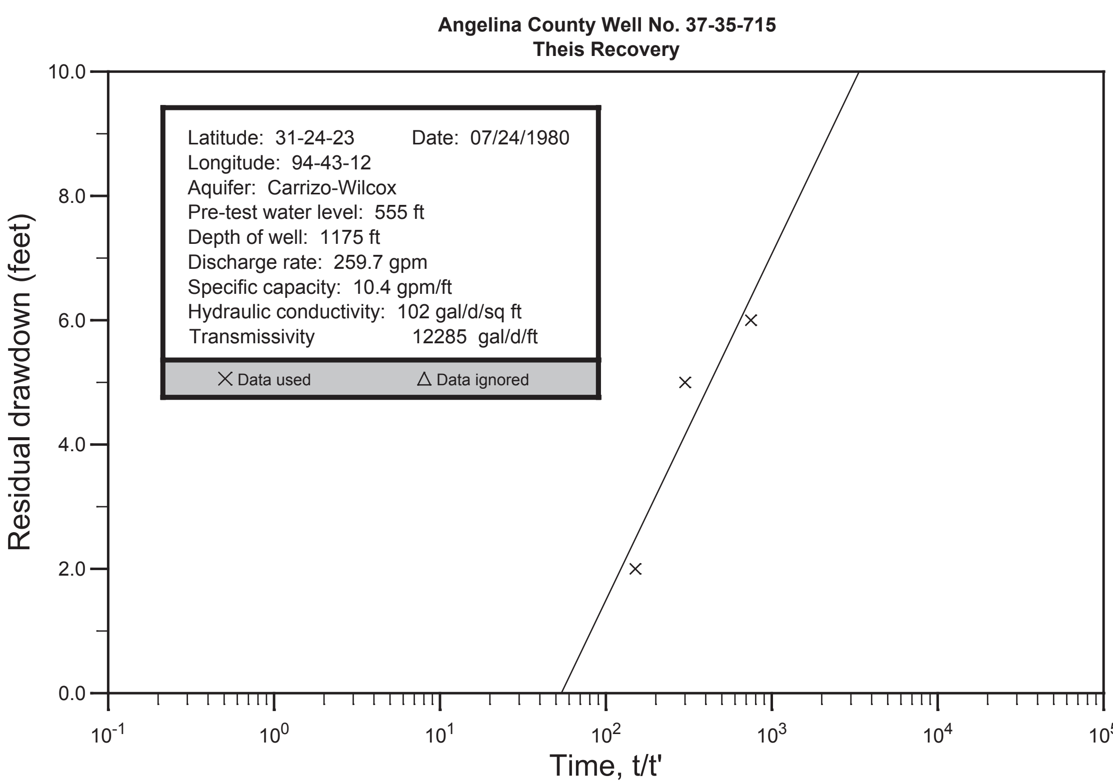
Drawdown (feet)
70.0
64.0
58.0
52.0
46.0
40.0
Time (minutes)
10-1
100
101
102
103
104
105


Angelina County Well No. 37-35-715
Theis Recovery
Latitude: 31-24-23
Date: 07/24/1980
Longitude: 94-43-12
Aquifer: Carrizo-Wilcox
Pre-test water level: 555 ft
Depth of well: 1175 ft
Discharge rate: 259.7 gpm
Specific capacity: 10.4 gpm/ft
Hydraulic conductivity: 102 gal/d/sq ft
Transmissivity 12285 gal/d/ft
Data used
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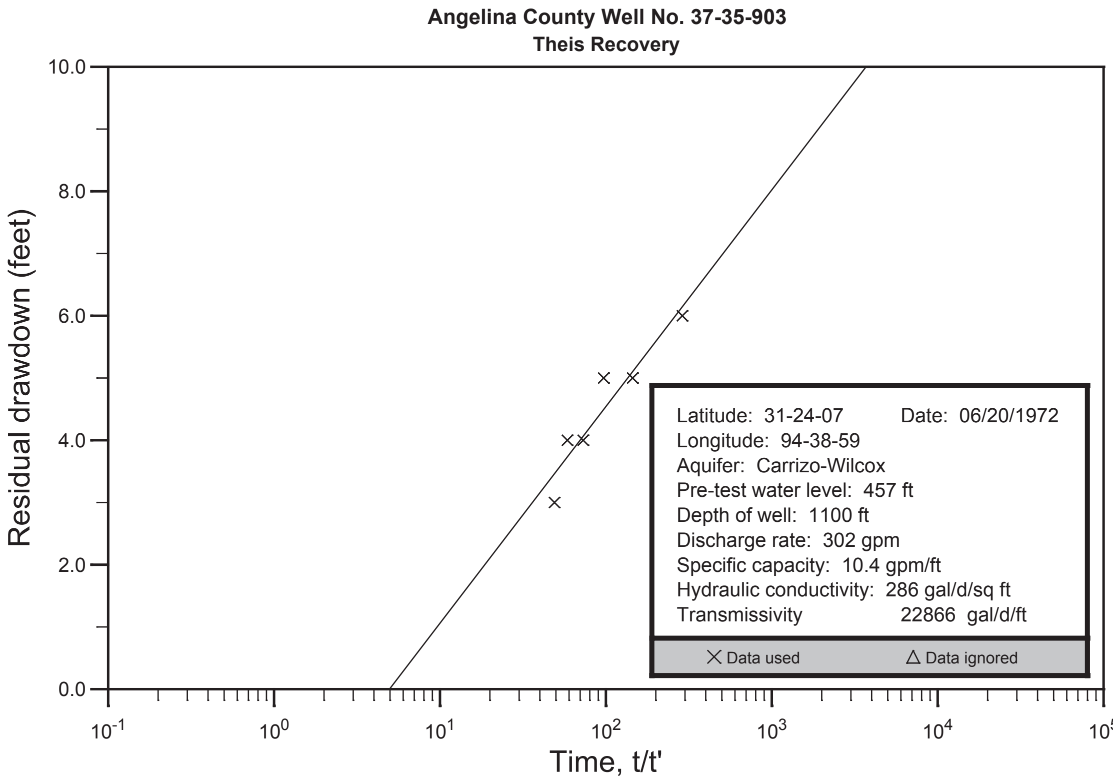
Residual drawdown (feet)
10.0
8.0
6.0
4.0
2.0
0.0
Time, t/t'
10-1
100
101
102
103
104
105


Angelina County Well No. 37-35-903
Theis Recovery
Residual drawdown (feet)
Time, t/t'
Latitude: 31-24-07
Date: 06/20/1972
Longitude: 94-38-59
Aquifer: Carrizo-Wilcox
Pre-test water level: 457 ft
Depth of well: 1100 ft
Discharge rate: 302 gpm
Specific capacity: 10.4 gpm/ft
Hydraulic conductivity: 286 gal/d/sq ft
Transmissivity 22866 gal/d/ft
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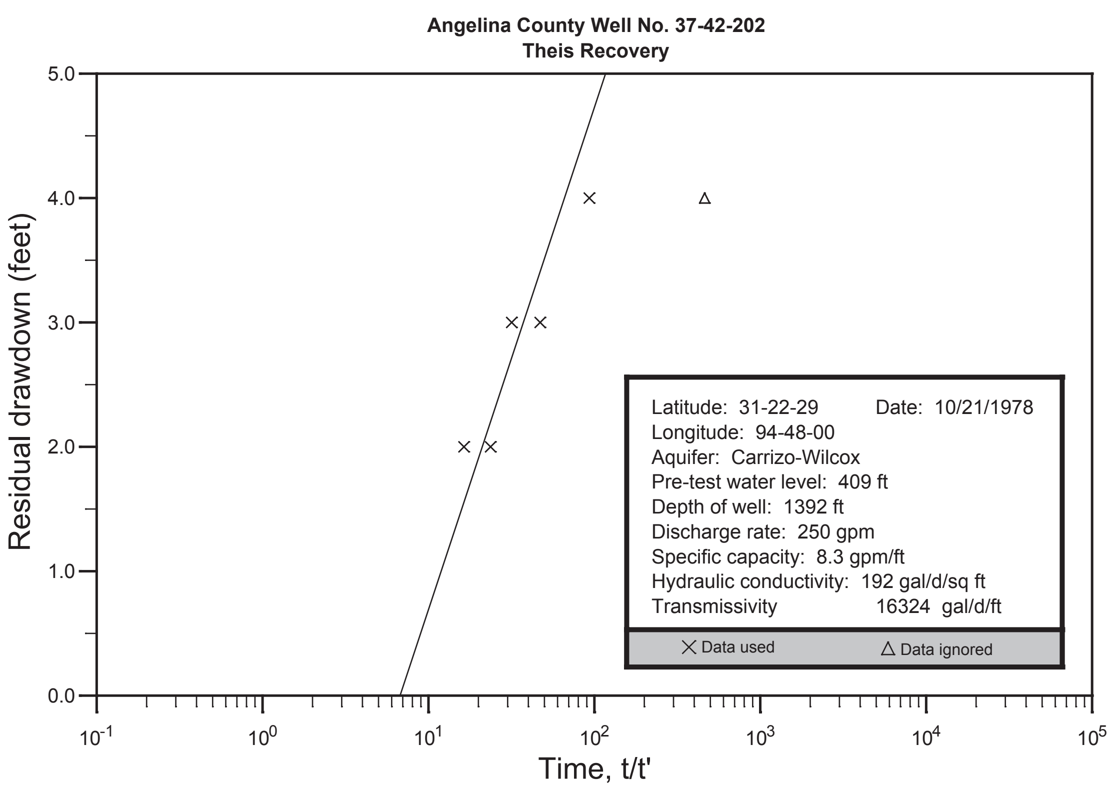
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Theis Recovery
Residual drawdown (feet)
Time, t/t'
Latitude: 31-22-29
Date: 10/21/1978
Longitude: 94-48-00
Aquifer: Carrizo-Wilcox
Pre-test water level: 409 ft
Depth of well: 1392 ft
Discharge rate: 250 gpm
Specific capacity: 8.3 gpm/ft
Hydraulic conductivity: 192 gal/d/sq ft
Transmissivity 16324 gal/d/ft
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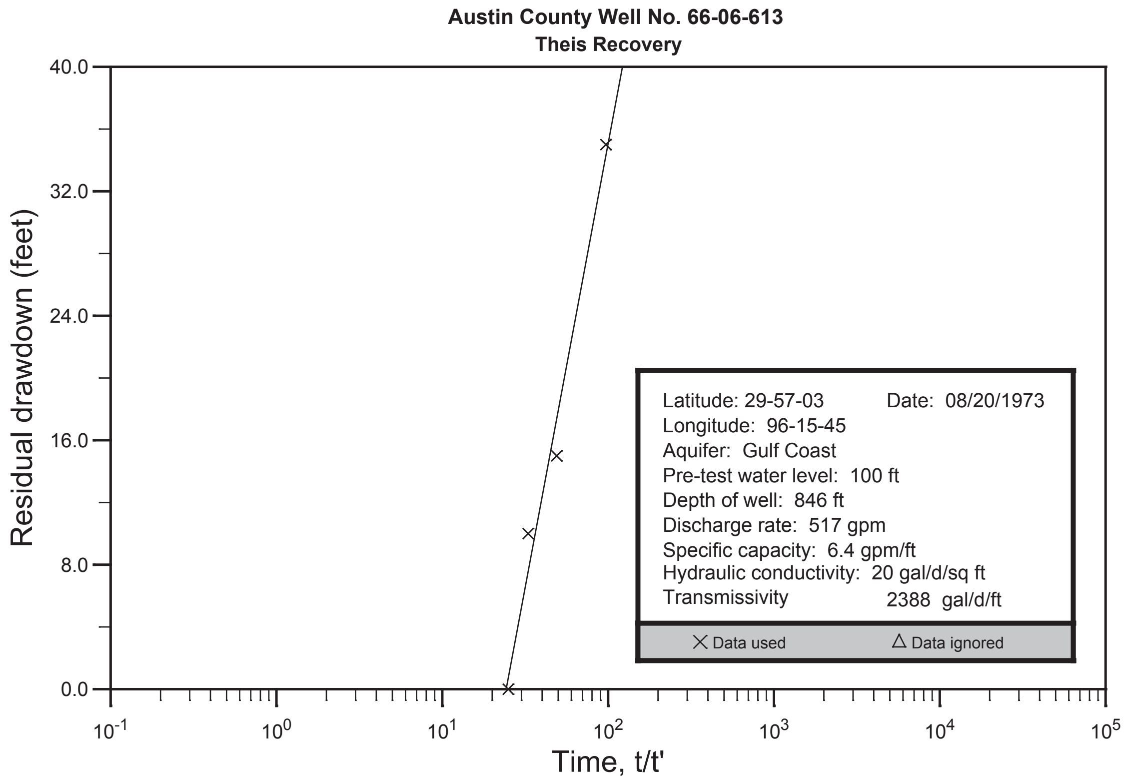
Austin County Well No. 66-06-613
Theis Recovery
Residual drawdown (feet)
Time, t/t'
Latitude: 29-57-03
Date: 08/20/1973
Longitude: 96-15-45
Aquifer: Gulf Coast
Pre-test water level: 100 ft
Depth of well: 846 ft
Discharge rate: 517 gpm
Specific capacity: 6.4 gpm/ft
Hydraulic conductivity: 20 gal/d/sq ft
Transmissivity 2388 gal/d/ft
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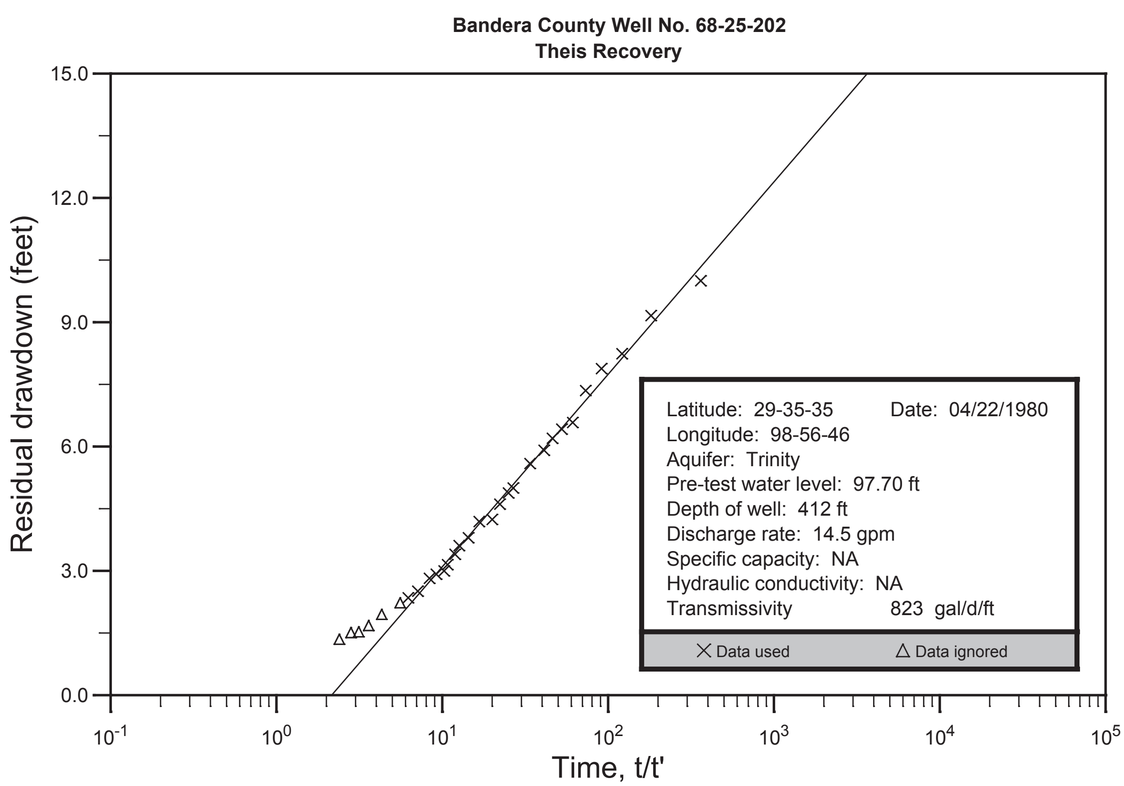
Bandera County Well No. 68-25-202
Theis Recovery
Residual drawdown (feet)
Time, t/t'
Latitude: 29-35-35
Date: 04/22/1980
Longitude: 98-56-46
Aquifer: Trinity
Pre-test water level: 97.70 ft
Depth of well: 412 ft
Discharge rate: 14.5 gpm
Specific capacity: NA
Hydraulic conductivity: NA
Transmissivity 823 gal/d/ft
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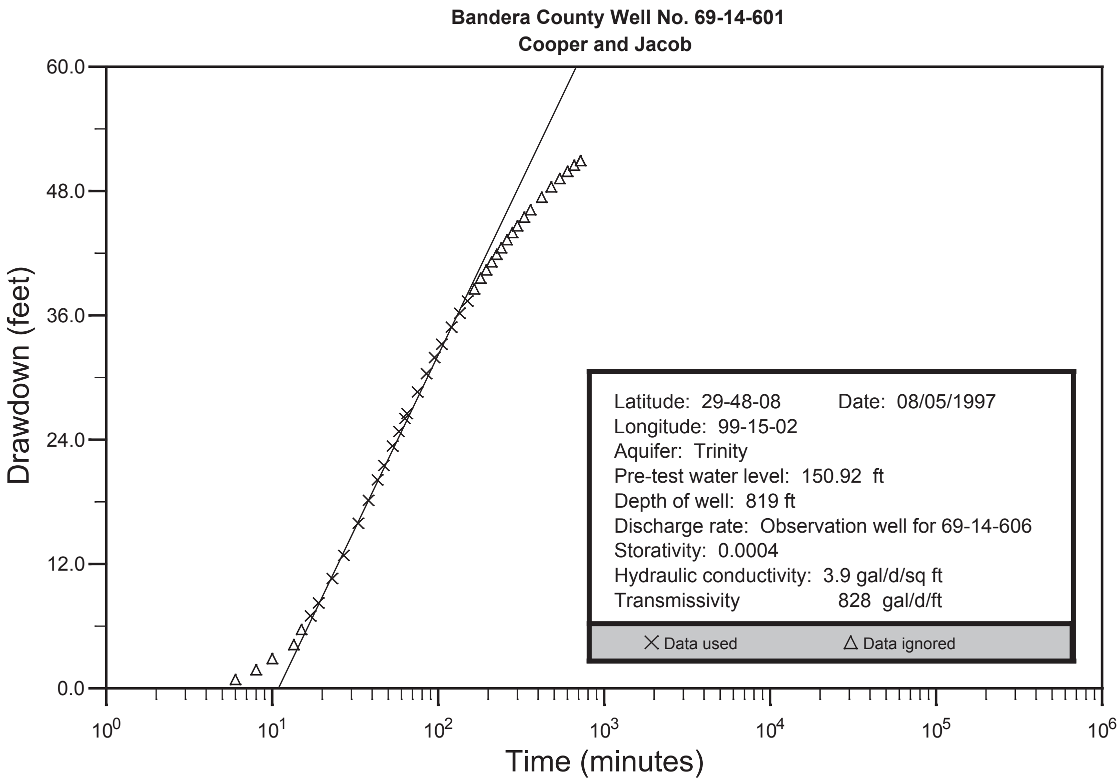
Bandera County Well No. 69-14-601
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 29-48-08
Date: 08/05/1997
Longitude: 99-15-02
Aquifer: Trinity
Pre-test water level: 150.92 ft
Depth of well: 819 ft
Discharge rate: Observation well for 69-14-606
Storativity: 0.0004
Hydraulic conductivity: 3.9 gal/d/sq ft
Transmissivity 828 gal/d/ft
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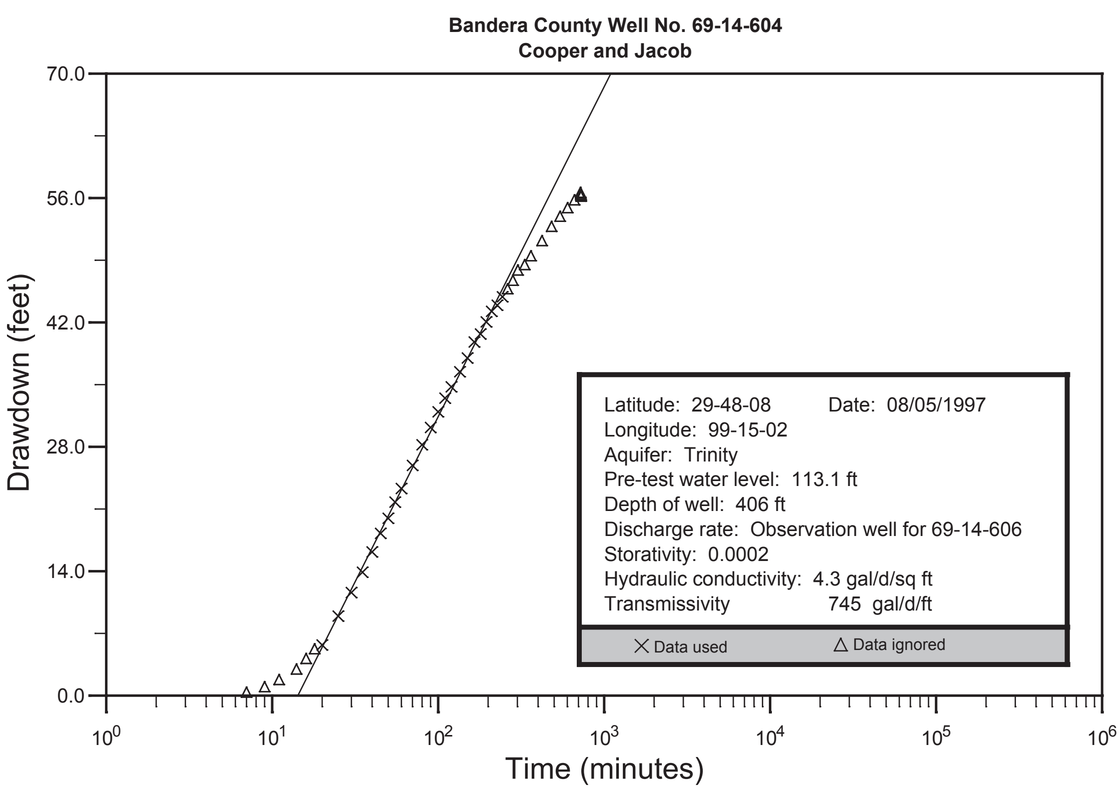
Bandera County Well No. 69-14-604
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 29-48-08
Date: 08/05/1997
Longitude: 99-15-02
Aquifer: Trinity
Pre-test water level: 113.1 ft
Depth of well: 406 ft
Discharge rate: Observation well for 69-14-606
Storativity: 0.0002
Hydraulic conductivity: 4.3 gal/d/sq ft
Transmissivity 745 gal/d/ft
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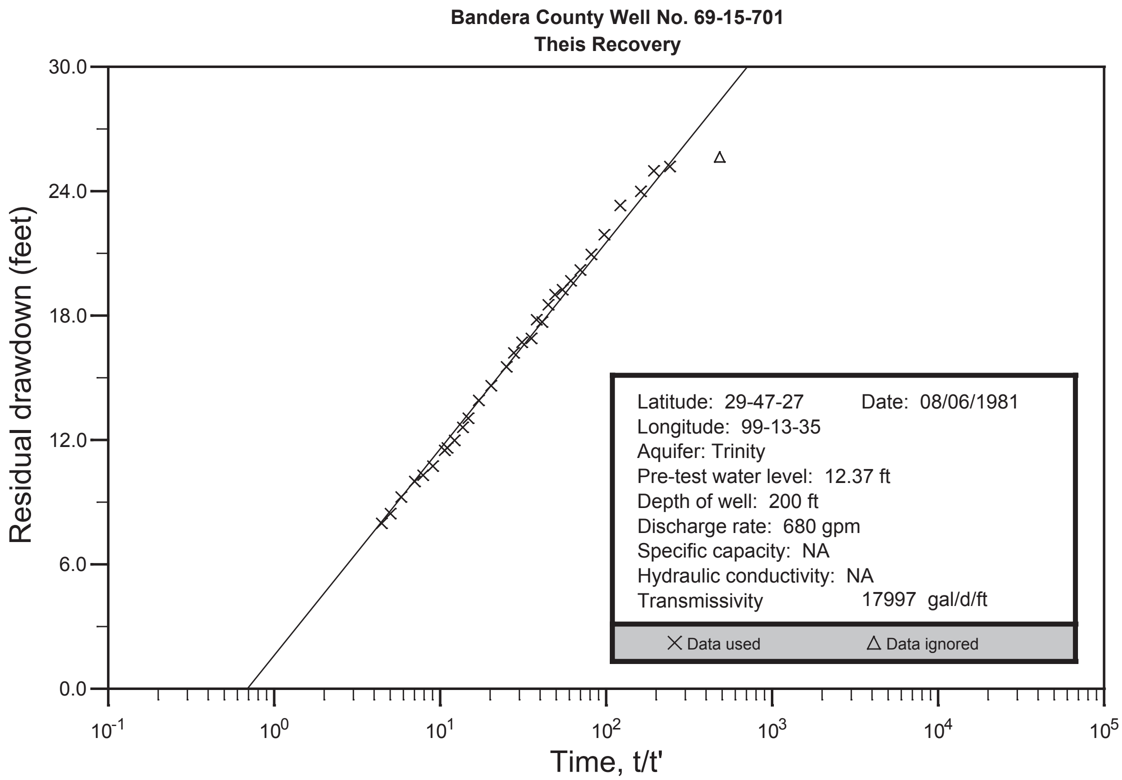
Bandera County Well No. 69-15-701
Theis Recovery
Residual drawdown (feet)
Time, t/t'
Latitude: 29-47-27
Date: 08/06/1981
Longitude: 99-13-35
Aquifer: Trinity
Pre-test water level: 12.37 ft
Depth of well: 200 ft
Discharge rate: 680 gpm
Specific capacity: NA
Hydraulic conductivity: NA
Transmissivity 17997 gal/d/ft
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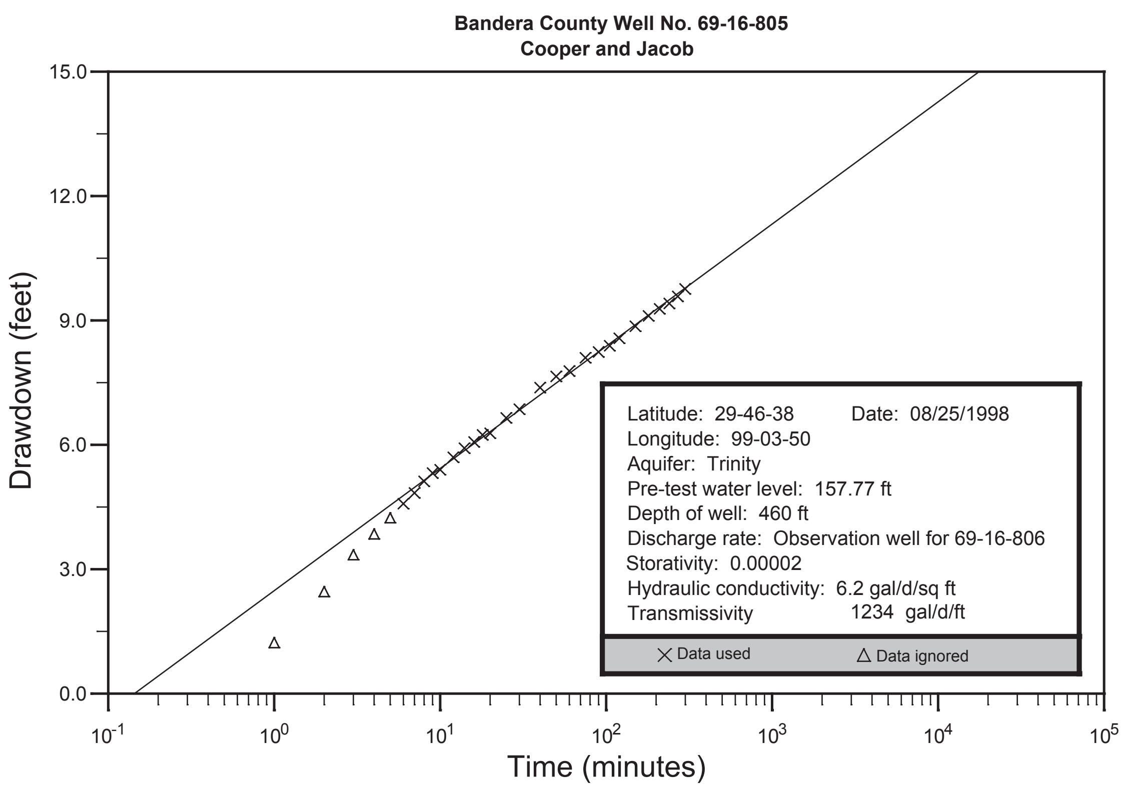
Bandera County Well No. 69-16-805
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 29-46-38
Date: 08/25/1998
Longitude: 99-03-50
Aquifer: Trinity
Pre-test water level: 157.77 ft
Depth of well: 460 ft
Discharge rate: Observation well for 69-16-806
Storativity: 0.00002
Hydraulic conductivity: 6.2 gal/d/sq ft
Transmissivity 1234 gal/d/ft
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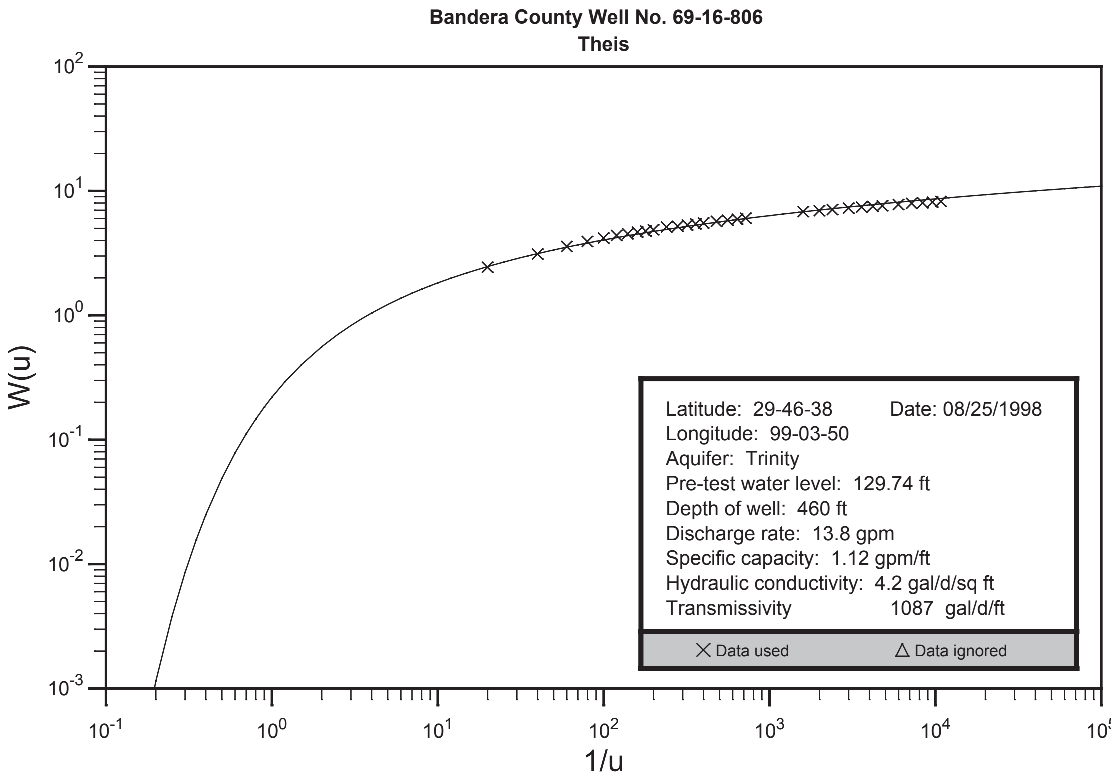
Bandera County Well No. 69-16-806
Theis
W(u)
1/u
Latitude: 29-46-38
Date: 08/25/1998
Longitude: 99-03-50
Aquifer: Trinity
Pre-test water level: 129.74 ft
Depth of well: 460 ft
Discharge rate: 13.8 gpm
Specific capacity: 1.12 gpm/ft
Hydraulic conductivity: 4.2 gal/d/sq ft
Transmissivity 1087 gal/d/ft
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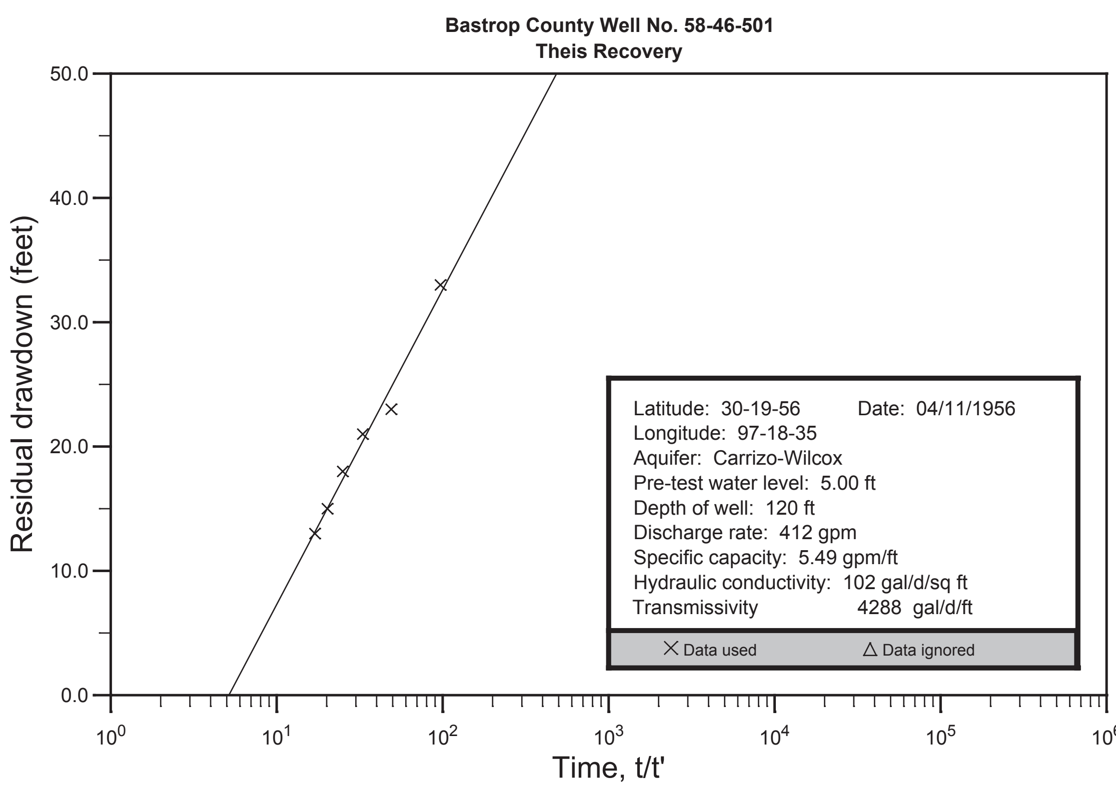
Bastrop County Well No. 58-46-501
Theis Recovery
Residual drawdown (feet)
Time, t/t'
Latitude: 30-19-56
Date: 04/11/1956
Longitude: 97-18-35
Aquifer: Carrizo-Wilcox
Pre-test water level: 5.00 ft
Depth of well: 120 ft
Discharge rate: 412 gpm
Specific capacity: 5.49 gpm/ft
Hydraulic conductivity: 102 gal/d/sq ft
Transmissivity 4288 gal/d/ft
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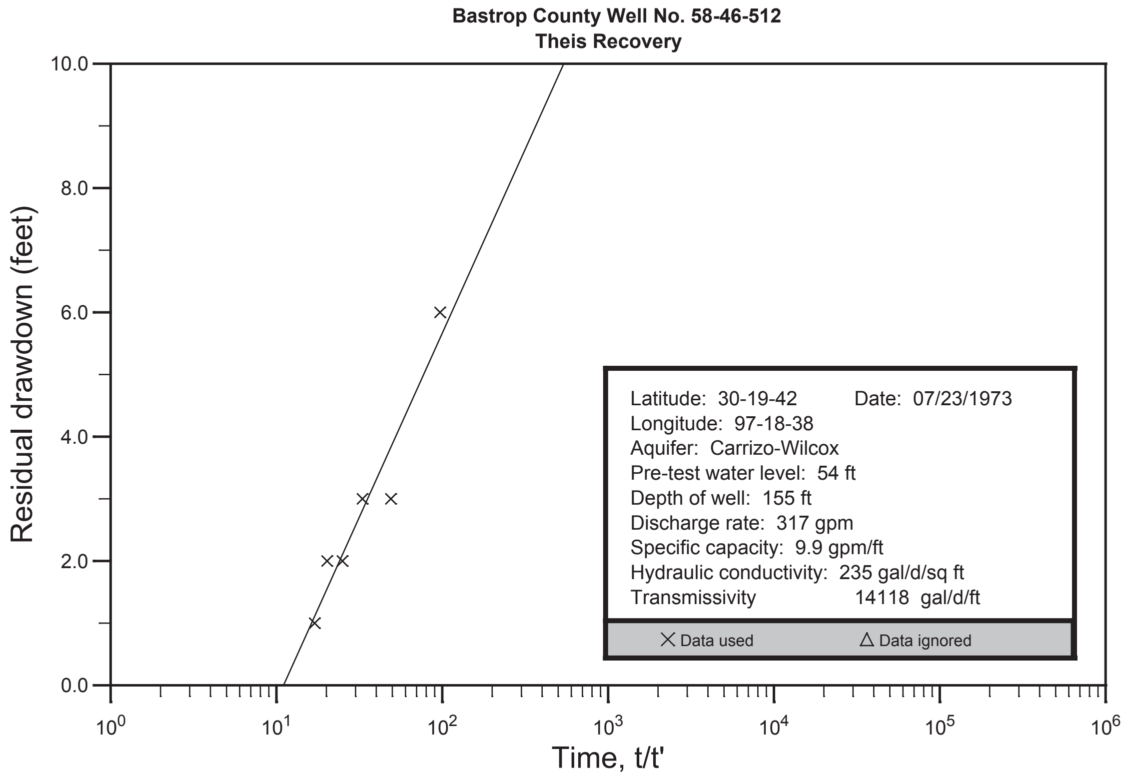
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Theis Recovery
Residual drawdown (feet)
Time, t/t'
Latitude: 30-19-42
Date: 07/23/1973
Longitude: 97-18-38
Aquifer: Carrizo-Wilcox
Pre-test water level: 54 ft
Depth of well: 155 ft
Discharge rate: 317 gpm
Specific capacity: 9.9 gpm/ft
Hydraulic conductivity: 235 gal/d/sq ft
Transmissivity 14118 gal/d/ft
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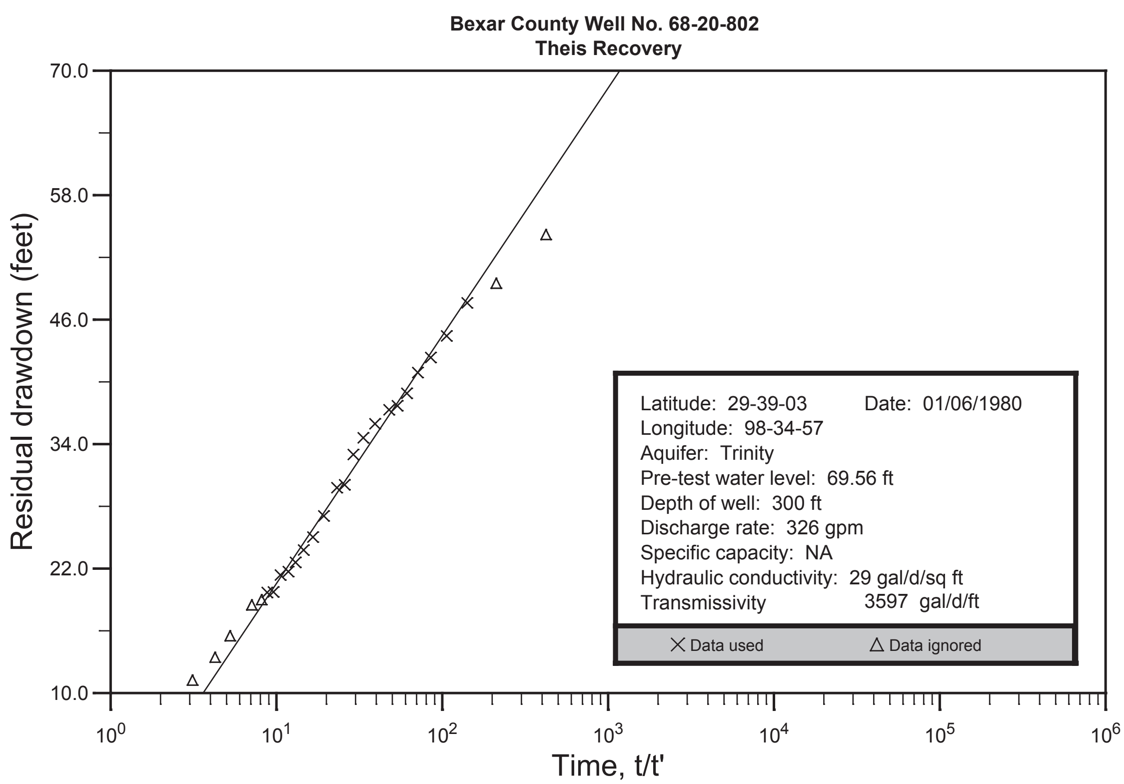
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Theis Recovery
Residual drawdown (feet)
Time, t/t'
Latitude: 29-39-03
Date: 01/06/1980
Longitude: 98-34-57
Aquifer: Trinity
Pre-test water level: 69.56 ft
Depth of well: 300 ft
Discharge rate: 326 gpm
Specific capacity: NA
Hydraulic conductivity: 29 gal/d/sq ft
Transmissivity 3597 gal/d/ft
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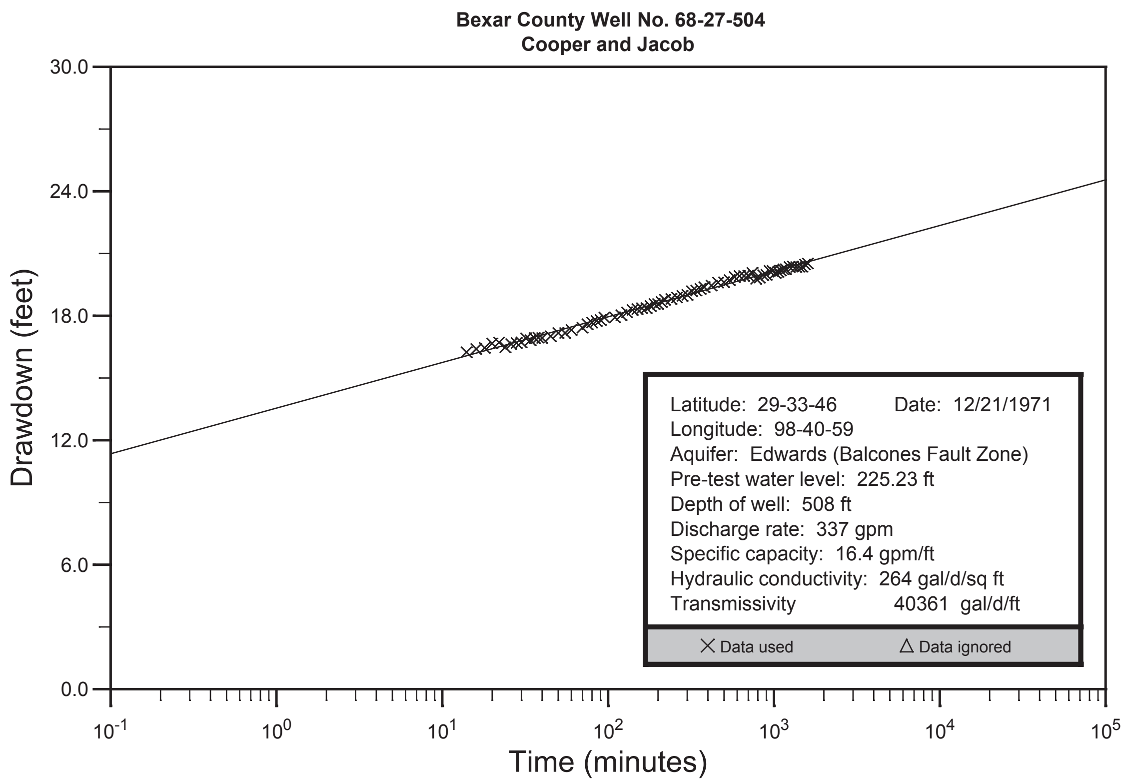
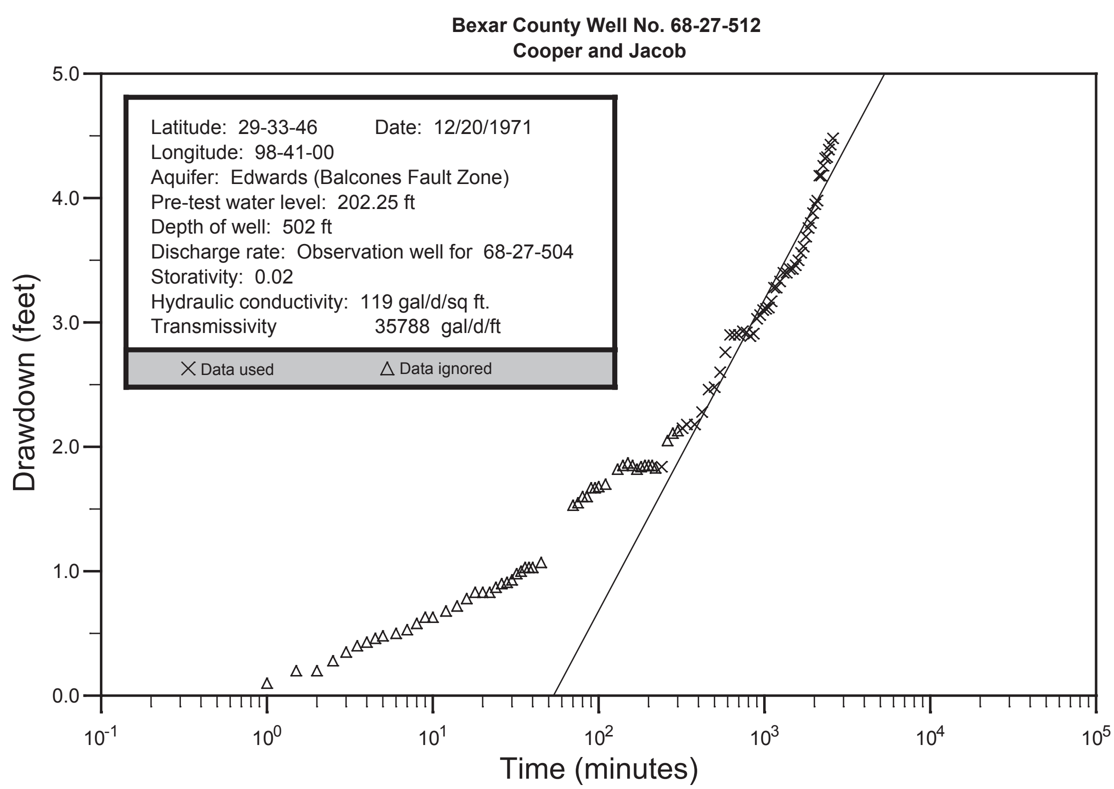
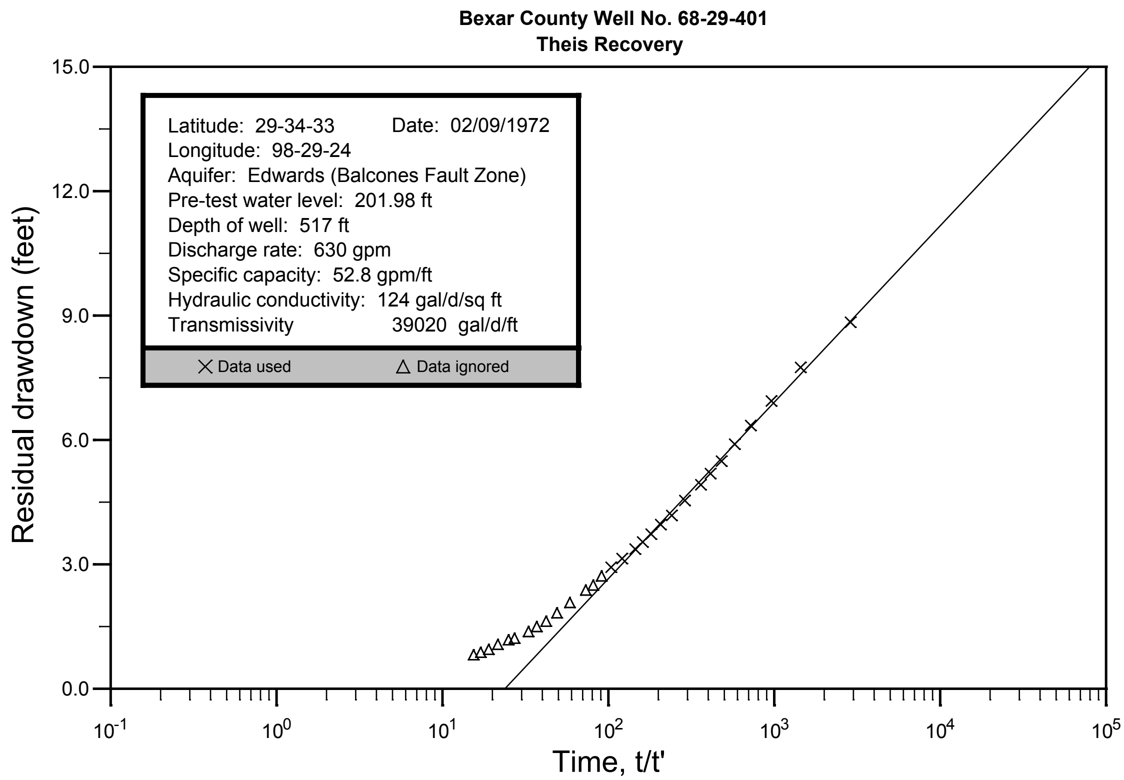
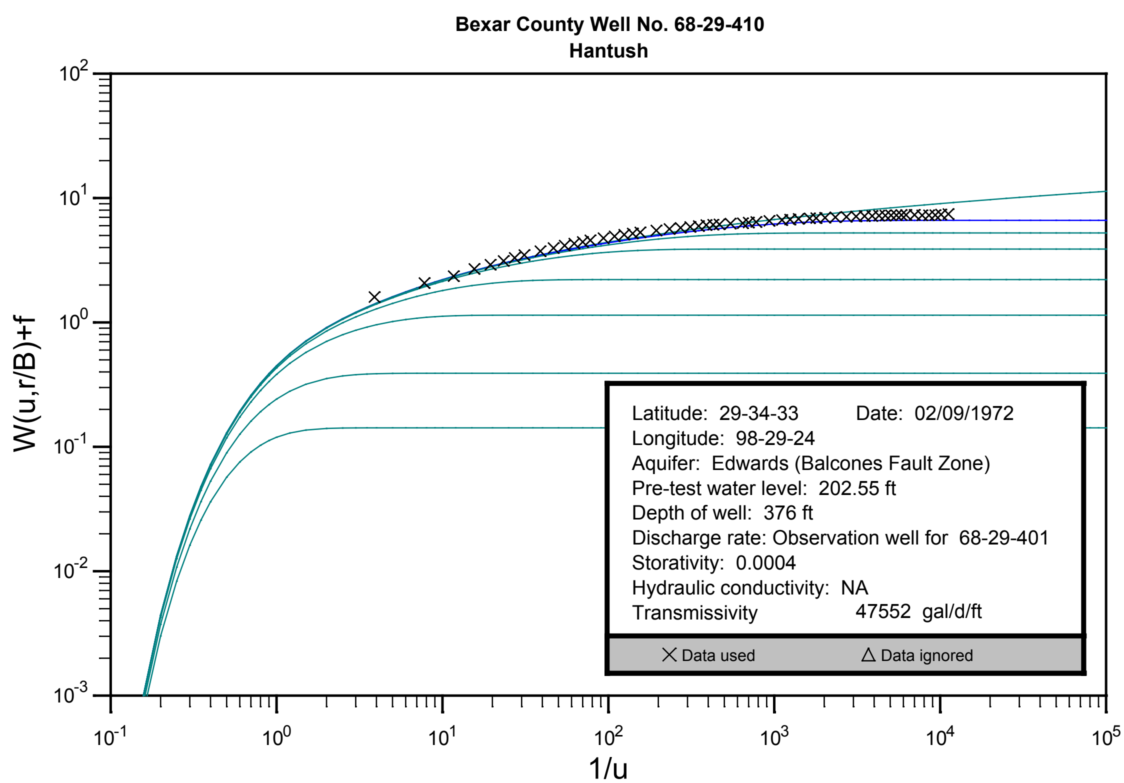
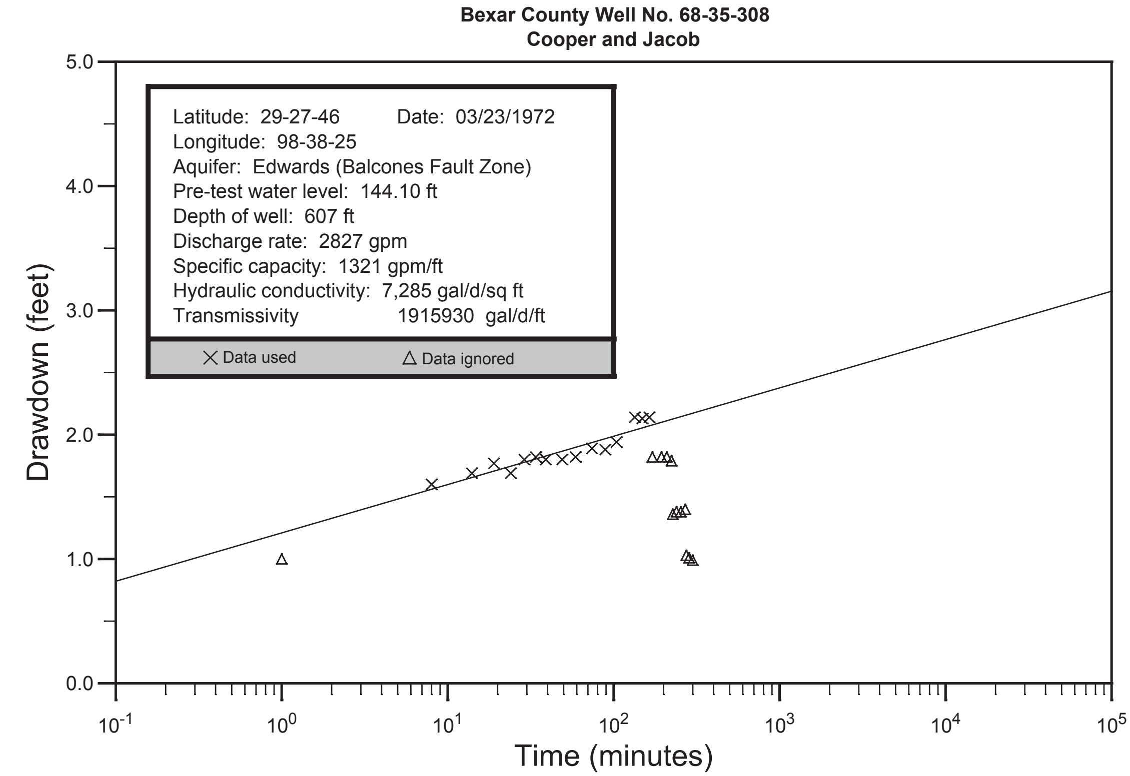
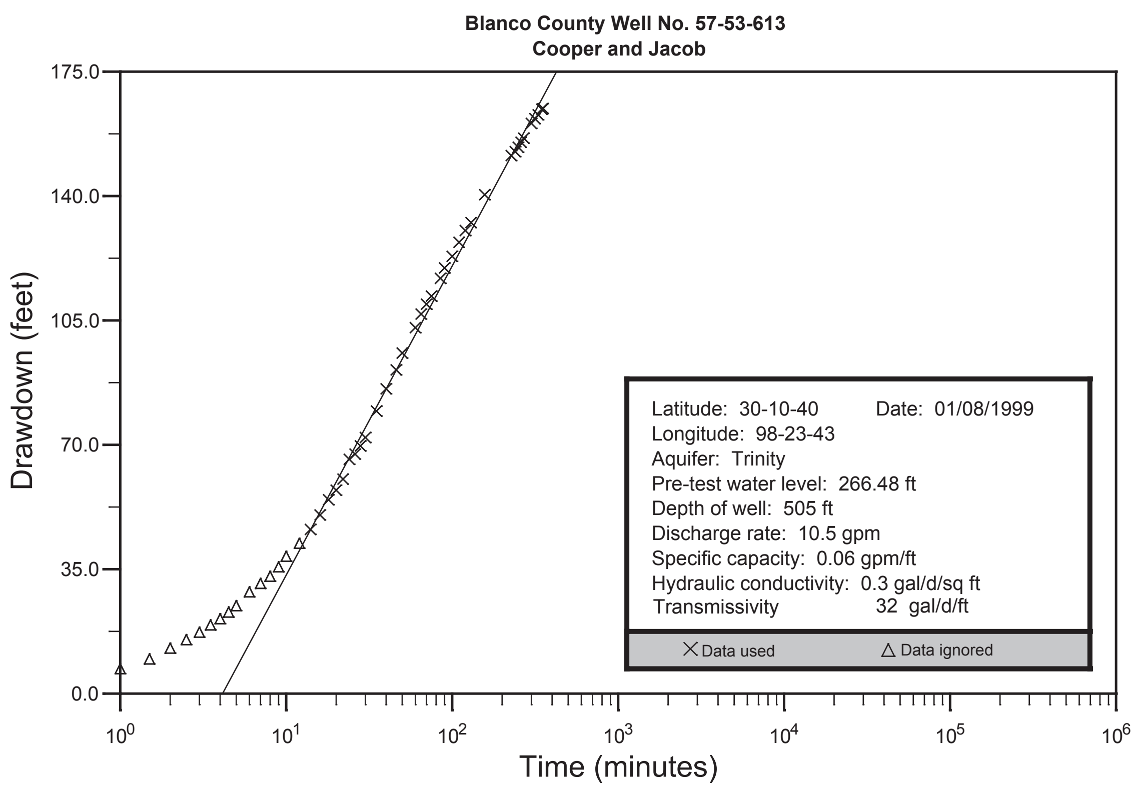

Bexar County Well No. 68-27-504
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 29-33-46
Date: 12/21/1971
Longitude: 98-40-59
Aquifer: Edwards (Balcones Fault Zone)
Pre-test water level: 225.23 ft
Depth of well: 508 ft
Discharge rate: 337 gpm
Specific capacity: 16.4 gpm/ft
Hydraulic conductivity: 264 gal/d/sq ft
Transmissivity 40361 gal/d/ft
Data used
Data ignored

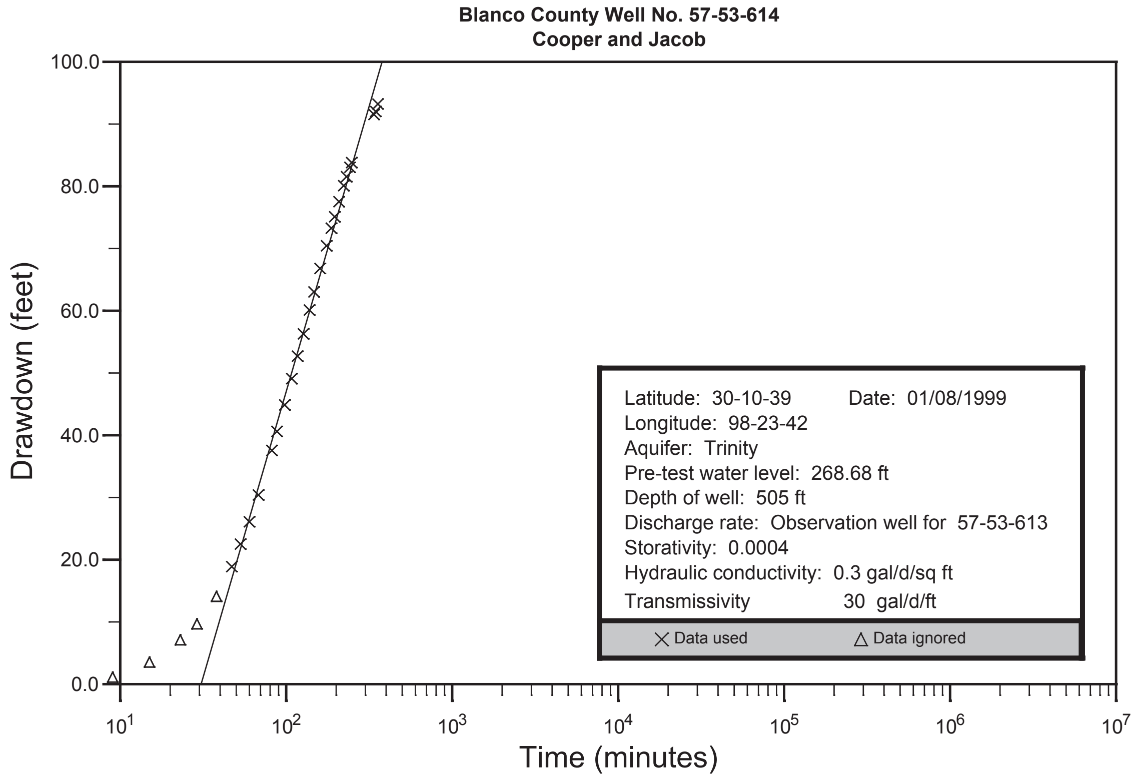

Bexar County Well No. 68-27-512
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 29-33-46
Date: 12/20/1971
Longitude: 98-41-00
Aquifer: Edwards (Balcones Fault Zone)
Pre-test water level: 202.25 ft
Depth of well: 502 ft
Discharge rate: Observation well for 68-27-504
Storativity: 0.02
Hydraulic conductivity: 119 gal/d/sq ft.
Transmissivity 35788 gal/d/ft
Data used
Data ignored

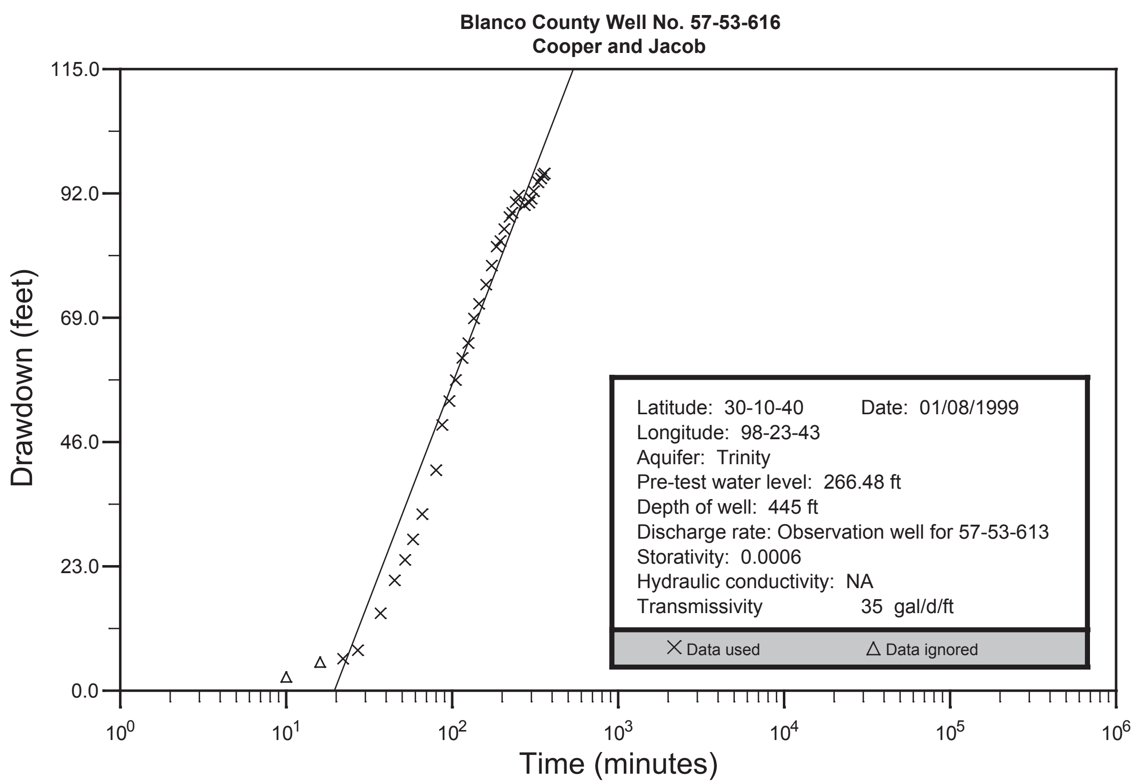

Bexar County Well No. 68-29-401
Theis Recovery
Latitude: 29-34-33
Date: 02/09/1972
Longitude: 98-29-24
Aquifer: Edwards (Balcones Fault Zone)
Pre-test water level: 201.98 ft
Depth of well: 517 ft
Discharge rate: 630 gpm
Specific capacity: 52.8 gpm/ft
Hydraulic conductivity: 124 gal/d/sq ft
Transmissivity 39020 gal/d/ft
Data used
Data ignored
Residual drawdown (feet)
15.0
12.0
9.0
6.0
3.0
0.0
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
Time, t/t'

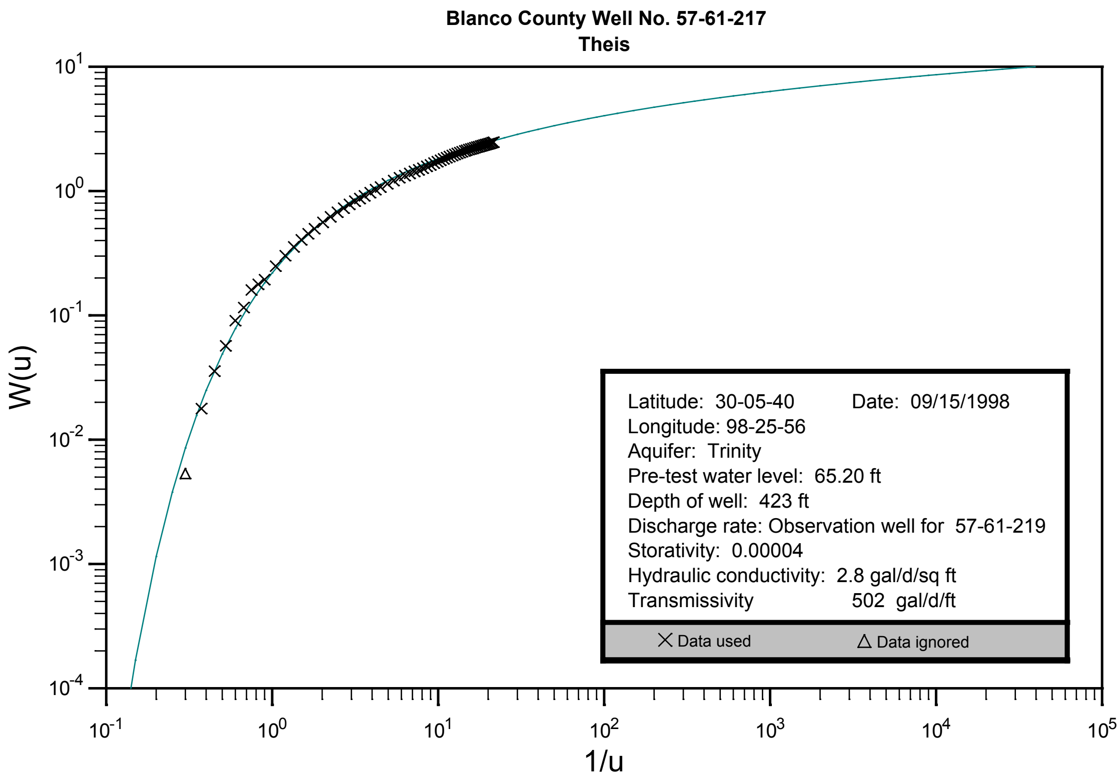

Bexar County Well No. 68-29-410
Hantush
Latitude: 29-34-33
Date: 02/09/1972
Longitude: 98-29-24
Aquifer: Edwards (Balcones Fault Zone)
Pre-test water level: 202.55 ft
Depth of well: 376 ft
Discharge rate: Observation well for 68-29-401
Storativity: 0.0004
Hydraulic conductivity: NA
Transmissivity 47552 gal/d/ft
Data used
Data ignored
W(u,r/B)+f
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
1/u

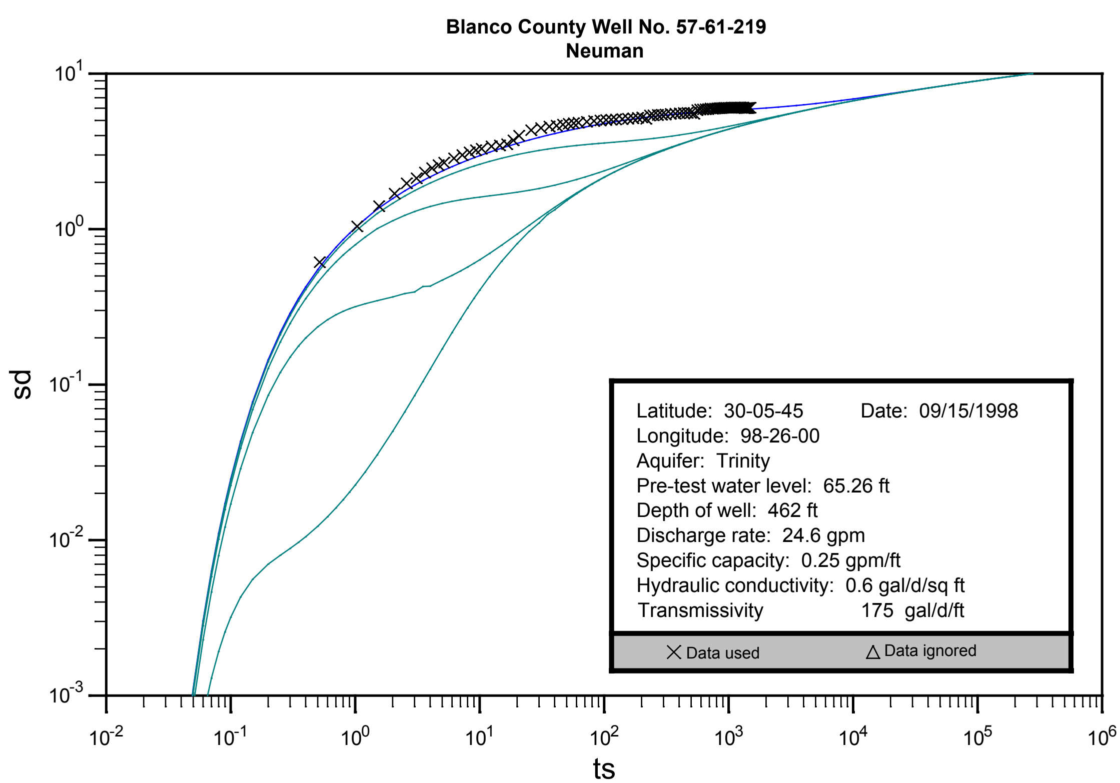

Bexar County Well No. 68-35-308
Cooper and Jacob
Latitude: 29-27-46 Date: 03/23/1972
Longitude: 98-38-25
Aquifer: Edwards (Balcones Fault Zone)
Pre-test water level: 144.10 ft
Depth of well: 607 ft
Discharge rate: 2827 gpm
Specific capacity: 1321 gpm/ft
Hydraulic conductivity: 7,285 gal/d/sq ft
Transmissivity 1915930 gal/d/ft
Data used
Data ignored
Drawdown (feet)
Time (minutes)
5.0
4.0
3.0
2.0
1.0
0.0
10-1
100
101
102
103
104
105

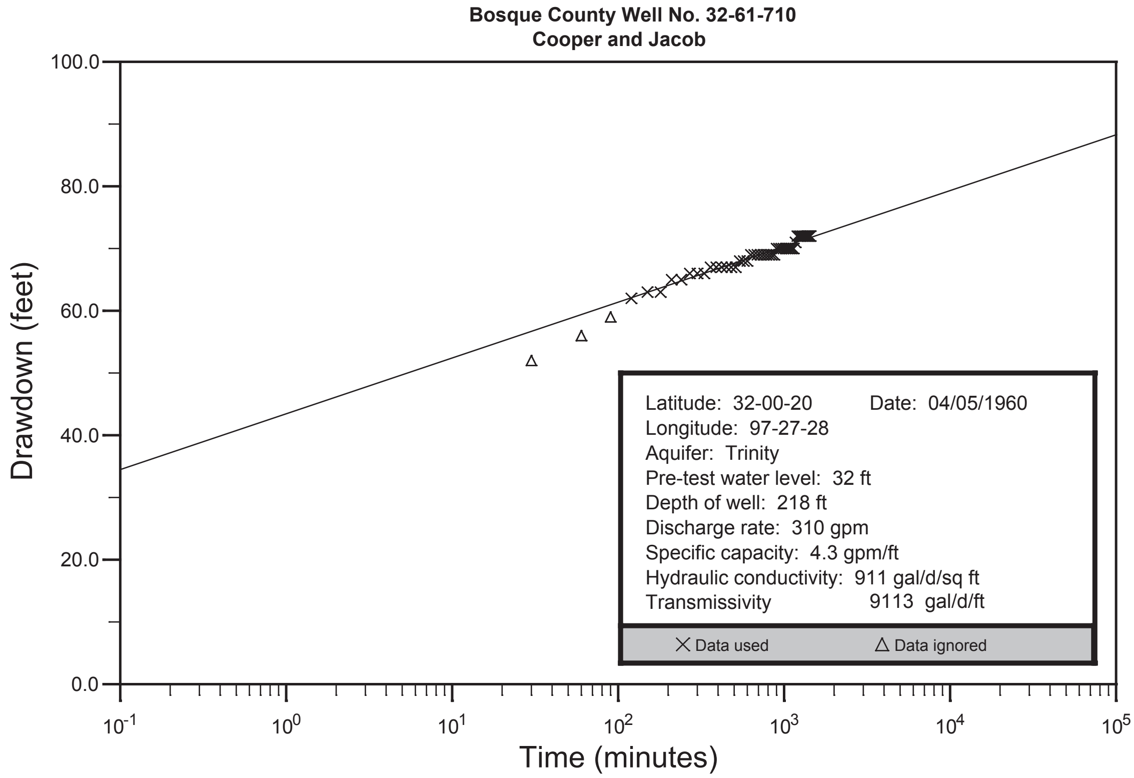

Blanco County Well No. 57-53-613
Cooper and Jacob
Latitude: 30-10-40 Date: 01/08/1999
Longitude: 98-23-43
Aquifer: Trinity
Pre-test water level: 266.48 ft
Depth of well: 505 ft
Discharge rate: 10.5 gpm
Specific capacity: 0.06 gpm/ft
Hydraulic conductivity: 0.3 gal/d/sq ft
Transmissivity 32 gal/d/ft
Data used
Data ignored
Drawdown (feet)
Time (minutes)
175.0
140.0
105.0
70.0
35.0
0.0
100
101
102
103
104
105
106


Blanco County Well No. 57-53-614
Cooper and Jacob
Drawdown (feet)
Time (minutes)
100.0
80.0
60.0
40.0
20.0
0.0
10¹
10²
10³
10⁴
10⁵
10⁶
10⁷
Latitude: 30-10-39
Date: 01/08/1999
Longitude: 98-23-42
Aquifer: Trinity
Pre-test water level: 268.68 ft
Depth of well: 505 ft
Discharge rate: Observation well for 57-53-613
Storativity: 0.0004
Hydraulic conductivity: 0.3 gal/d/sq ft
Transmissivity 30 gal/d/ft
Data used
Data ignored

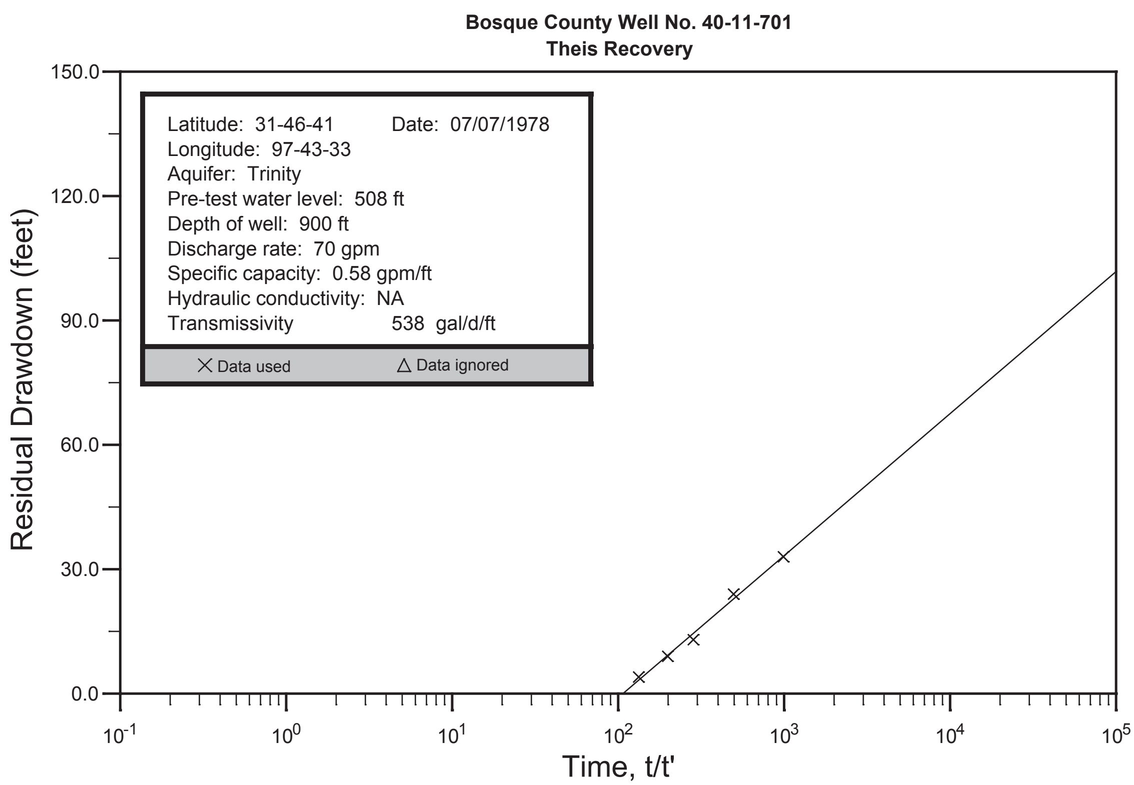

Blanco County Well No. 57-53-616
Cooper and Jacob
Drawdown (feet)
Time (minutes)
115.0
92.0
69.0
46.0
23.0
0.0
10⁰
10¹
10²
10³
10⁴
10⁵
10⁶
Latitude: 30-10-40
Date: 01/08/1999
Longitude: 98-23-43
Aquifer: Trinity
Pre-test water level: 266.48 ft
Depth of well: 445 ft
Discharge rate: Observation well for 57-53-613
Storativity: 0.0006
Hydraulic conductivity: NA
Transmissivity 35 gal/d/ft
Data used
Data ignored


Blanco County Well No. 57-61-217
Theis
W(u)
1/u
Latitude: 30-05-40
Date: 09/15/1998
Longitude: 98-25-56
Aquifer: Trinity
Pre-test water level: 65.20 ft
Depth of well: 423 ft
Discharge rate: Observation well for 57-61-219
Storativity: 0.00004
Hydraulic conductivity: 2.8 gal/d/sq ft
Transmissivity 502 gal/d/ft
Data used
Data ignored

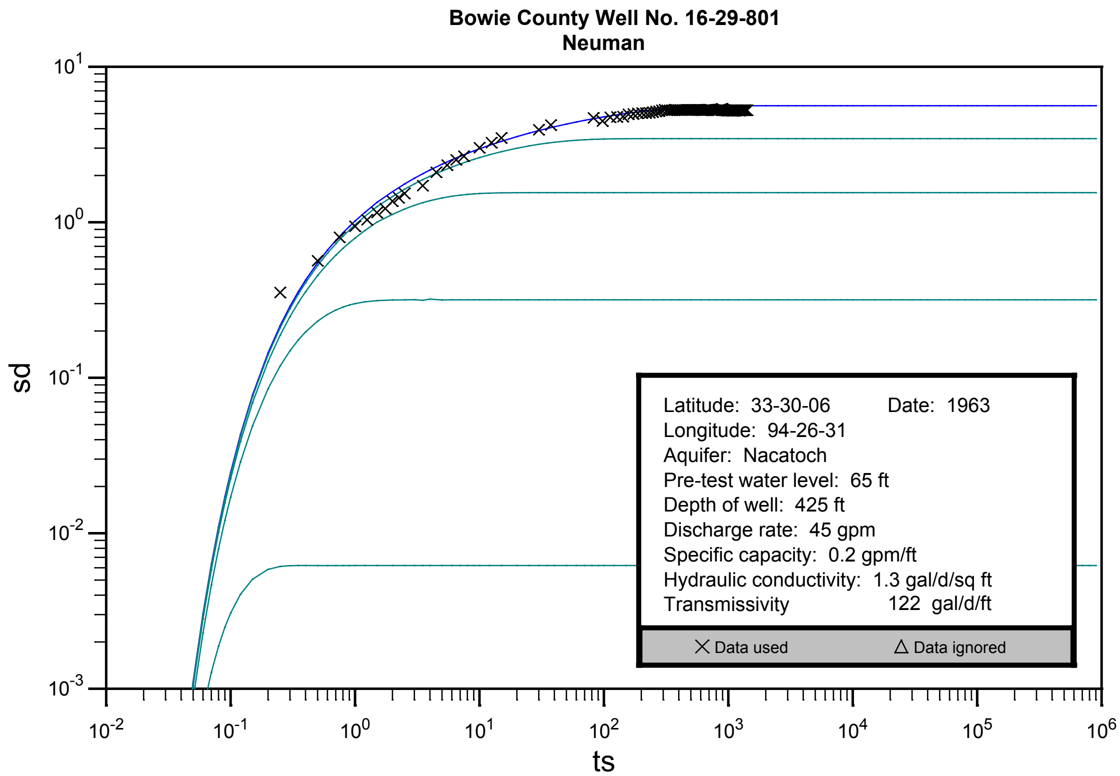

Blanco County Well No. 57-61-219
Neuman
sd
ts
Latitude: 30-05-45
Date: 09/15/1998
Longitude: 98-26-00
Aquifer: Trinity
Pre-test water level: 65.26 ft
Depth of well: 462 ft
Discharge rate: 24.6 gpm
Specific capacity: 0.25 gpm/ft
Hydraulic conductivity: 0.6 gal/d/sq ft
Transmissivity 175 gal/d/ft
Data used
Data ignored

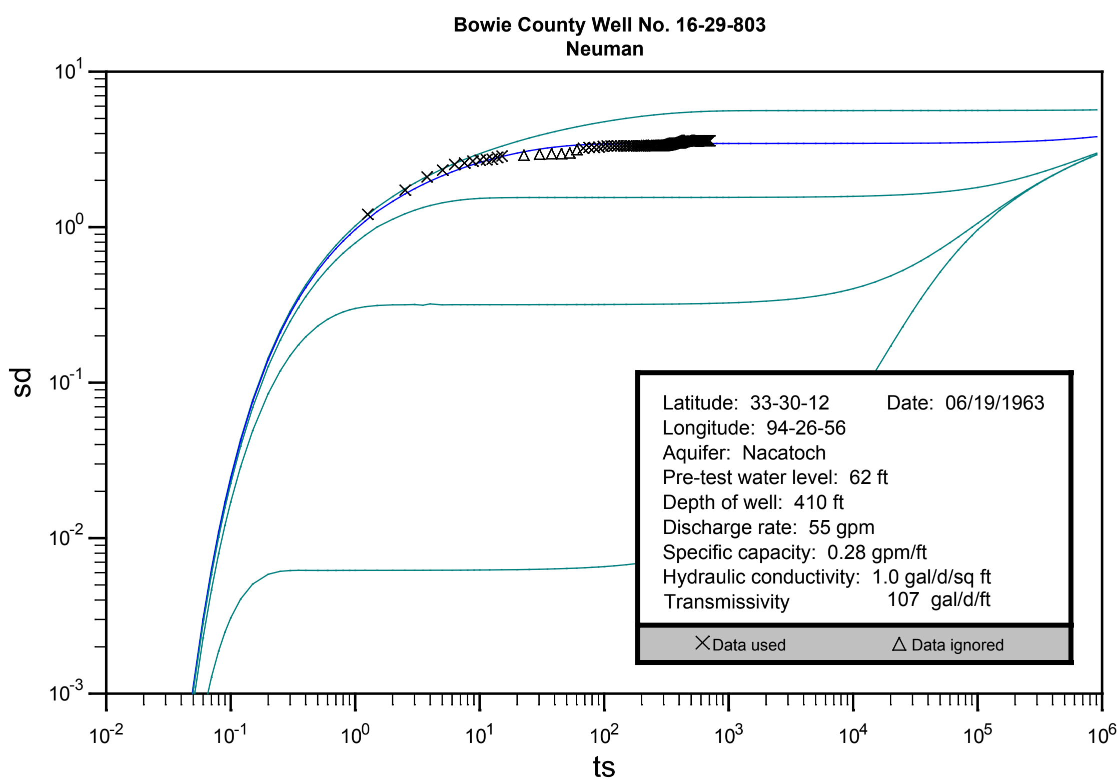


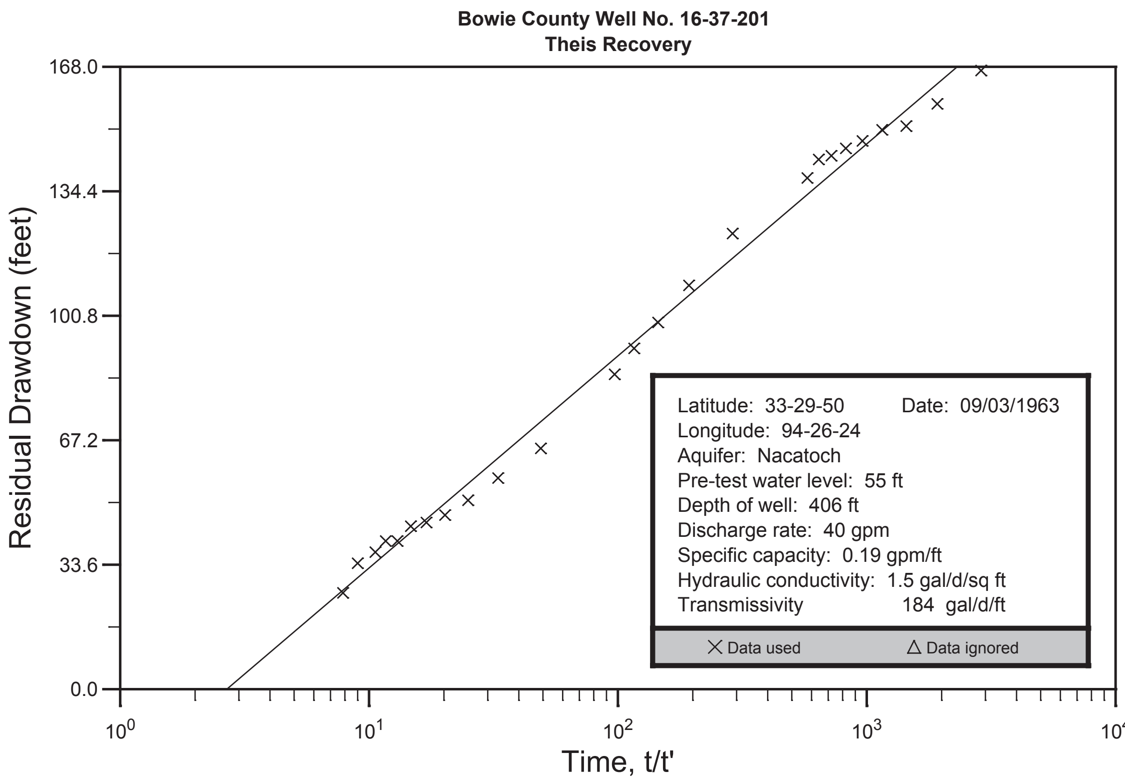
Bosque County Well No. 32-61-710
Cooper and Jacob
Drawdown (feet)
100.0
80.0
60.0
40.0
20.0
0.0
Time (minutes)
10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5
Latitude: 32-00-20
Date: 04/05/1960
Longitude: 97-27-28
Aquifer: Trinity
Pre-test water level: 32 ft
Depth of well: 218 ft
Discharge rate: 310 gpm
Specific capacity: 4.3 gpm/ft
Hydraulic conductivity: 911 gal/d/sq ft
Transmissivity 9113 gal/d/ft
Data used
Data ignored

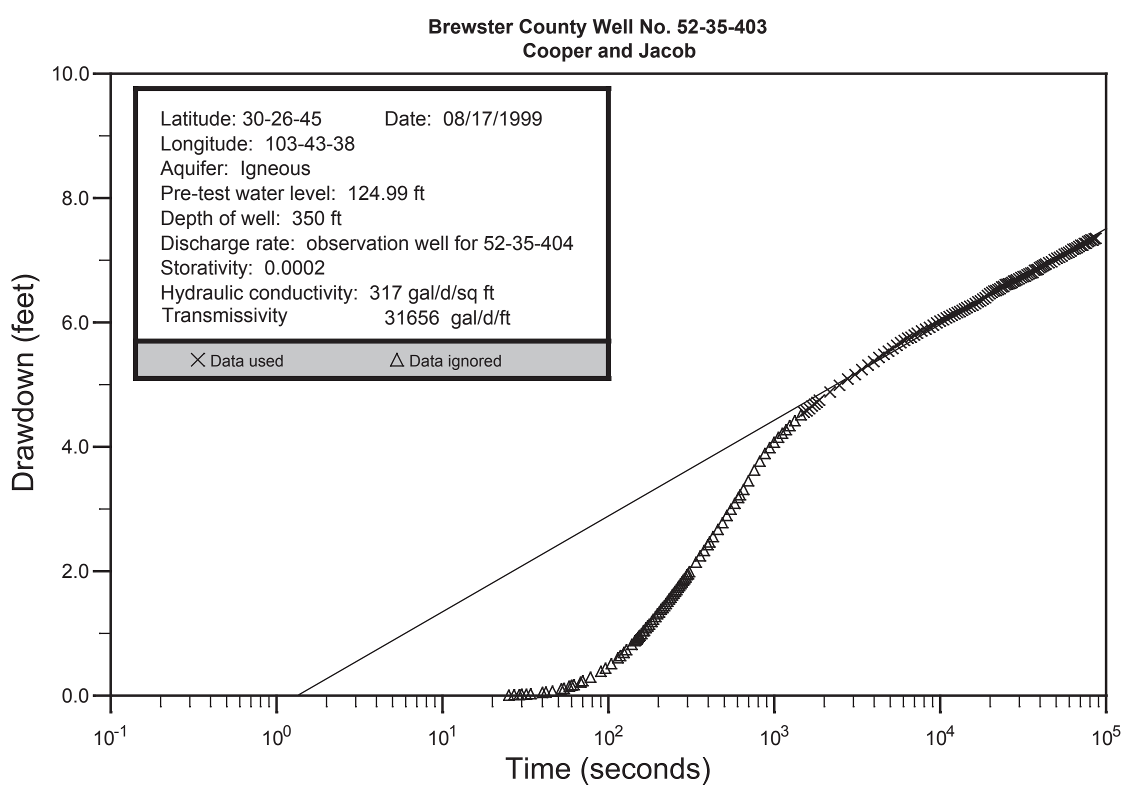


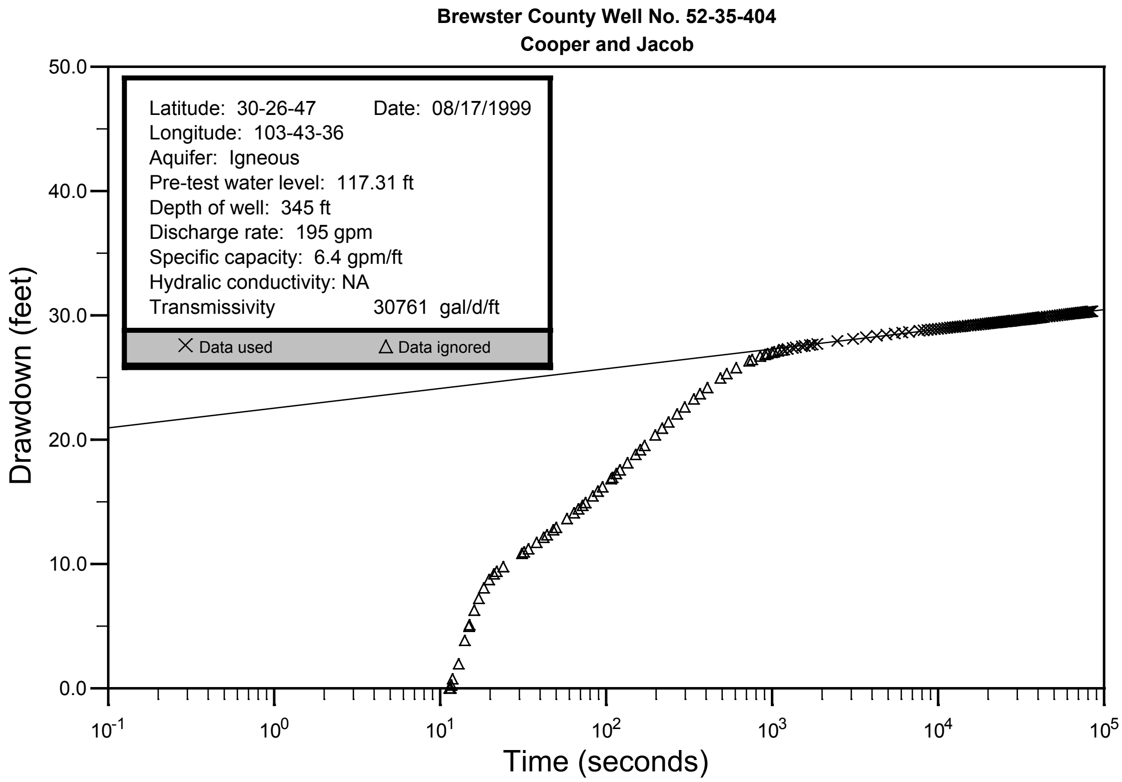
Bosque County Well No. 40-11-701
Theis Recovery
Residual Drawdown (feet)
150.0
120.0
90.0
60.0
30.0
0.0
Time, t/t'
10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5
Latitude: 31-46-41
Date: 07/07/1978
Longitude: 97-43-33
Aquifer: Trinity
Pre-test water level: 508 ft
Depth of well: 900 ft
Discharge rate: 70 gpm
Specific capacity: 0.58 gpm/ft
Hydraulic conductivity: NA
Transmissivity 538 gal/d/ft
Data used
Data ignored

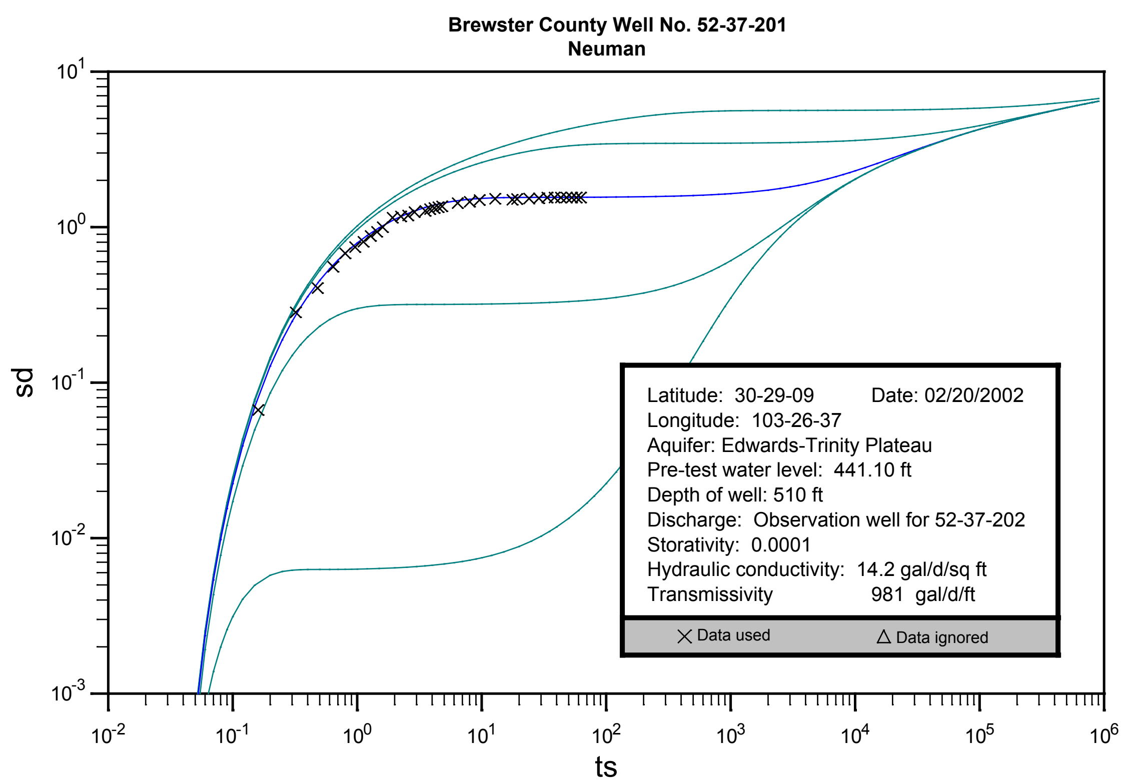

Bowie County Well No. 16-29-801
Neuman
sd
ts
Latitude: 33-30-06
Date: 1963
Longitude: 94-26-31
Aquifer: Nacatoch
Pre-test water level: 65 ft
Depth of well: 425 ft
Discharge rate: 45 gpm
Specific capacity: 0.2 gpm/ft
Hydraulic conductivity: 1.3 gal/d/sq ft
Transmissivity 122 gal/d/ft
Data used
Data ignored

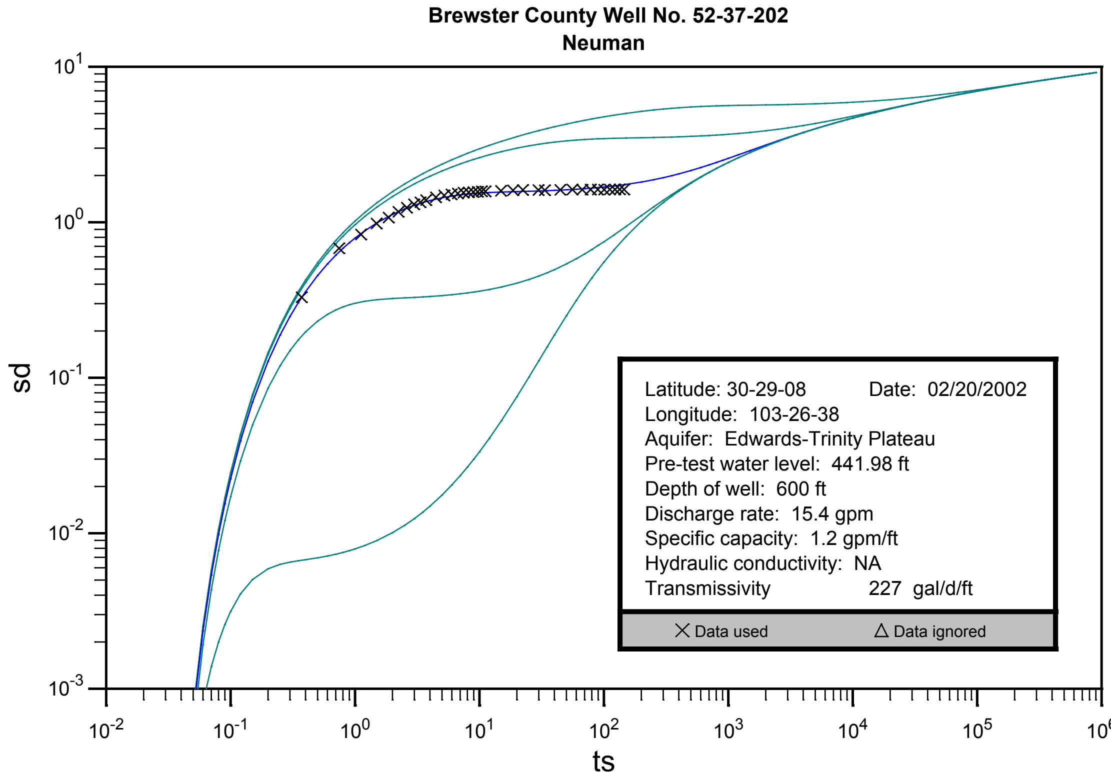

Bowie County Well No. 16-29-803
Neuman
sd
ts
Latitude: 33-30-12
Date: 06/19/1963
Longitude: 94-26-56
Aquifer: Nacatoch
Pre-test water level: 62 ft
Depth of well: 410 ft
Discharge rate: 55 gpm
Specific capacity: 0.28 gpm/ft
Hydraulic conductivity: 1.0 gal/d/sq ft
Transmissivity 107 gal/d/ft
Data used
Data ignored

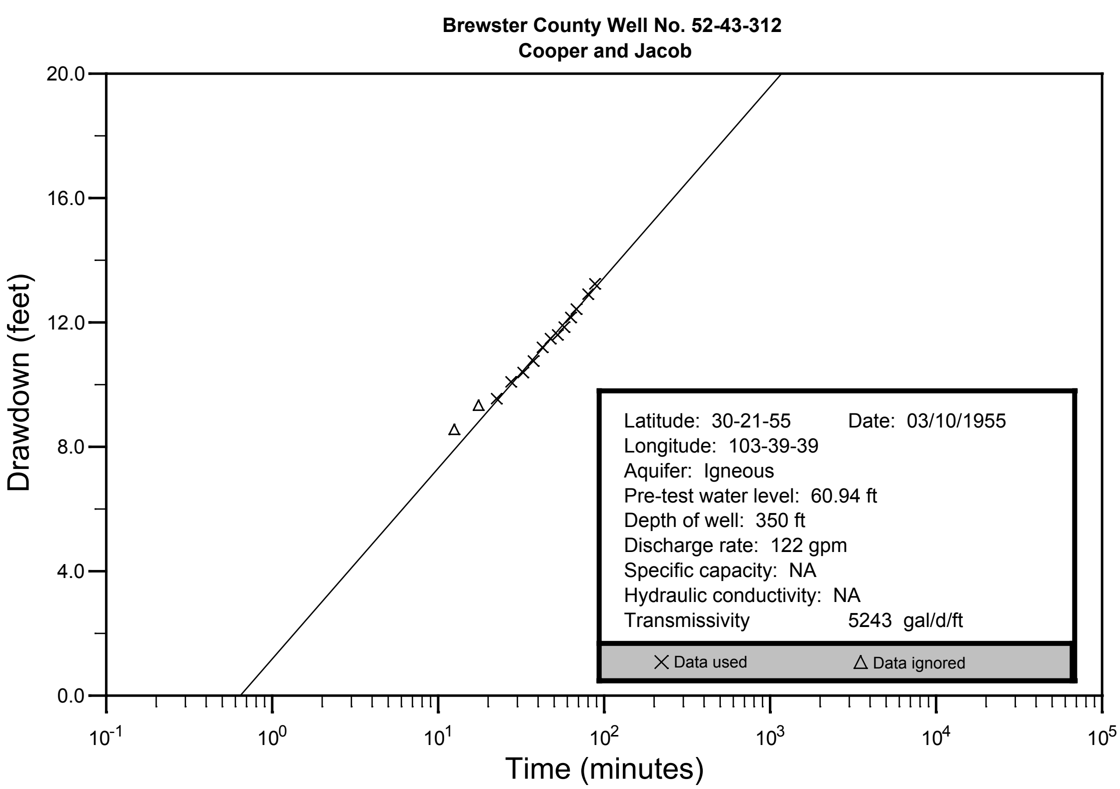

Bowie County Well No. 16-37-201
Theis Recovery
Residual Drawdown (feet)
168.0
134.4
100.8
67.2
33.6
0.0
Time, t/t'
Latitude: 33-29-50
Date: 09/03/1963
Longitude: 94-26-24
Aquifer: Nacatoch
Pre-test water level: 55 ft
Depth of well: 406 ft
Discharge rate: 40 gpm
Specific capacity: 0.19 gpm/ft
Hydraulic conductivity: 1.5 gal/d/sq ft
Transmissivity 184 gal/d/ft
Data used
Data ignored

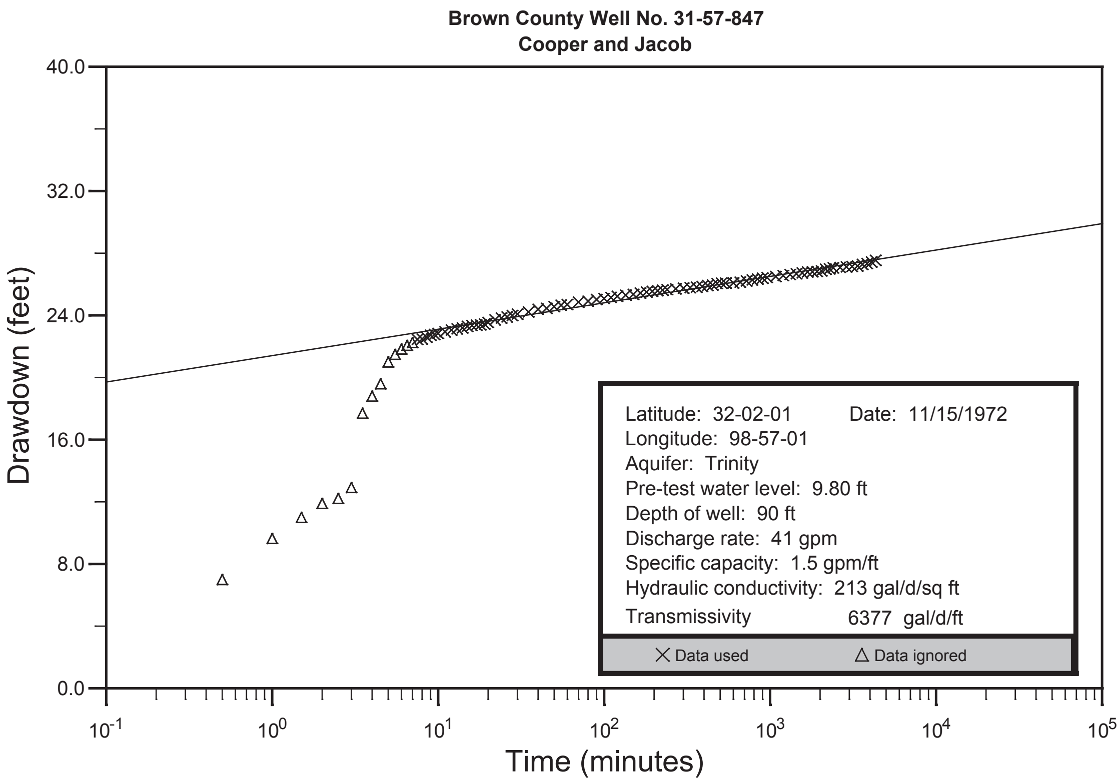

Brewster County Well No. 52-35-403
Cooper and Jacob
Drawdown (feet)
10.0
8.0
6.0
4.0
2.0
0.0
Time (seconds)
Latitude: 30-26-45
Date: 08/17/1999
Longitude: 103-43-38
Aquifer: Igneous
Pre-test water level: 124.99 ft
Depth of well: 350 ft
Discharge rate: observation well for 52-35-404
Storativity: 0.0002
Hydraulic conductivity: 317 gal/d/sq ft
Transmissivity 31656 gal/d/ft
Data used
Data ignored

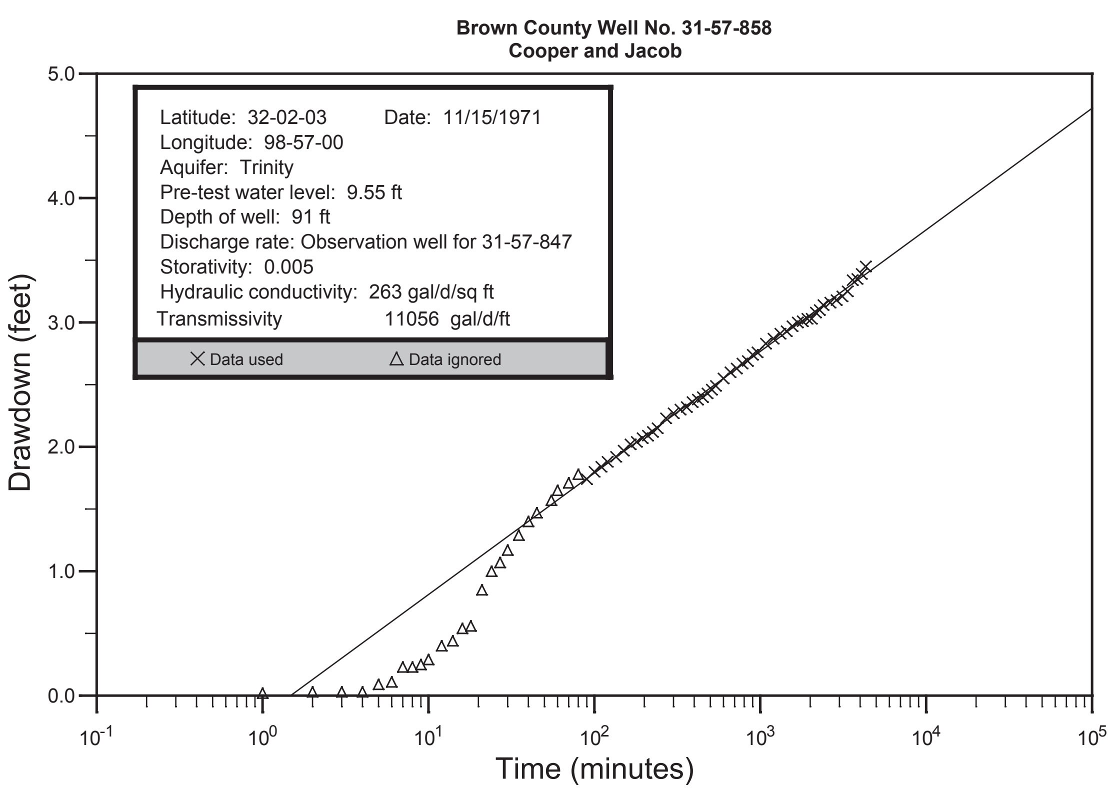

Brewster County Well No. 52-35-404
Cooper and Jacob
Latitude: 30-26-47
Date: 08/17/1999
Longitude: 103-43-36
Aquifer: Igneous
Pre-test water level: 117.31 ft
Depth of well: 345 ft
Discharge rate: 195 gpm
Specific capacity: 6.4 gpm/ft
Hydraulic conductivity: NA
Transmissivity 30761 gal/d/ft
Data used
Data ignored
Drawdown (feet)
Time (seconds)

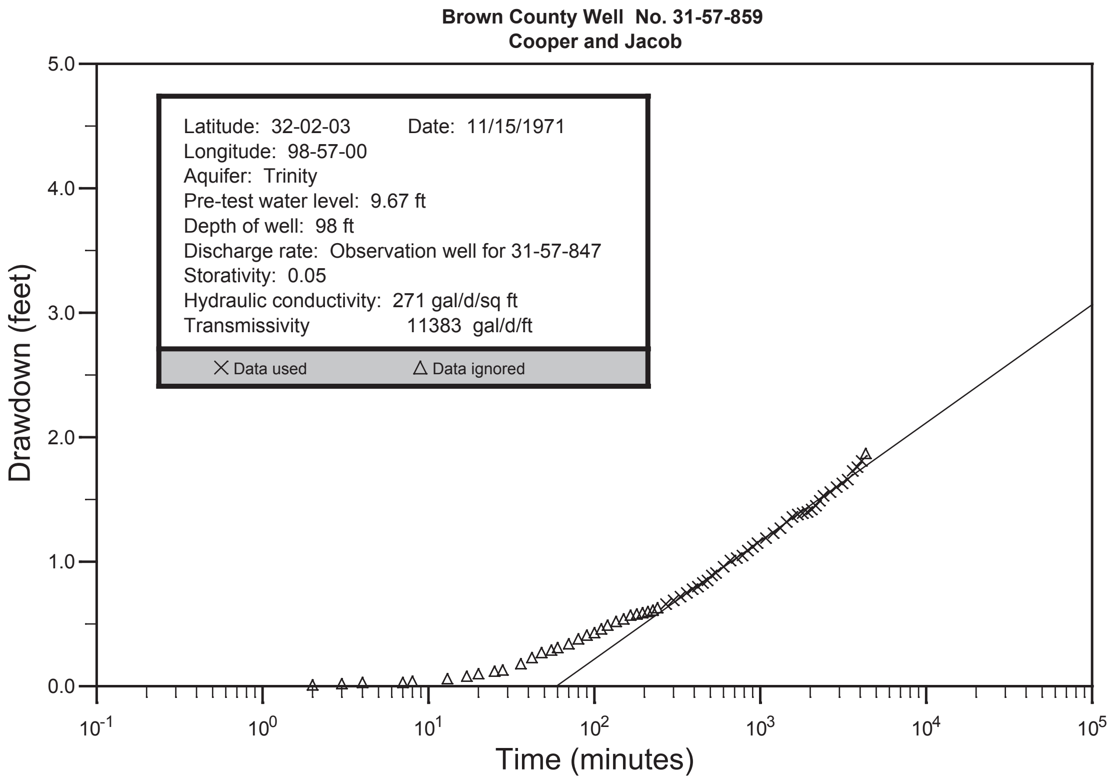

Brewster County Well No. 52-37-201
Neuman
Latitude: 30-29-09
Date: 02/20/2002
Longitude: 103-26-37
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 441.10 ft
Depth of well: 510 ft
Discharge: Observation well for 52-37-202
Storativity: 0.0001
Hydraulic conductivity: 14.2 gal/d/sq ft
Transmissivity 981 gal/d/ft
Data used
Data ignored
sd
ts

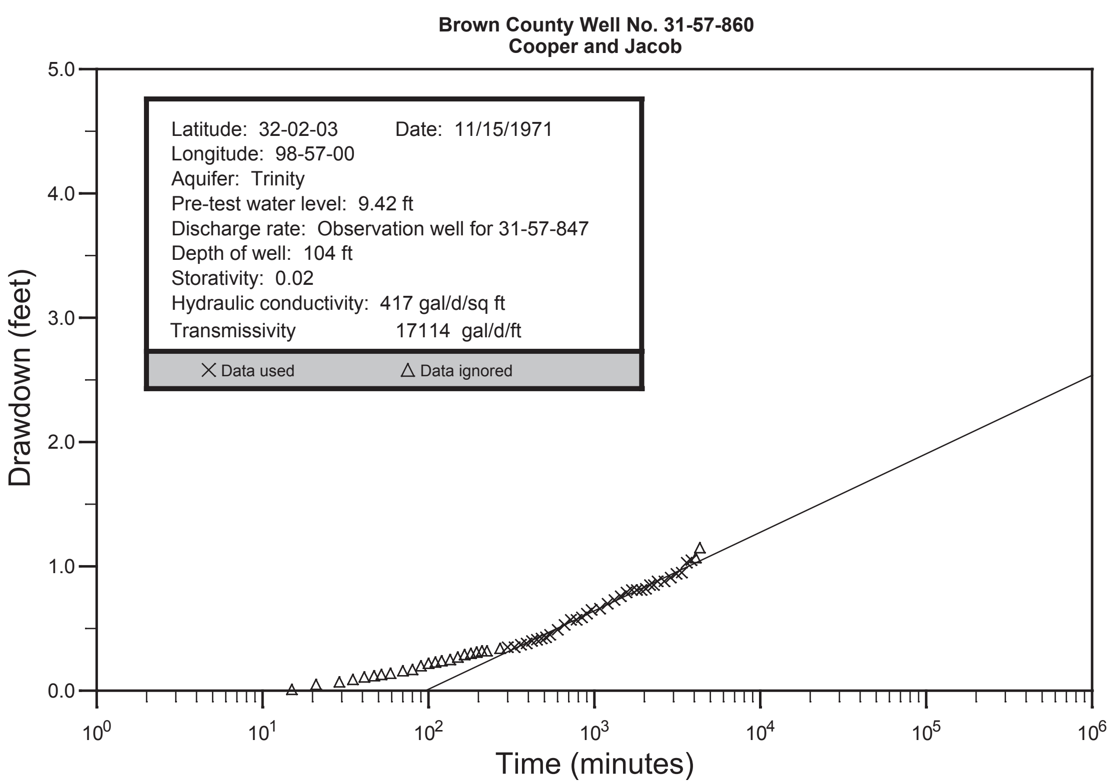

Brewster County Well No. 52-37-202
Neuman
sd
ts
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-2}
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
10^{6}
Latitude: 30-29-08
Date: 02/20/2002
Longitude: 103-26-38
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 441.98 ft
Depth of well: 600 ft
Discharge rate: 15.4 gpm
Specific capacity: 1.2 gpm/ft
Hydraulic conductivity: NA
Transmissivity 227 gal/d/ft
Data used
Data ignored

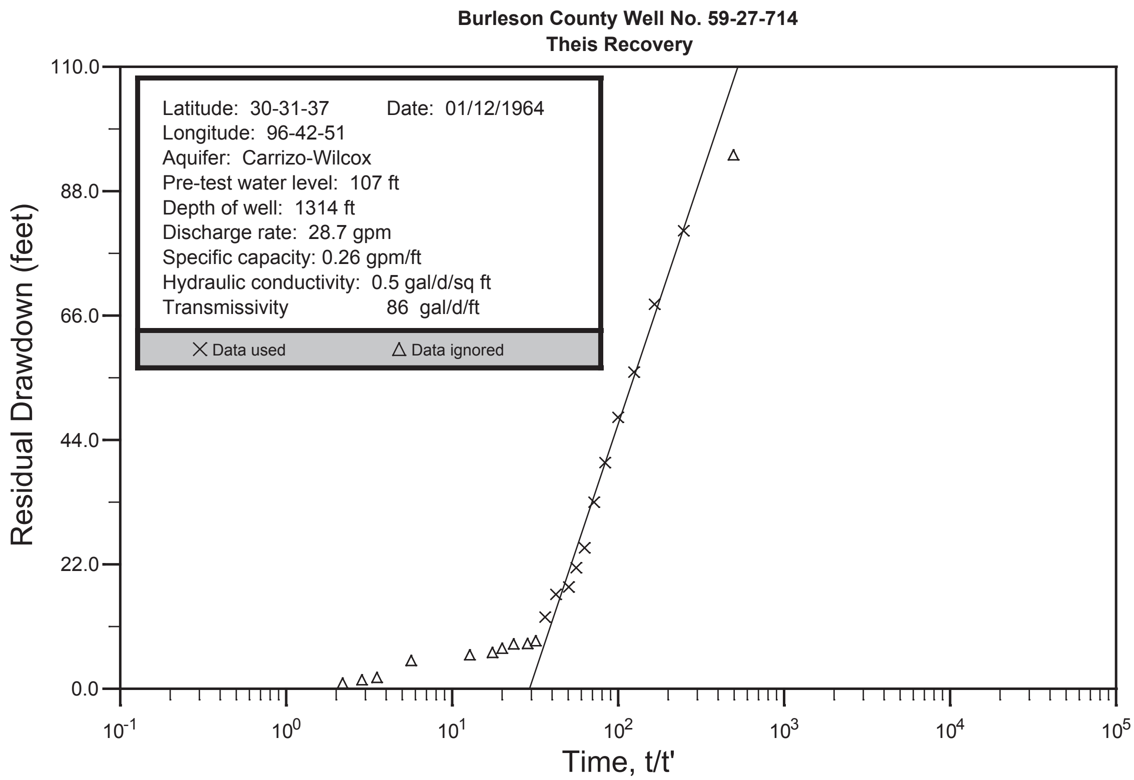

Brewster County Well No. 52-43-312
Cooper and Jacob
Drawdown (feet)
Time (minutes)
20.0
16.0
12.0
8.0
4.0
0.0
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
Latitude: 30-21-55
Date: 03/10/1955
Longitude: 103-39-39
Aquifer: Igneous
Pre-test water level: 60.94 ft
Depth of well: 350 ft
Discharge rate: 122 gpm
Specific capacity: NA
Hydraulic conductivity: NA
Transmissivity 5243 gal/d/ft
Data used
Data ignored

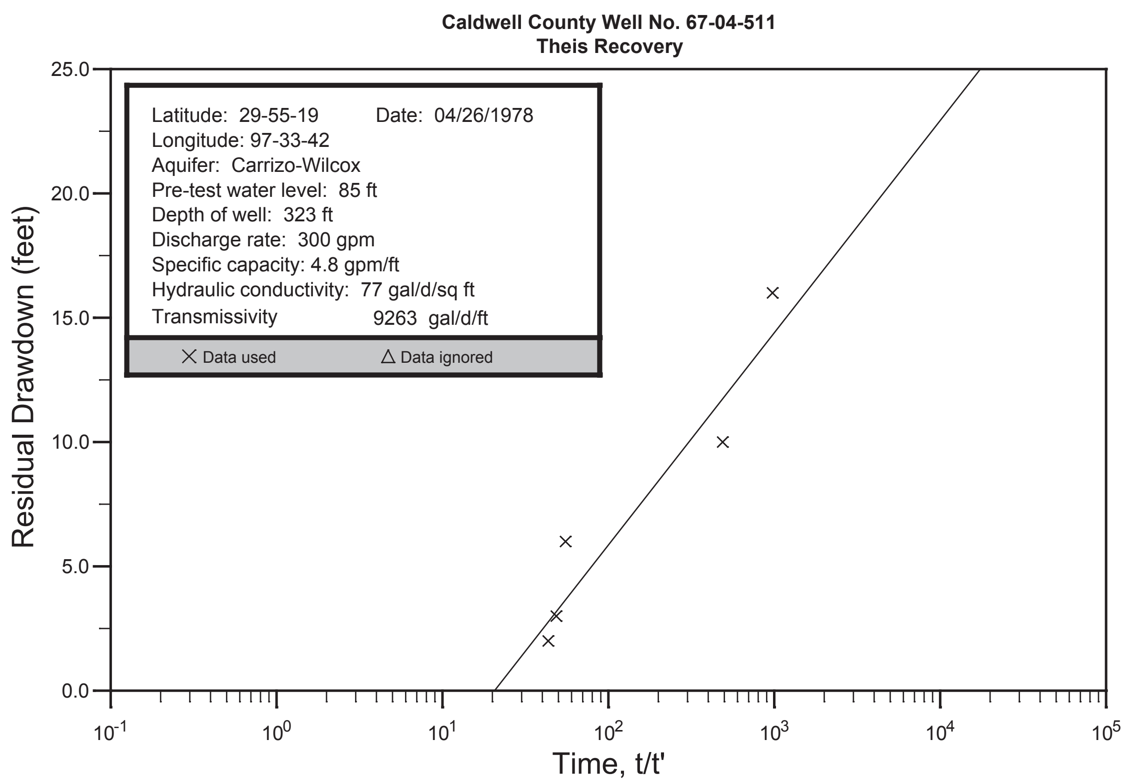

Brown County Well No. 31-57-847
Cooper and Jacob
Drawdown (feet)
Time (minutes)
40.0
32.0
24.0
16.0
8.0
0.0
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
Latitude: 32-02-01 Date: 11/15/1972
Longitude: 98-57-01
Aquifer: Trinity
Pre-test water level: 9.80 ft
Depth of well: 90 ft
Discharge rate: 41 gpm
Specific capacity: 1.5 gpm/ft
Hydraulic conductivity: 213 gal/d/sq ft
Transmissivity 6377 gal/d/ft
Data used
Data ignored

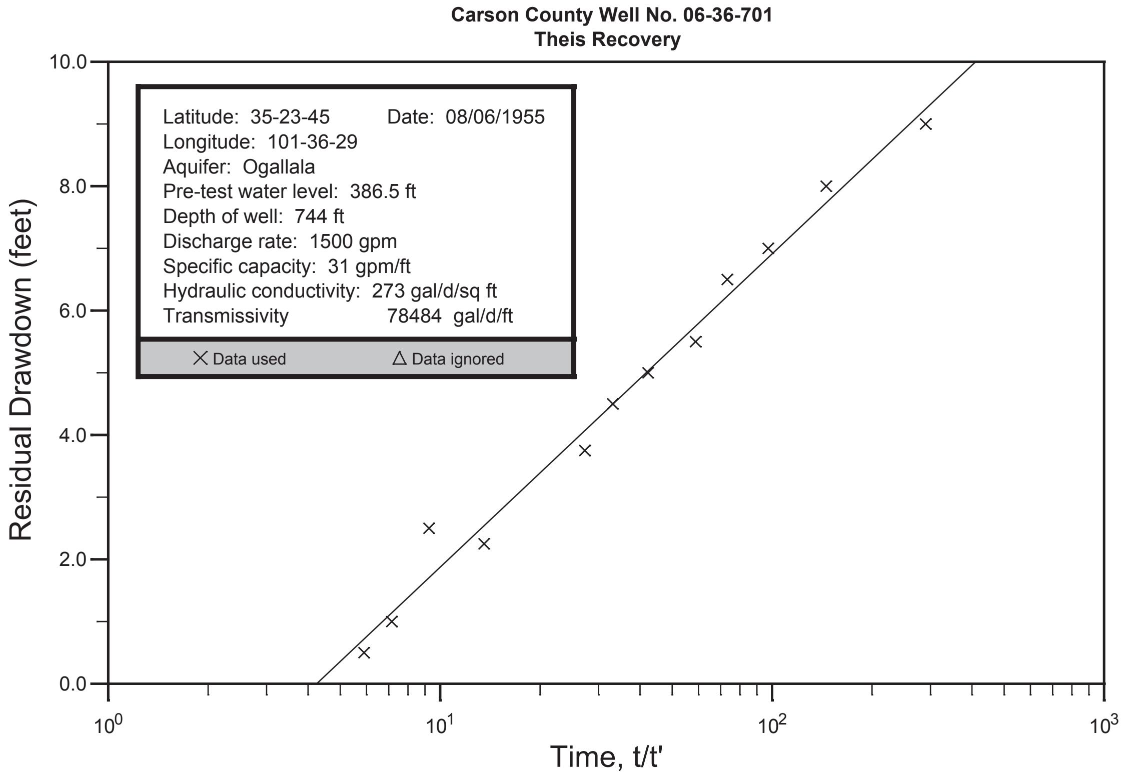

Brown County Well No. 31-57-858
Cooper and Jacob
Drawdown (feet)
Time (minutes)
5.0
4.0
3.0
2.0
1.0
0.0
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
Latitude: 32-02-03 Date: 11/15/1971
Longitude: 98-57-00
Aquifer: Trinity
Pre-test water level: 9.55 ft
Depth of well: 91 ft
Discharge rate: Observation well for 31-57-847
Storativity: 0.005
Hydraulic conductivity: 263 gal/d/sq ft
Transmissivity 11056 gal/d/ft
Data used
Data ignored

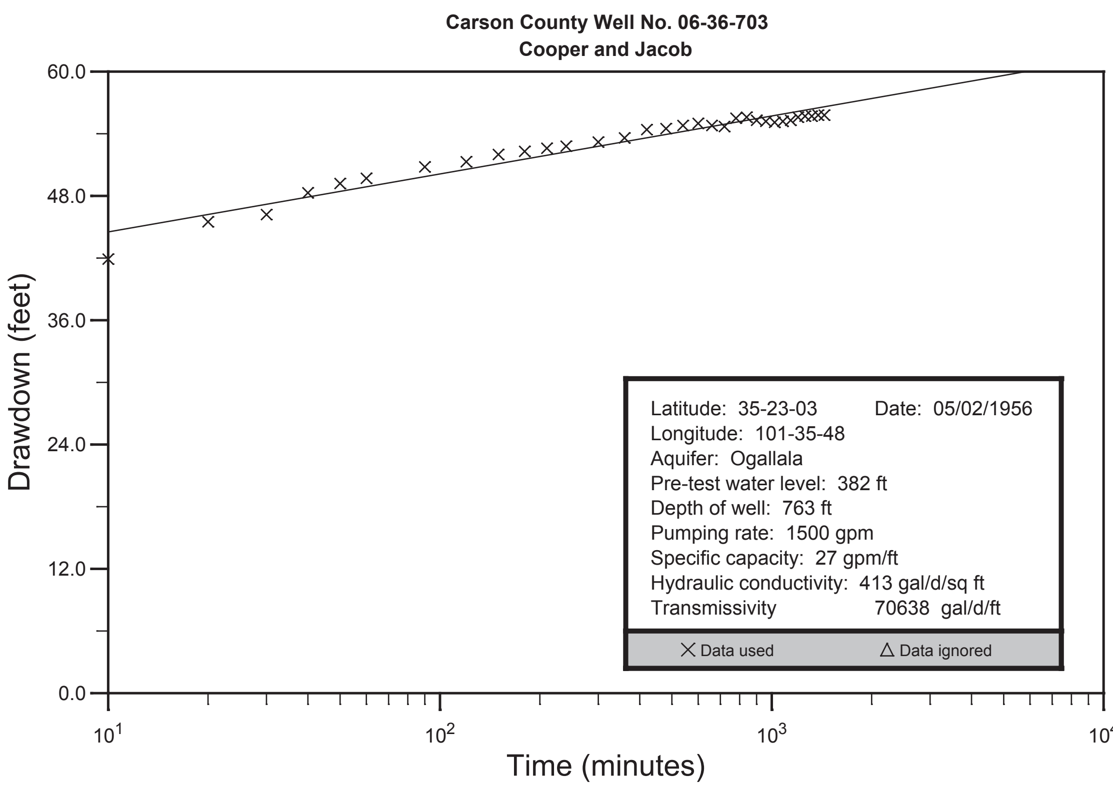

Brown County Well No. 31-57-859
Cooper and Jacob
Latitude: 32-02-03
Date: 11/15/1971
Longitude: 98-57-00
Aquifer: Trinity
Pre-test water level: 9.67 ft
Depth of well: 98 ft
Discharge rate: Observation well for 31-57-847
Storativity: 0.05
Hydraulic conductivity: 271 gal/d/sq ft
Transmissivity 11383 gal/d/ft
Data used
Data ignored
Drawdown (feet)
Time (minutes)

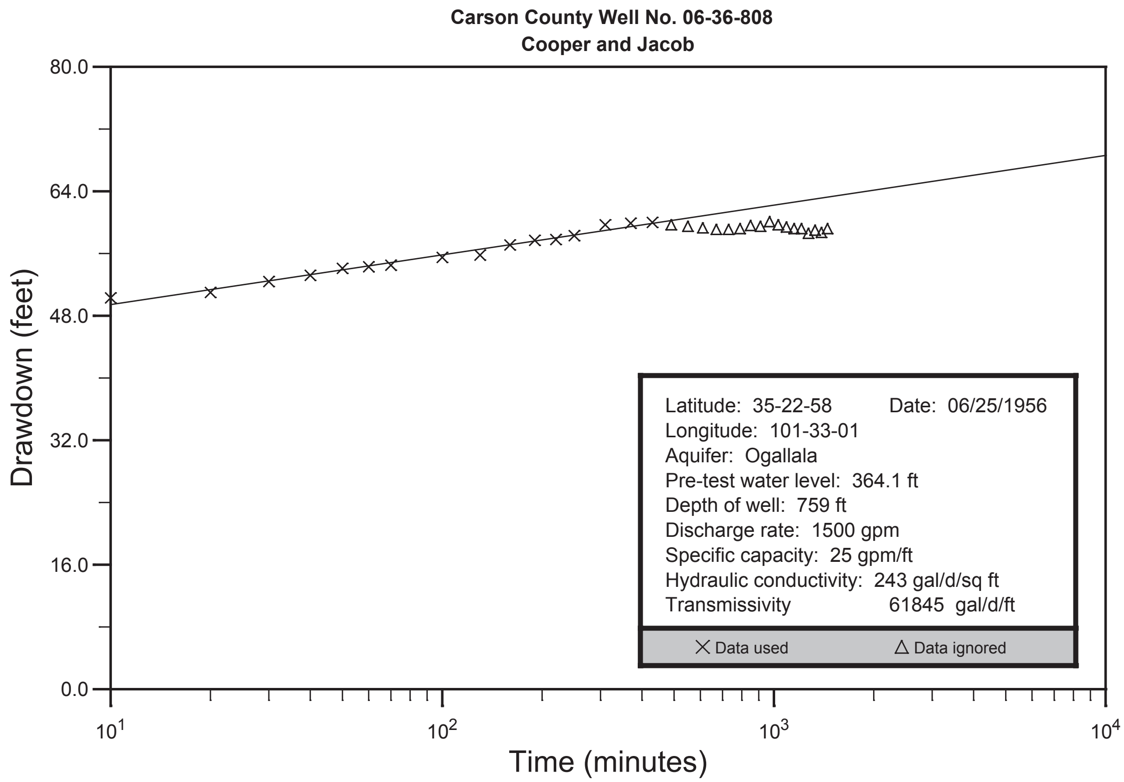

Brown County Well No. 31-57-860
Cooper and Jacob
Latitude: 32-02-03
Date: 11/15/1971
Longitude: 98-57-00
Aquifer: Trinity
Pre-test water level: 9.42 ft
Discharge rate: Observation well for 31-57-847
Depth of well: 104 ft
Storativity: 0.02
Hydraulic conductivity: 417 gal/d/sq ft
Transmissivity 17114 gal/d/ft
Data used
Data ignored
Drawdown (feet)
Time (minutes)

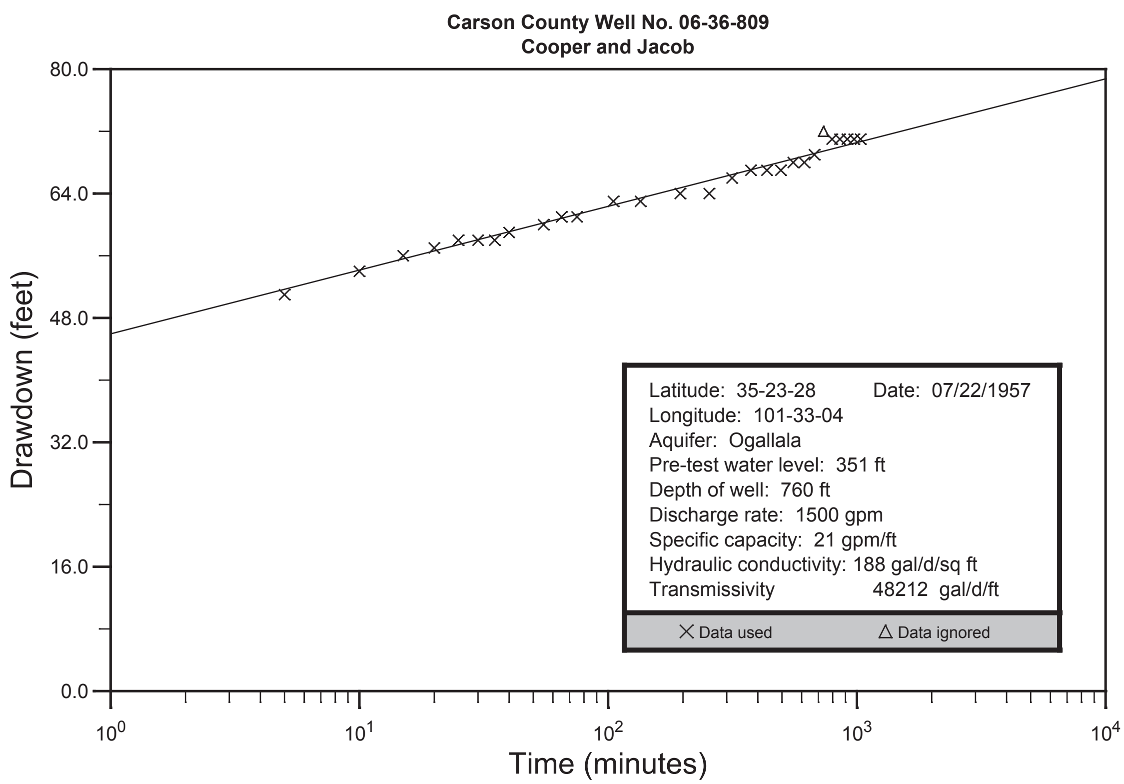

Burleson County Well No. 59-27-714
Theis Recovery
Latitude: 30-31-37
Date: 01/12/1964
Longitude: 96-42-51
Aquifer: Carrizo-Wilcox
Pre-test water level: 107 ft
Depth of well: 1314 ft
Discharge rate: 28.7 gpm
Specific capacity: 0.26 gpm/ft
Hydraulic conductivity: 0.5 gal/d/sq ft
Transmissivity 86 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
Time, t/t'


Caldwell County Well No. 67-04-511
Theis Recovery
Latitude: 29-55-19
Date: 04/26/1978
Longitude: 97-33-42
Aquifer: Carrizo-Wilcox
Pre-test water level: 85 ft
Depth of well: 323 ft
Discharge rate: 300 gpm
Specific capacity: 4.8 gpm/ft
Hydraulic conductivity: 77 gal/d/sq ft
Transmissivity 9263 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
Time, t/t'

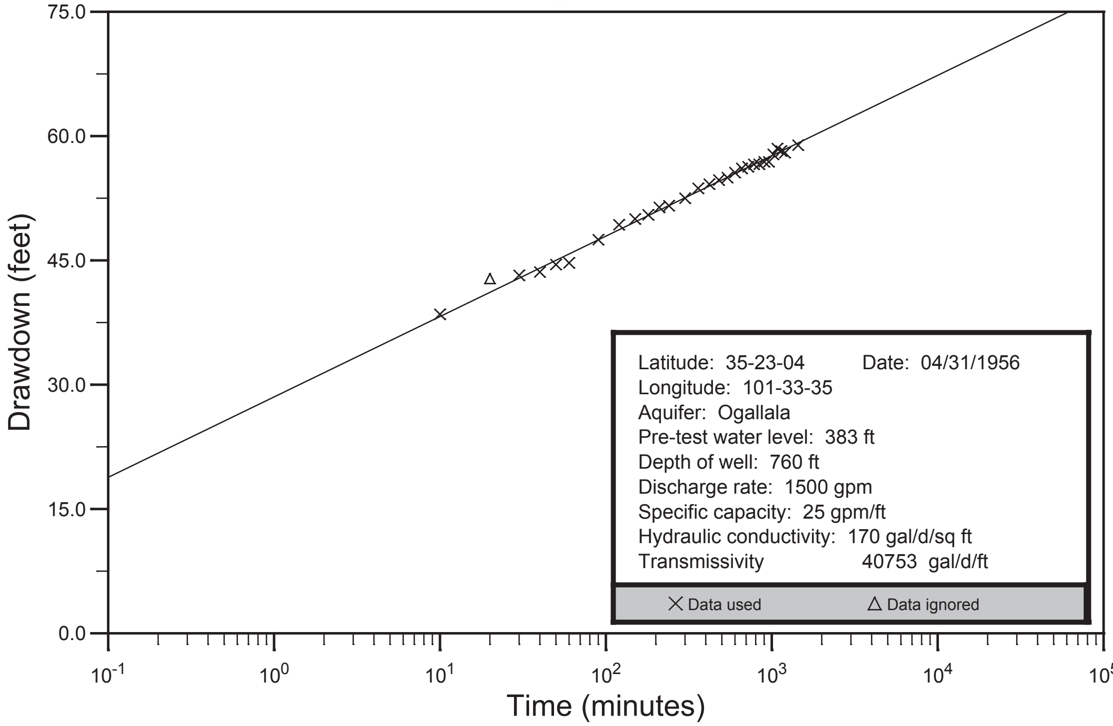

Carson County Well No. 06-36-701
Theis Recovery
Latitude: 35-23-45
Date: 08/06/1955
Longitude: 101-36-29
Aquifer: Ogallala
Pre-test water level: 386.5 ft
Depth of well: 744 ft
Discharge rate: 1500 gpm
Specific capacity: 31 gpm/ft
Hydraulic conductivity: 273 gal/d/sq ft
Transmissivity 78484 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
Time, t/t'


Carson County Well No. 06-36-703
Cooper and Jacob
Latitude: 35-23-03
Date: 05/02/1956
Longitude: 101-35-48
Aquifer: Ogallala
Pre-test water level: 382 ft
Depth of well: 763 ft
Pumping rate: 1500 gpm
Specific capacity: 27 gpm/ft
Hydraulic conductivity: 413 gal/d/sq ft
Transmissivity 70638 gal/d/ft
Data used
Data ignored
Drawdown (feet)
Time (minutes)

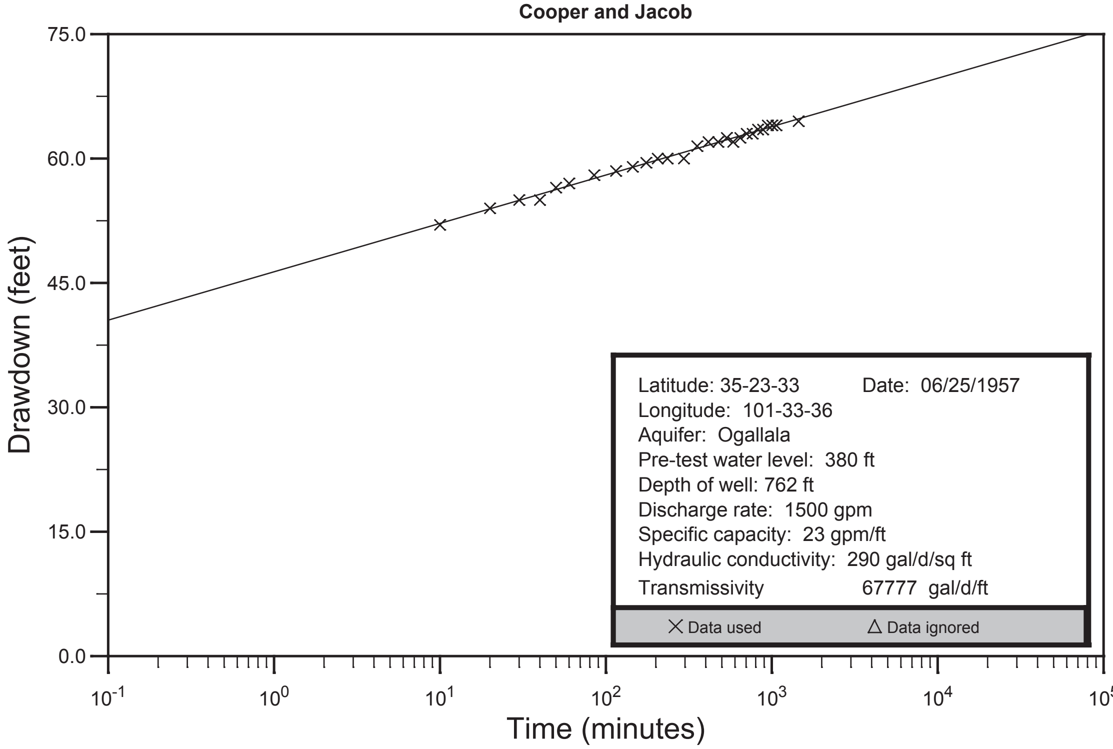

Carson County Well No. 06-36-808
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 35-22-58
Date: 06/25/1956
Longitude: 101-33-01
Aquifer: Ogallala
Pre-test water level: 364.1 ft
Depth of well: 759 ft
Discharge rate: 1500 gpm
Specific capacity: 25 gpm/ft
Hydraulic conductivity: 243 gal/d/sq ft
Transmissivity 61845 gal/d/ft
Data used
Data ignored

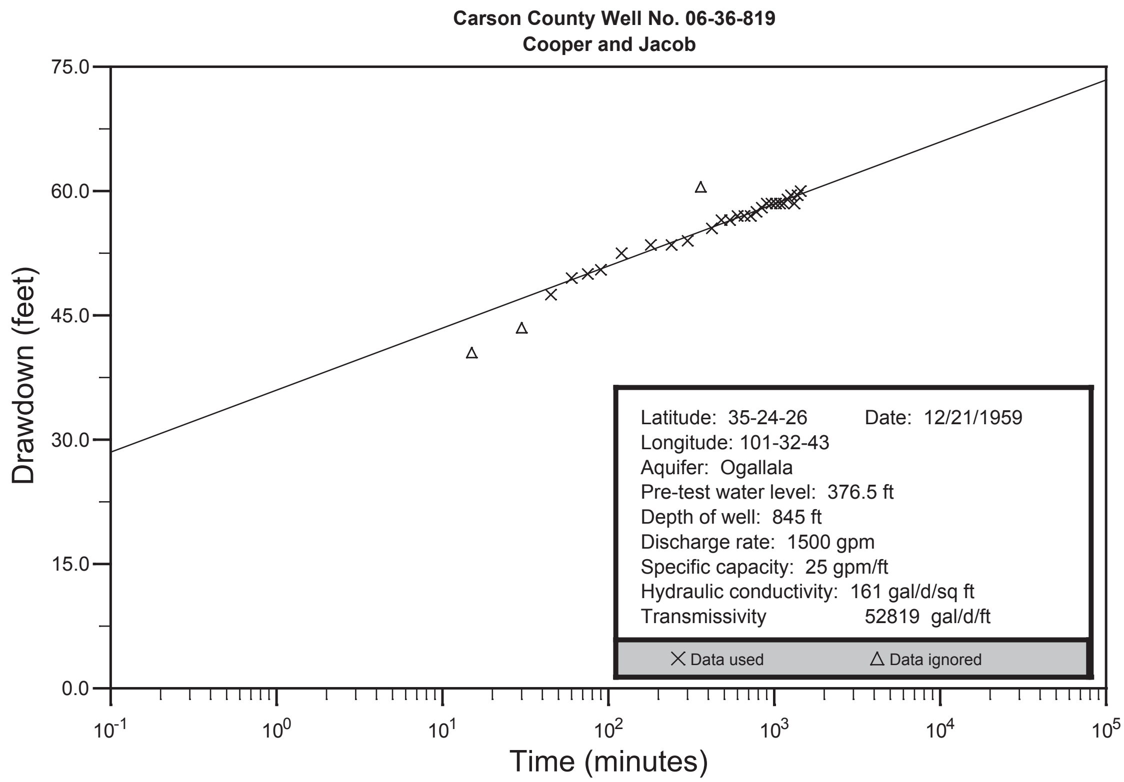

Carson County Well No. 06-36-809
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 35-23-28
Date: 07/22/1957
Longitude: 101-33-04
Aquifer: Ogallala
Pre-test water level: 351 ft
Depth of well: 760 ft
Discharge rate: 1500 gpm
Specific capacity: 21 gpm/ft
Hydraulic conductivity: 188 gal/d/sq ft
Transmissivity 48212 gal/d/ft
Data used
Data ignored

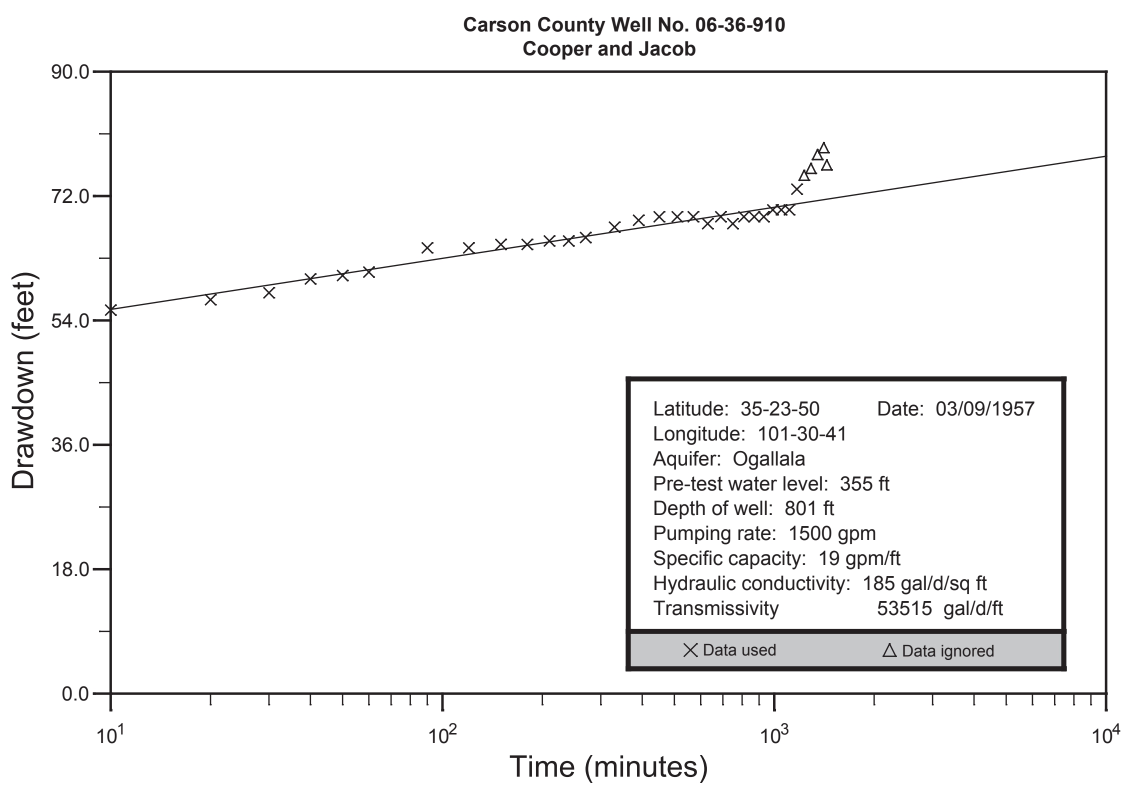
Carson County Well No. 06-36-812
Cooper and Jacob

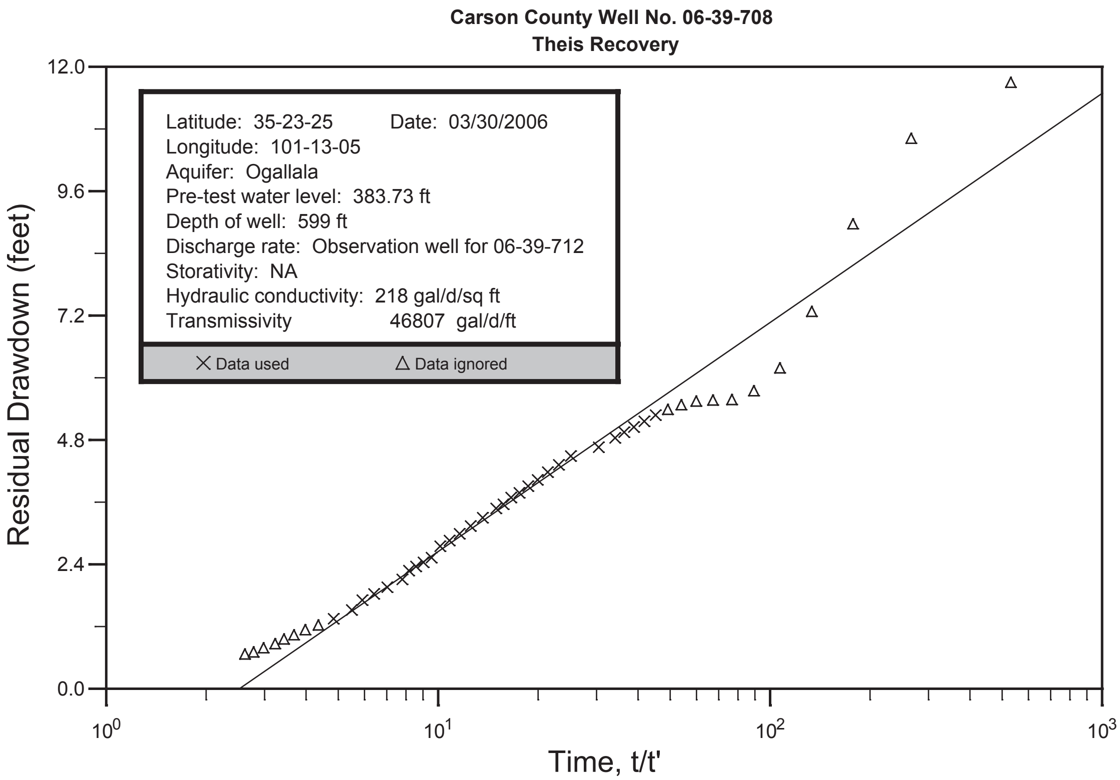


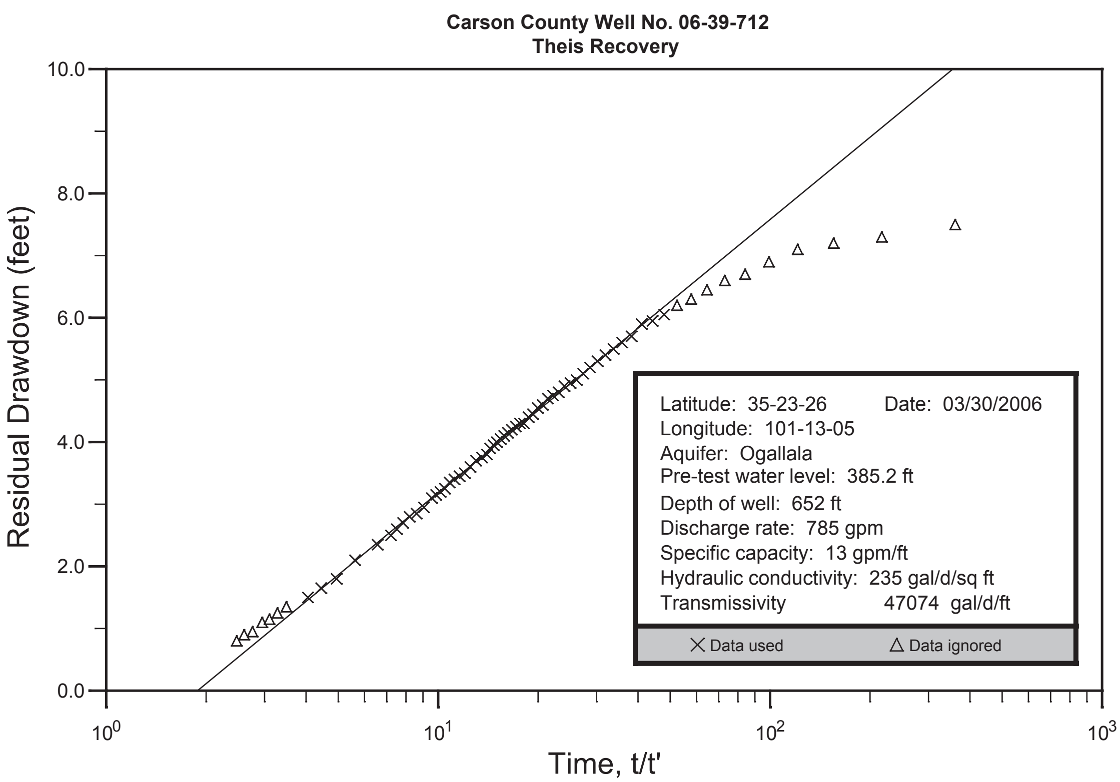
Carson County Well No. 06-36-813
Cooper and Jacob

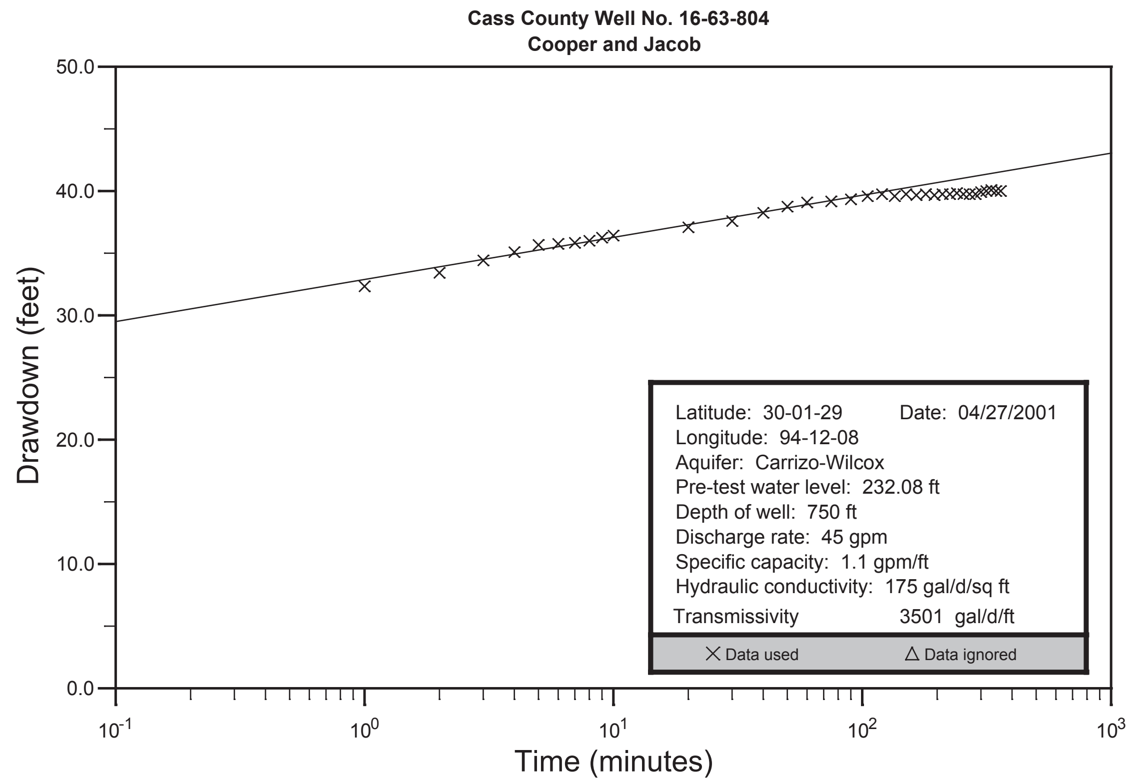


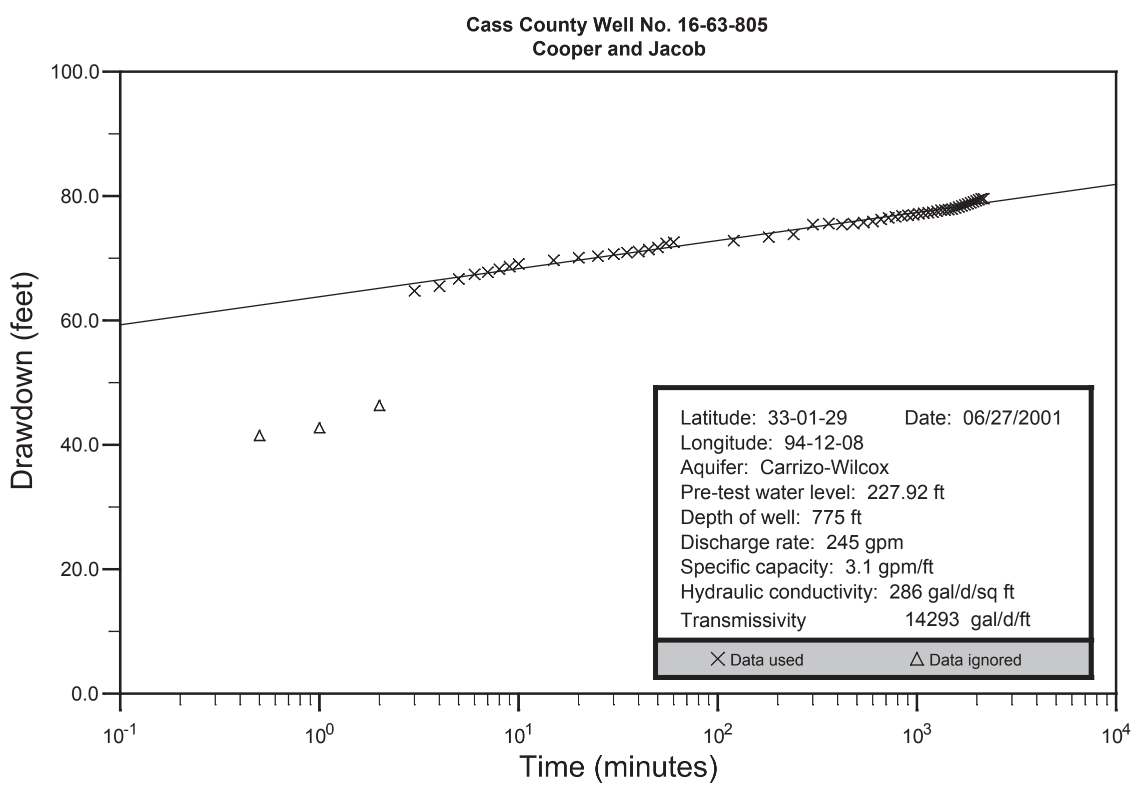

Carson County Well No. 06-36-819
Cooper and Jacob
Drawdown (feet)
Time (minutes)
75.0
60.0
45.0
30.0
15.0
0.0
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
Latitude: 35-24-26
Date: 12/21/1959
Longitude: 101-32-43
Aquifer: Ogallala
Pre-test water level: 376.5 ft
Depth of well: 845 ft
Discharge rate: 1500 gpm
Specific capacity: 25 gpm/ft
Hydraulic conductivity: 161 gal/d/sq ft
Transmissivity 52819 gal/d/ft
Data used
Data ignored

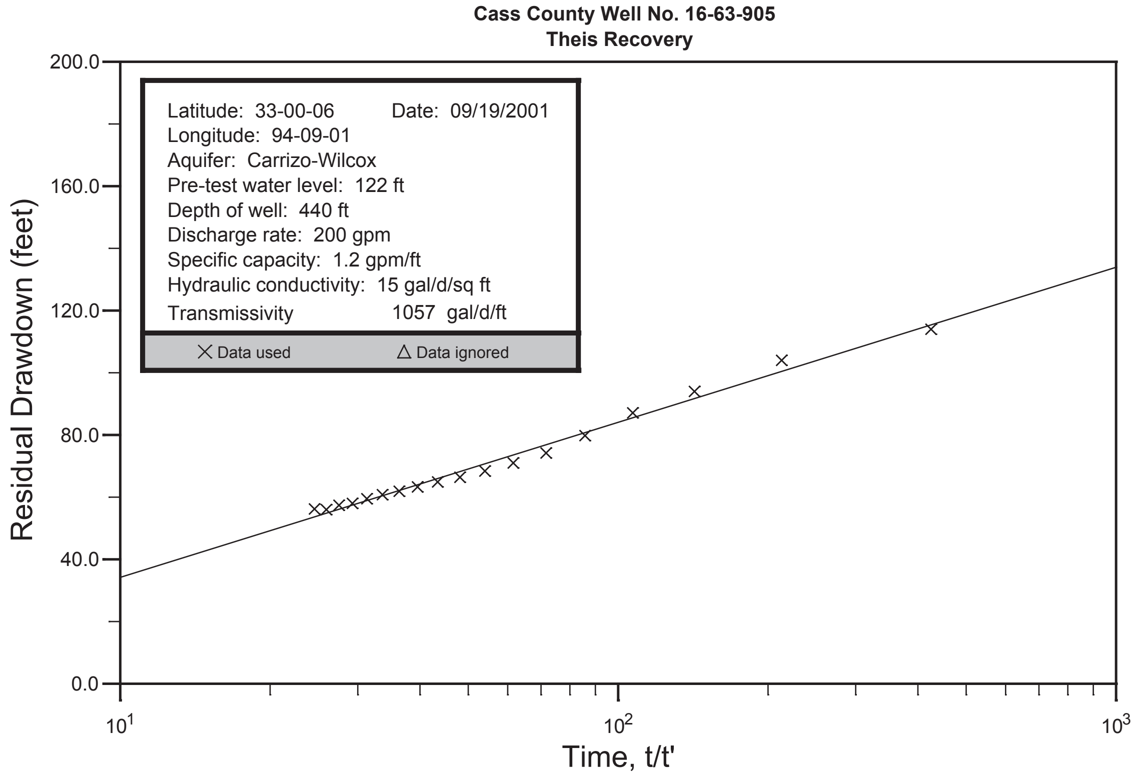

Carson County Well No. 06-36-910
Cooper and Jacob
Drawdown (feet)
Time (minutes)
90.0
72.0
54.0
36.0
18.0
0.0
10^{1}
10^{2}
10^{3}
10^{4}
Latitude: 35-23-50
Date: 03/09/1957
Longitude: 101-30-41
Aquifer: Ogallala
Pre-test water level: 355 ft
Depth of well: 801 ft
Pumping rate: 1500 gpm
Specific capacity: 19 gpm/ft
Hydraulic conductivity: 185 gal/d/sq ft
Transmissivity 53515 gal/d/ft
Data used
Data ignored

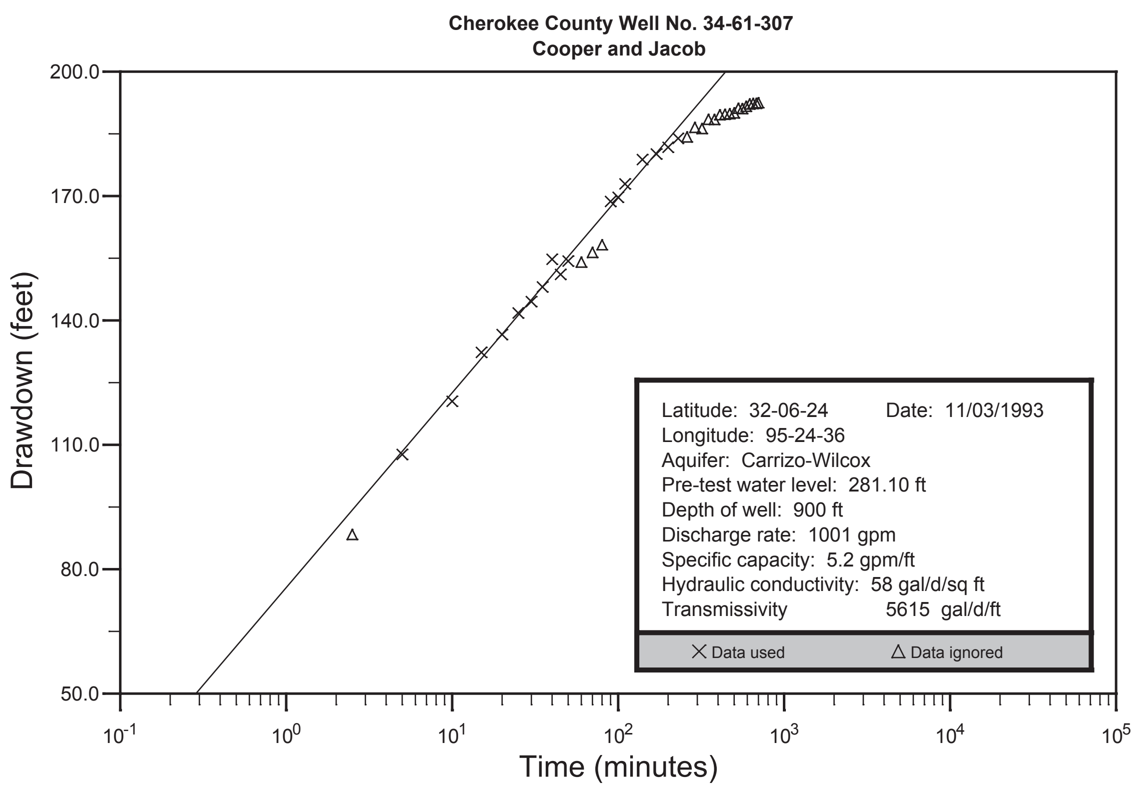

Carson County Well No. 06-39-708
Theis Recovery
Latitude: 35-23-25
Date: 03/30/2006
Longitude: 101-13-05
Aquifer: Ogallala
Pre-test water level: 383.73 ft
Depth of well: 599 ft
Discharge rate: Observation well for 06-39-712
Storativity: NA
Hydraulic conductivity: 218 gal/d/sq ft
Transmissivity 46807 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
Time, t/t'

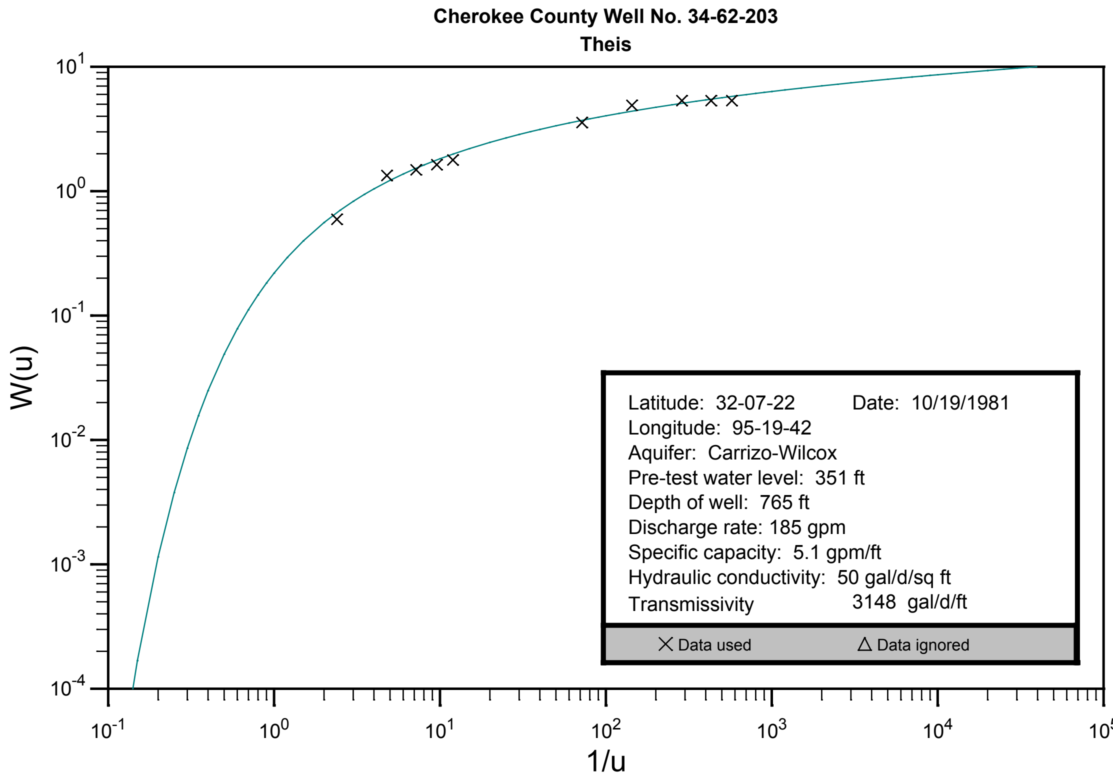

Carson County Well No. 06-39-712
Theis Recovery
Latitude: 35-23-26
Date: 03/30/2006
Longitude: 101-13-05
Aquifer: Ogallala
Pre-test water level: 385.2 ft
Depth of well: 652 ft
Discharge rate: 785 gpm
Specific capacity: 13 gpm/ft
Hydraulic conductivity: 235 gal/d/sq ft
Transmissivity 47074 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
Time, t/t'

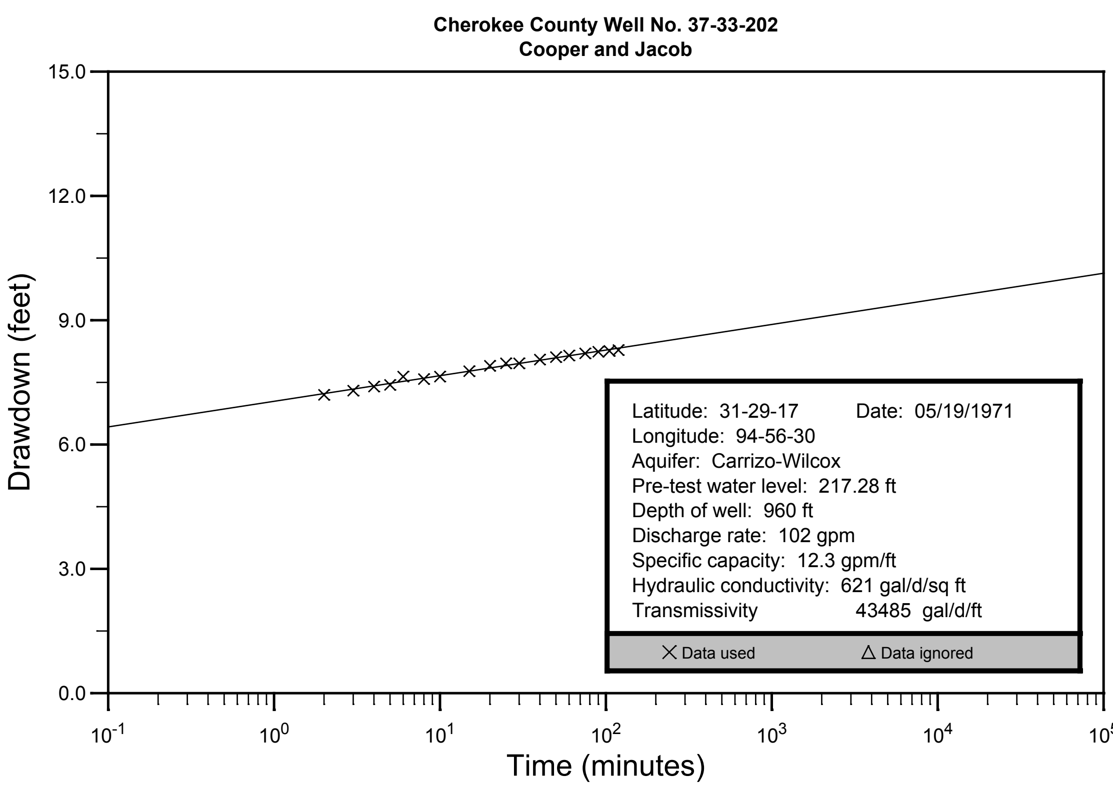

Cass County Well No. 16-63-804
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 30-01-29
Date: 04/27/2001
Longitude: 94-12-08
Aquifer: Carrizo-Wilcox
Pre-test water level: 232.08 ft
Depth of well: 750 ft
Discharge rate: 45 gpm
Specific capacity: 1.1 gpm/ft
Hydraulic conductivity: 175 gal/d/sq ft
Transmissivity 3501 gal/d/ft
Data used
Data ignored

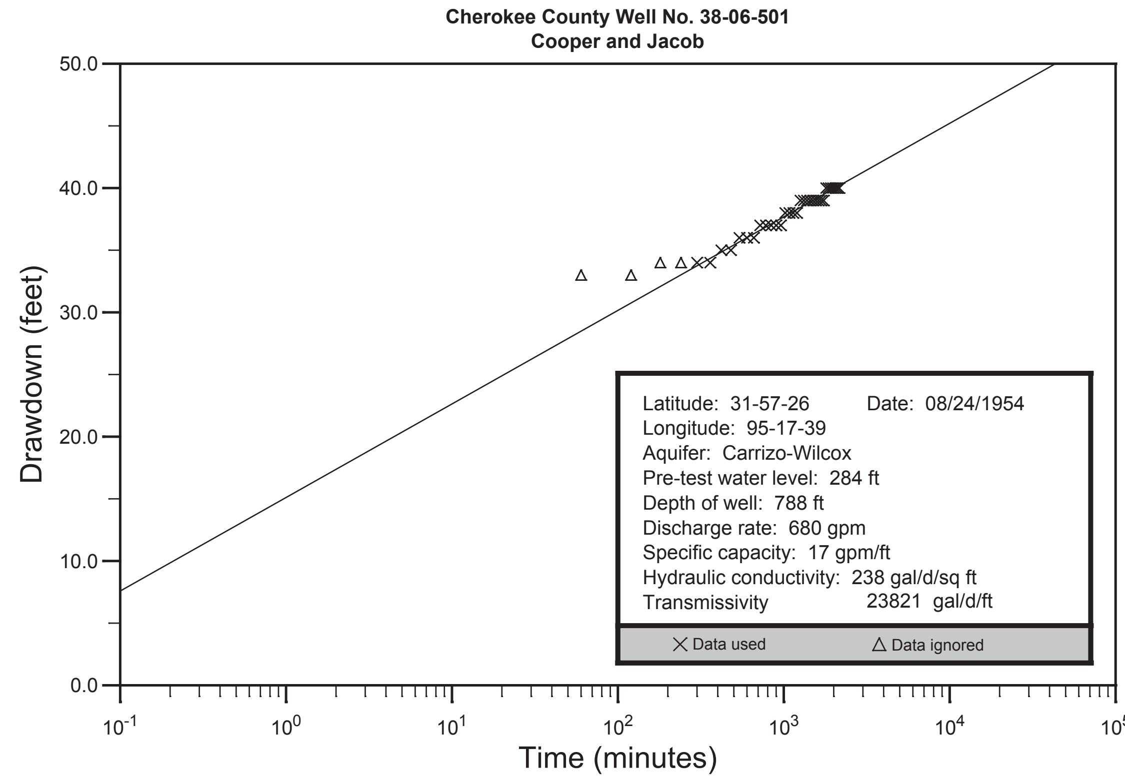

Cass County Well No. 16-63-805
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 33-01-29
Date: 06/27/2001
Longitude: 94-12-08
Aquifer: Carrizo-Wilcox
Pre-test water level: 227.92 ft
Depth of well: 775 ft
Discharge rate: 245 gpm
Specific capacity: 3.1 gpm/ft
Hydraulic conductivity: 286 gal/d/sq ft
Transmissivity 14293 gal/d/ft
Data used
Data ignored

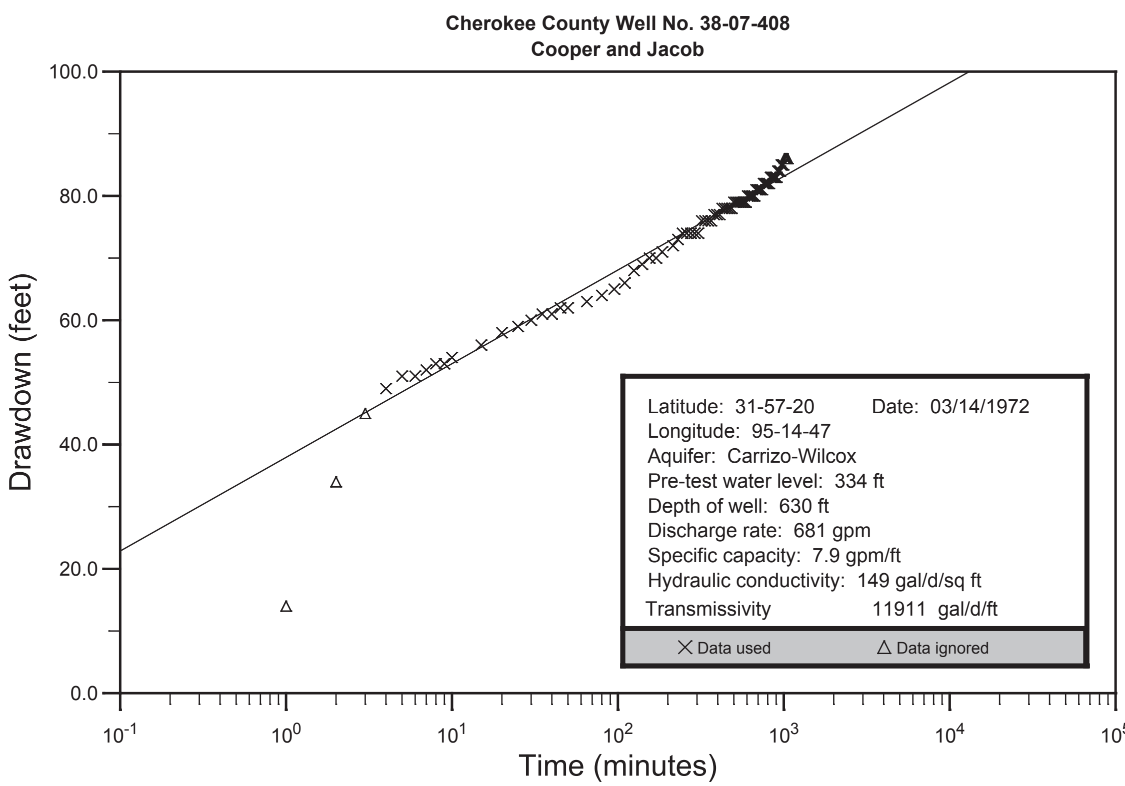

Cass County Well No. 16-63-905
Theis Recovery
Latitude: 33-00-06
Date: 09/19/2001
Longitude: 94-09-01
Aquifer: Carrizo-Wilcox
Pre-test water level: 122 ft
Depth of well: 440 ft
Discharge rate: 200 gpm
Specific capacity: 1.2 gpm/ft
Hydraulic conductivity: 15 gal/d/sq ft
Transmissivity 1057 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
Time, t/t'

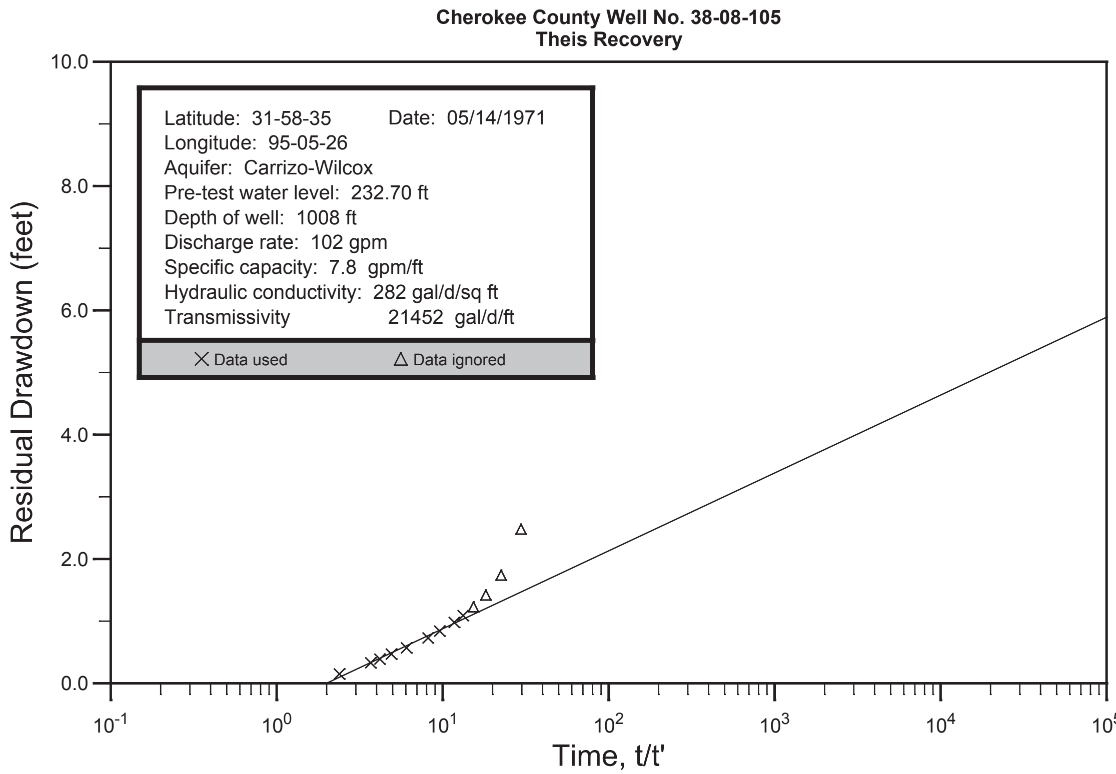

Cherokee County Well No. 34-61-307
Cooper and Jacob
Latitude: 32-06-24
Date: 11/03/1993
Longitude: 95-24-36
Aquifer: Carrizo-Wilcox
Pre-test water level: 281.10 ft
Depth of well: 900 ft
Discharge rate: 1001 gpm
Specific capacity: 5.2 gpm/ft
Hydraulic conductivity: 58 gal/d/sq ft
Transmissivity 5615 gal/d/ft
Data used
Data ignored
Drawdown (feet)
Time (minutes)

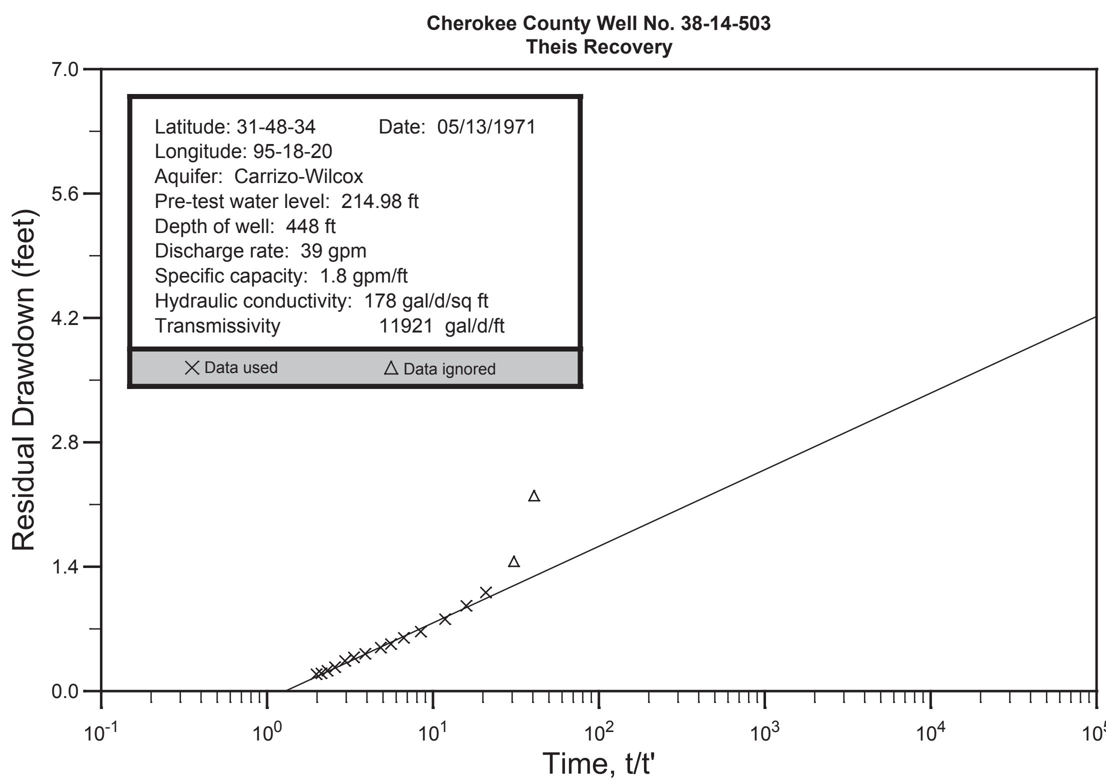

Cherokee County Well No. 34-62-203
Theis
W(u)
1/u
Latitude: 32-07-22
Date: 10/19/1981
Longitude: 95-19-42
Aquifer: Carrizo-Wilcox
Pre-test water level: 351 ft
Depth of well: 765 ft
Discharge rate: 185 gpm
Specific capacity: 5.1 gpm/ft
Hydraulic conductivity: 50 gal/d/sq ft
Transmissivity 3148 gal/d/ft
Data used
Data ignored

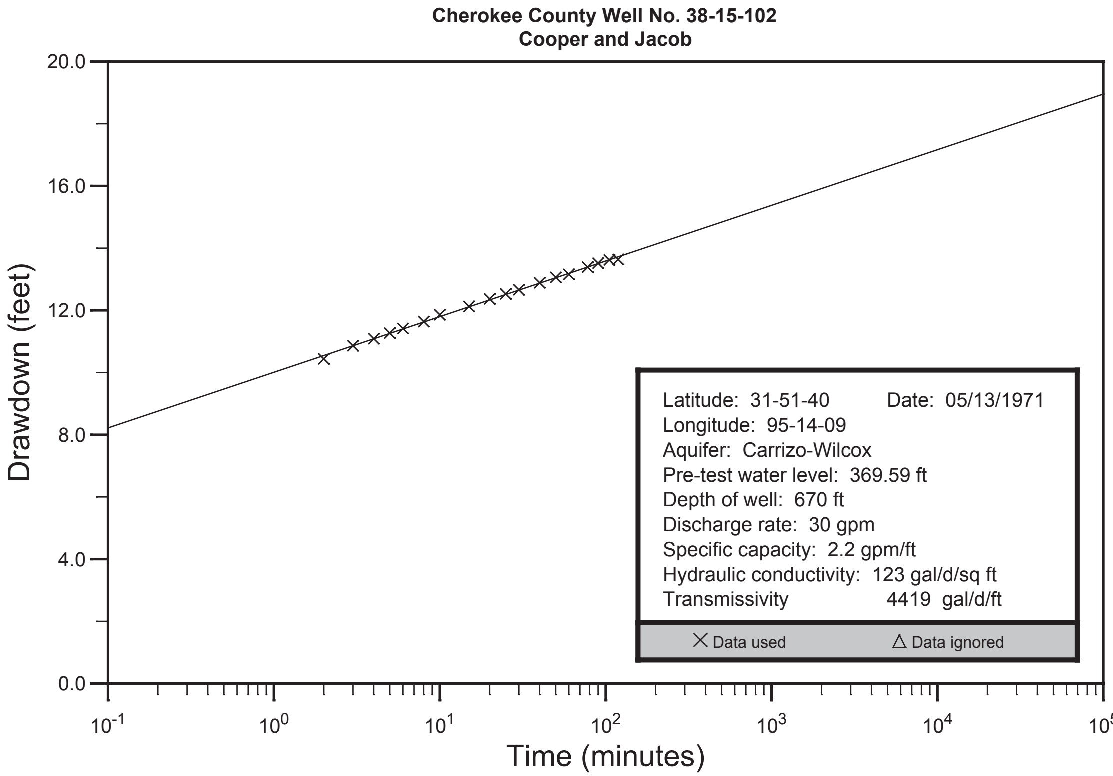

Cherokee County Well No. 37-33-202
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 31-29-17
Date: 05/19/1971
Longitude: 94-56-30
Aquifer: Carrizo-Wilcox
Pre-test water level: 217.28 ft
Depth of well: 960 ft
Discharge rate: 102 gpm
Specific capacity: 12.3 gpm/ft
Hydraulic conductivity: 621 gal/d/sq ft
Transmissivity 43485 gal/d/ft
Data used
Data ignored

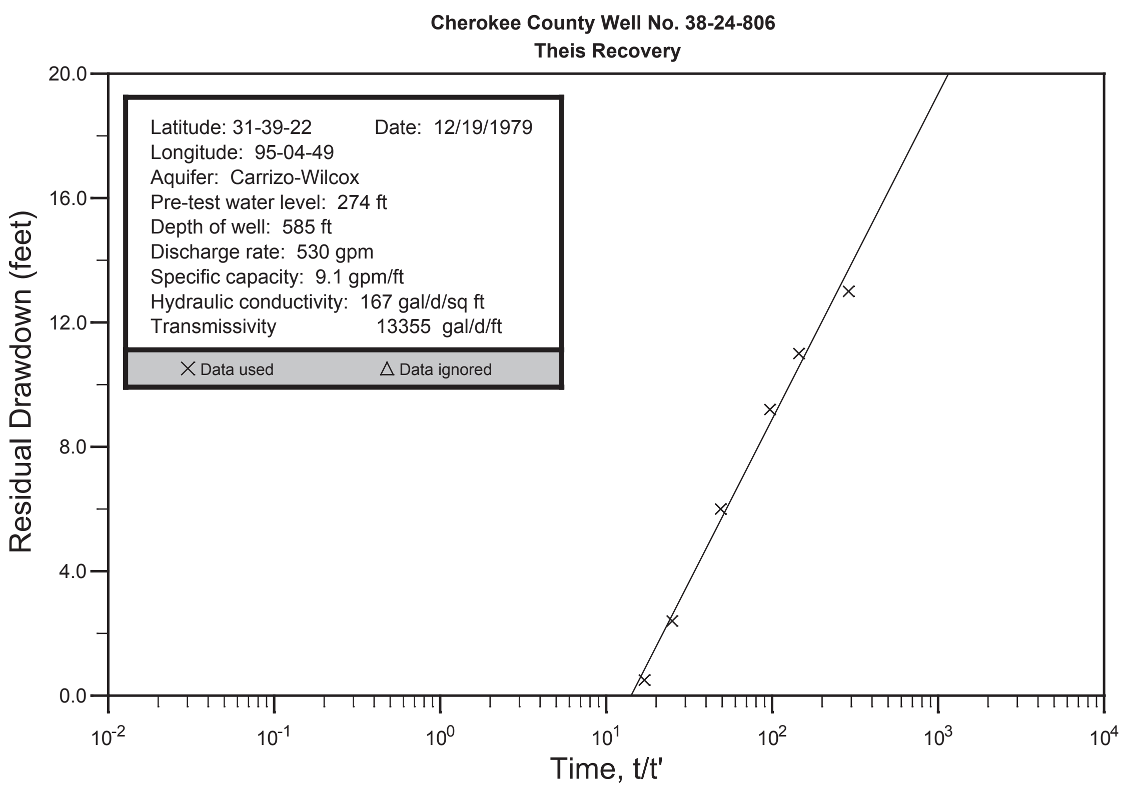

Cherokee County Well No. 38-06-501
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 31-57-26
Date: 08/24/1954
Longitude: 95-17-39
Aquifer: Carrizo-Wilcox
Pre-test water level: 284 ft
Depth of well: 788 ft
Discharge rate: 680 gpm
Specific capacity: 17 gpm/ft
Hydraulic conductivity: 238 gal/d/sq ft
Transmissivity 23821 gal/d/ft
Data used
Data ignored

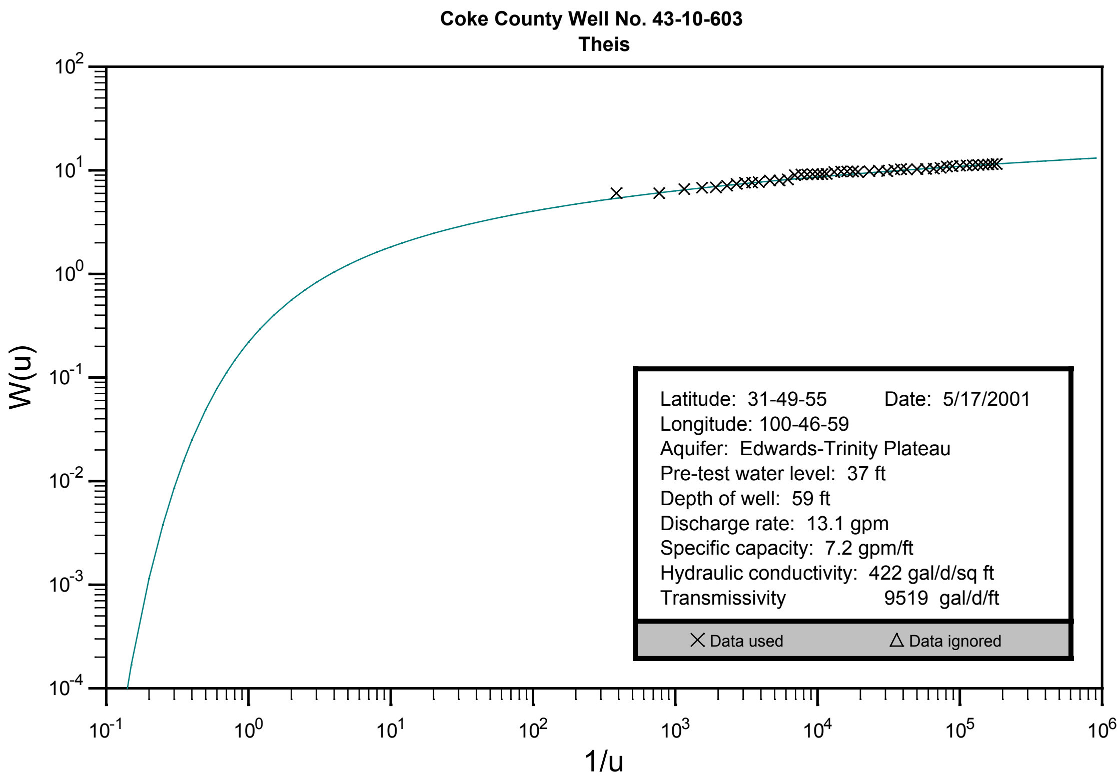

Cherokee County Well No. 38-07-408
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 31-57-20
Date: 03/14/1972
Longitude: 95-14-47
Aquifer: Carrizo-Wilcox
Pre-test water level: 334 ft
Depth of well: 630 ft
Discharge rate: 681 gpm
Specific capacity: 7.9 gpm/ft
Hydraulic conductivity: 149 gal/d/sq ft
Transmissivity 11911 gal/d/ft
Data used
Data ignored

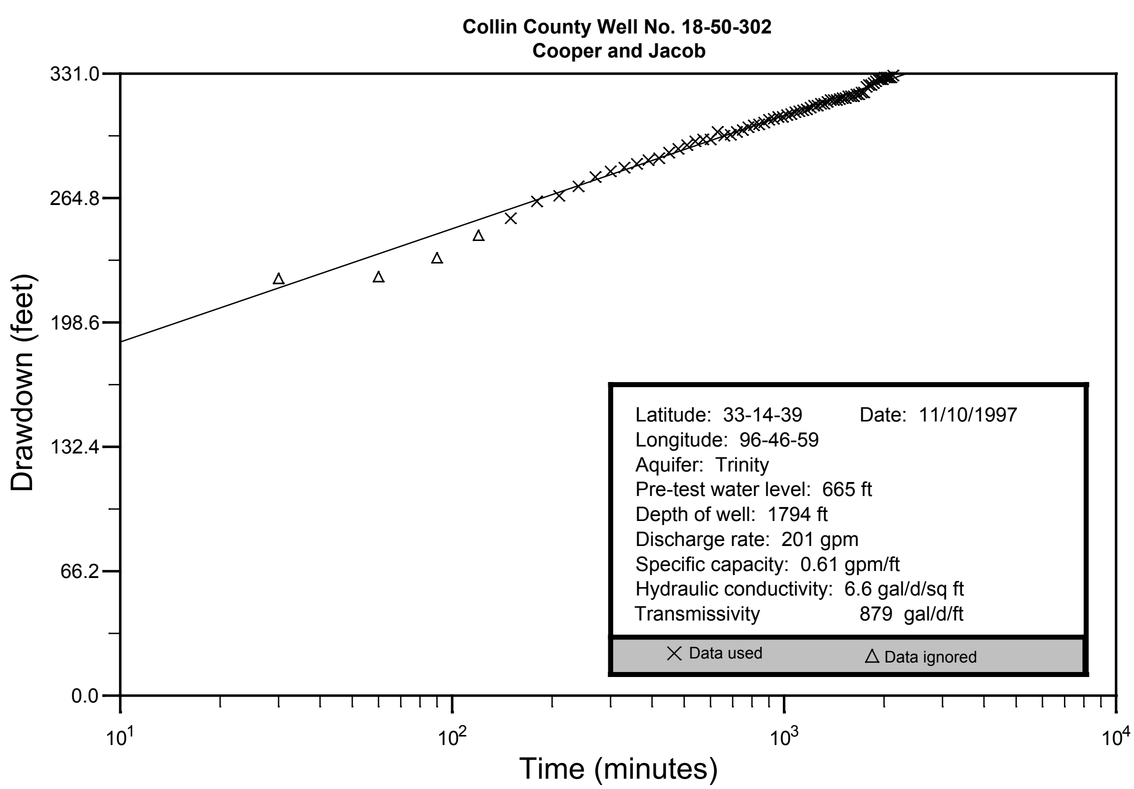

Cherokee County Well No. 38-08-105
Theis Recovery
Latitude: 31-58-35
Date: 05/14/1971
Longitude: 95-05-26
Aquifer: Carrizo-Wilcox
Pre-test water level: 232.70 ft
Depth of well: 1008 ft
Discharge rate: 102 gpm
Specific capacity: 7.8 gpm/ft
Hydraulic conductivity: 282 gal/d/sq ft
Transmissivity 21452 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
Time, t/t'

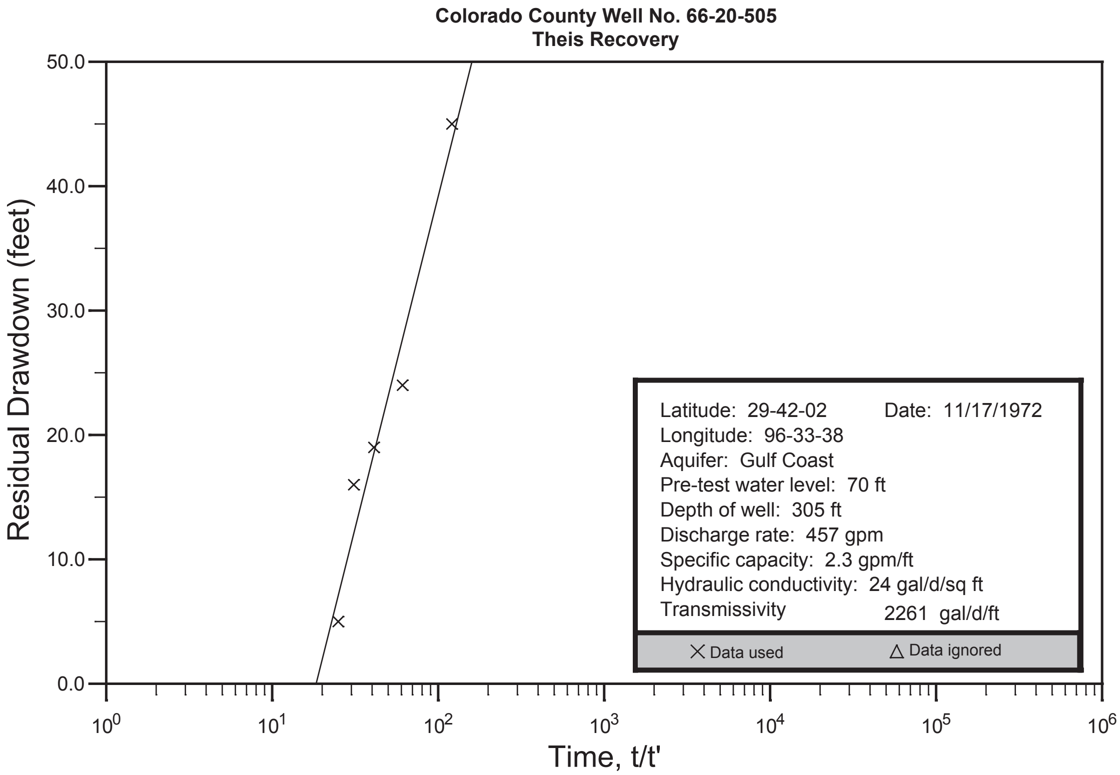

Cherokee County Well No. 38-14-503
Theis Recovery
Latitude: 31-48-34
Date: 05/13/1971
Longitude: 95-18-20
Aquifer: Carrizo-Wilcox
Pre-test water level: 214.98 ft
Depth of well: 448 ft
Discharge rate: 39 gpm
Specific capacity: 1.8 gpm/ft
Hydraulic conductivity: 178 gal/d/sq ft
Transmissivity 11921 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
Time, t/t'

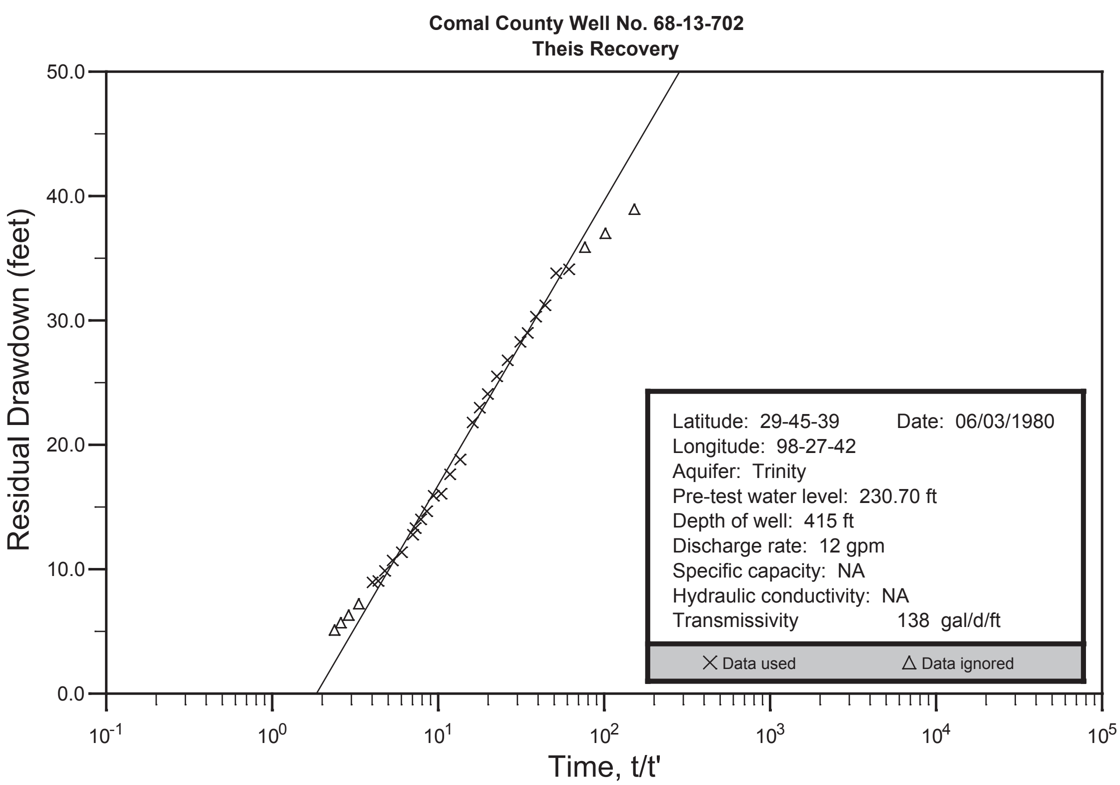

Cherokee County Well No. 38-15-102
Cooper and Jacob
Drawdown (feet)
20.0
16.0
12.0
8.0
4.0
0.0
Latitude: 31-51-40
Date: 05/13/1971
Longitude: 95-14-09
Aquifer: Carrizo-Wilcox
Pre-test water level: 369.59 ft
Depth of well: 670 ft
Discharge rate: 30 gpm
Specific capacity: 2.2 gpm/ft
Hydraulic conductivity: 123 gal/d/sq ft
Transmissivity 4419 gal/d/ft
Data used
Data ignored
10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5}
Time (minutes)

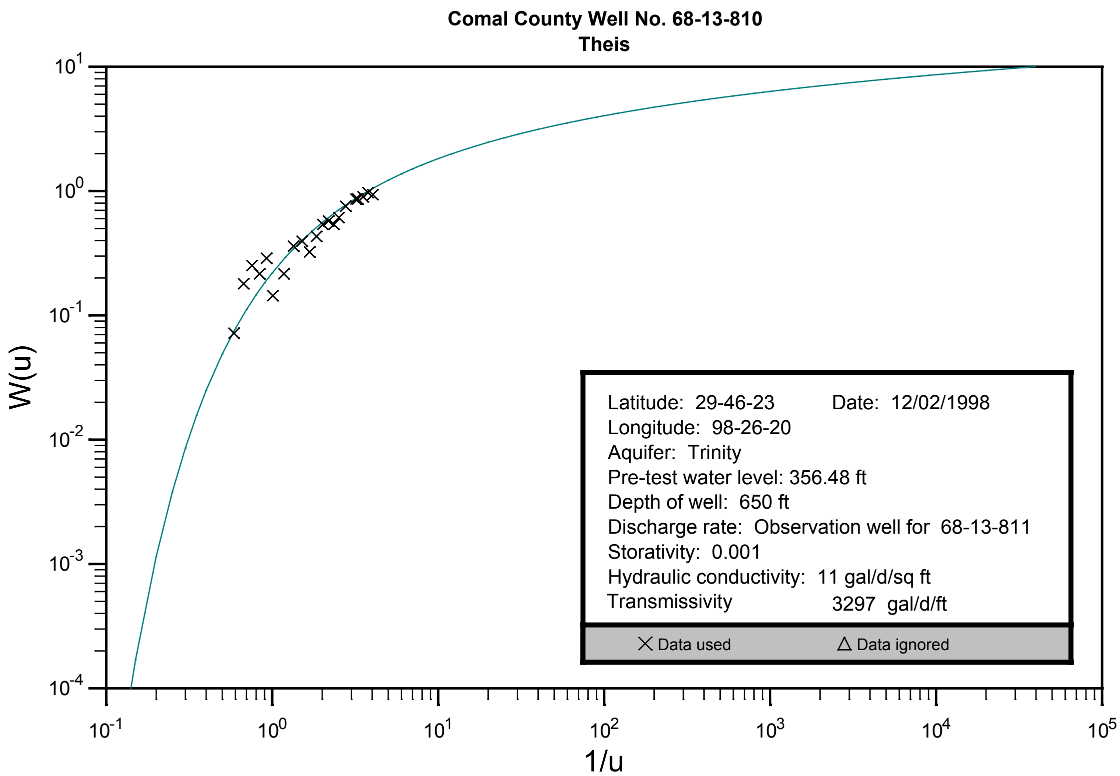

Cherokee County Well No. 38-24-806
Theis Recovery
Residual Drawdown (feet)
20.0
16.0
12.0
8.0
4.0
0.0
Latitude: 31-39-22
Date: 12/19/1979
Longitude: 95-04-49
Aquifer: Carrizo-Wilcox
Pre-test water level: 274 ft
Depth of well: 585 ft
Discharge rate: 530 gpm
Specific capacity: 9.1 gpm/ft
Hydraulic conductivity: 167 gal/d/sq ft
Transmissivity 13355 gal/d/ft
Data used
Data ignored
10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4}
Time, t/t'


Coke County Well No. 43-10-603
Theis
W(u)
1/u
Latitude: 31-49-55 Date: 5/17/2001
Longitude: 100-46-59
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 37 ft
Depth of well: 59 ft
Discharge rate: 13.1 gpm
Specific capacity: 7.2 gpm/ft
Hydraulic conductivity: 422 gal/d/sq ft
Transmissivity 9519 gal/d/ft
Data used
Data ignored

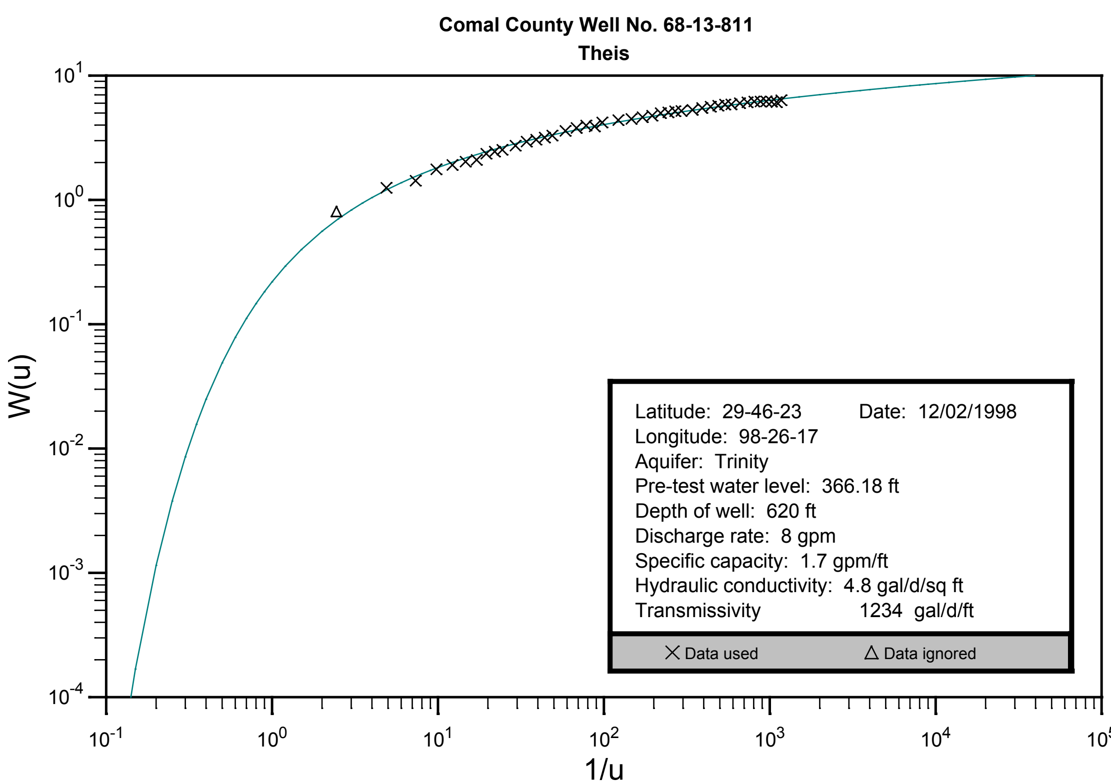

Collin County Well No. 18-50-302
Cooper and Jacob
Drawdown (feet)
Time (minutes)
331.0
264.8
198.6
132.4
66.2
0.0
Latitude: 33-14-39 Date: 11/10/1997
Longitude: 96-46-59
Aquifer: Trinity
Pre-test water level: 665 ft
Depth of well: 1794 ft
Discharge rate: 201 gpm
Specific capacity: 0.61 gpm/ft
Hydraulic conductivity: 6.6 gal/d/sq ft
Transmissivity 879 gal/d/ft
Data used
Data ignored


Colorado County Well No. 66-20-505
Theis Recovery
Residual Drawdown (feet)
Time, t/t'
Latitude: 29-42-02
Date: 11/17/1972
Longitude: 96-33-38
Aquifer: Gulf Coast
Pre-test water level: 70 ft
Depth of well: 305 ft
Discharge rate: 457 gpm
Specific capacity: 2.3 gpm/ft
Hydraulic conductivity: 24 gal/d/sq ft
Transmissivity 2261 gal/d/ft
Data used
Data ignored

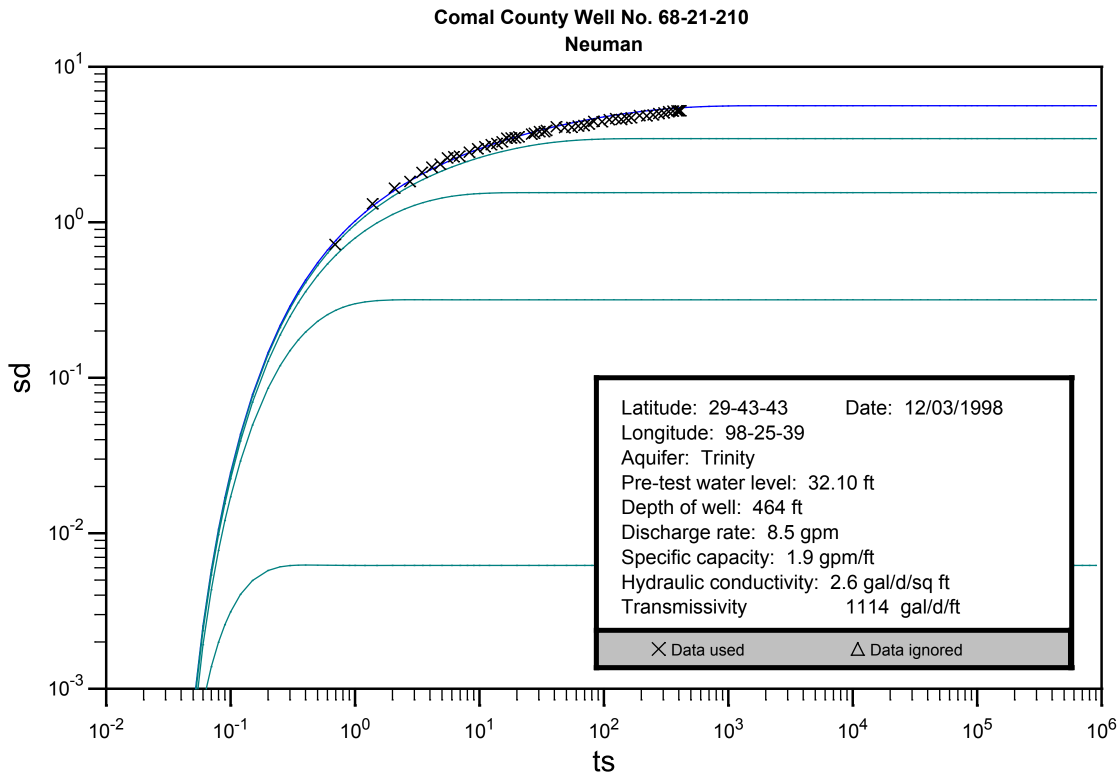

Comal County Well No. 68-13-702
Theis Recovery
Residual Drawdown (feet)
Time, t/t'
Latitude: 29-45-39
Date: 06/03/1980
Longitude: 98-27-42
Aquifer: Trinity
Pre-test water level: 230.70 ft
Depth of well: 415 ft
Discharge rate: 12 gpm
Specific capacity: NA
Hydraulic conductivity: NA
Transmissivity 138 gal/d/ft
Data used
Data ignored

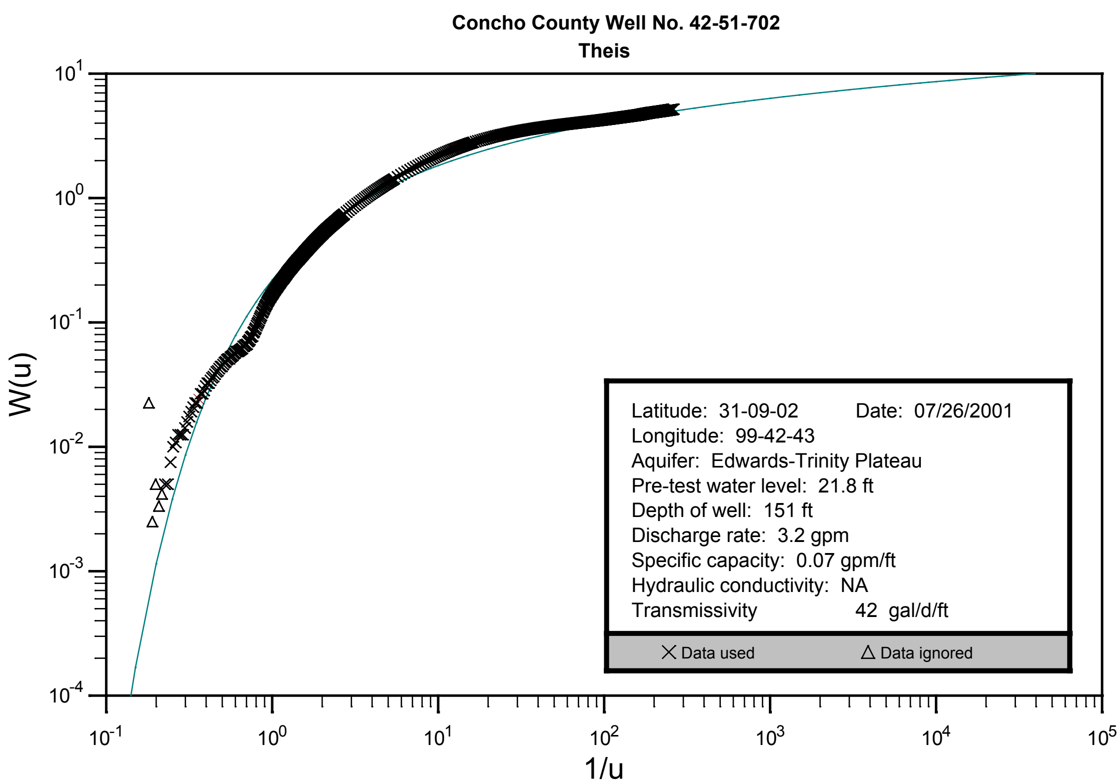


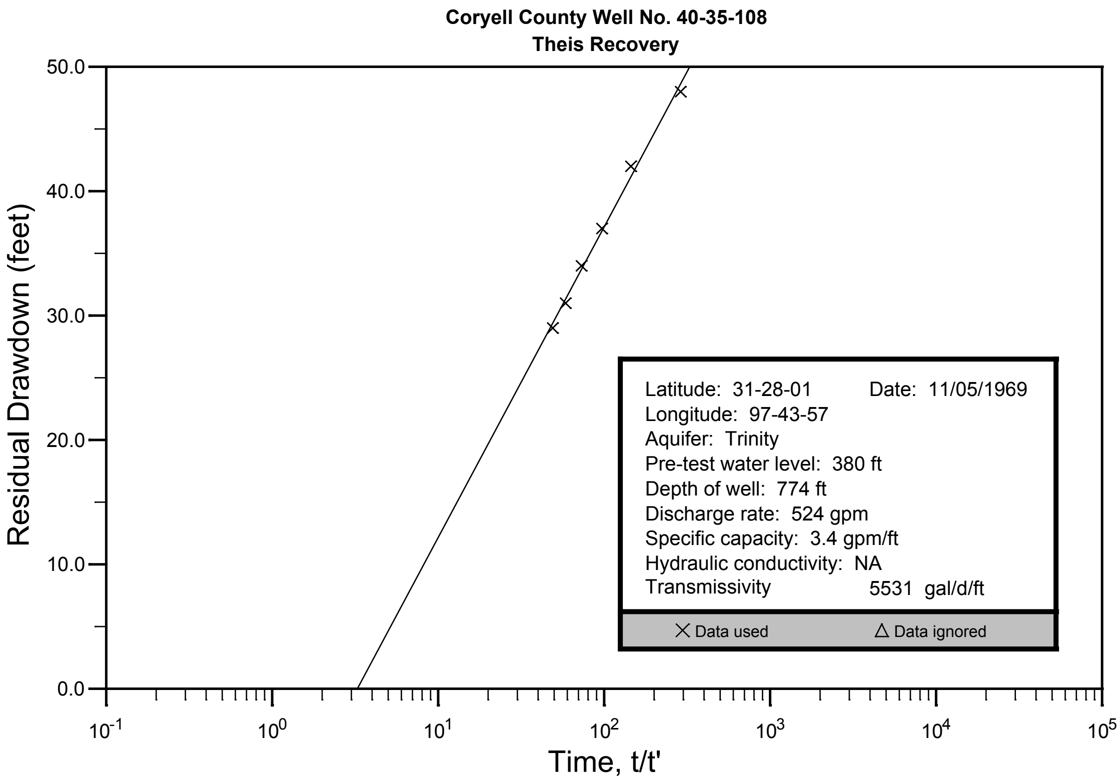
Comal County Well No. 68-13-810
Theis
W(u)
1/u
Latitude: 29-46-23 Date: 12/02/1998
Longitude: 98-26-20
Aquifer: Trinity
Pre-test water level: 356.48 ft
Depth of well: 650 ft
Discharge rate: Observation well for 68-13-811
Storativity: 0.001
Hydraulic conductivity: 11 gal/d/sq ft
Transmissivity 3297 gal/d/ft
Data used
Data ignored

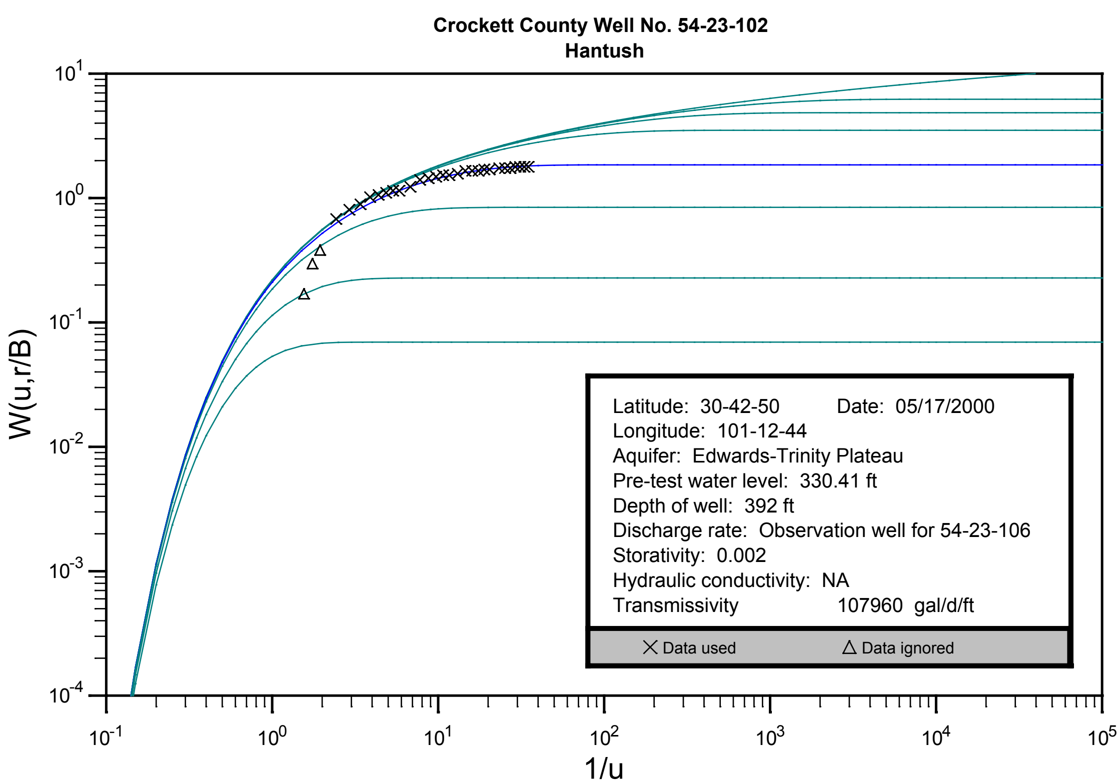


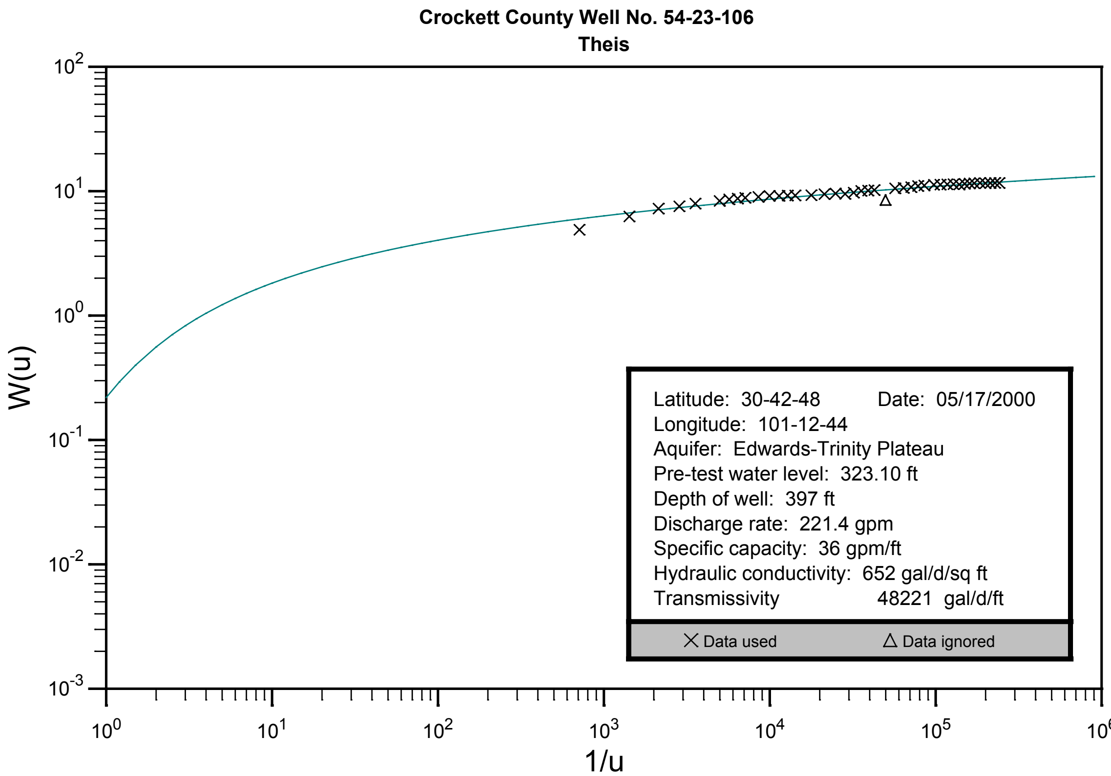
Comal County Well No. 68-13-811
Theis
W(u)
1/u
Latitude: 29-46-23 Date: 12/02/1998
Longitude: 98-26-17
Aquifer: Trinity
Pre-test water level: 366.18 ft
Depth of well: 620 ft
Discharge rate: 8 gpm
Specific capacity: 1.7 gpm/ft
Hydraulic conductivity: 4.8 gal/d/sq ft
Transmissivity 1234 gal/d/ft
Data used
Data ignored

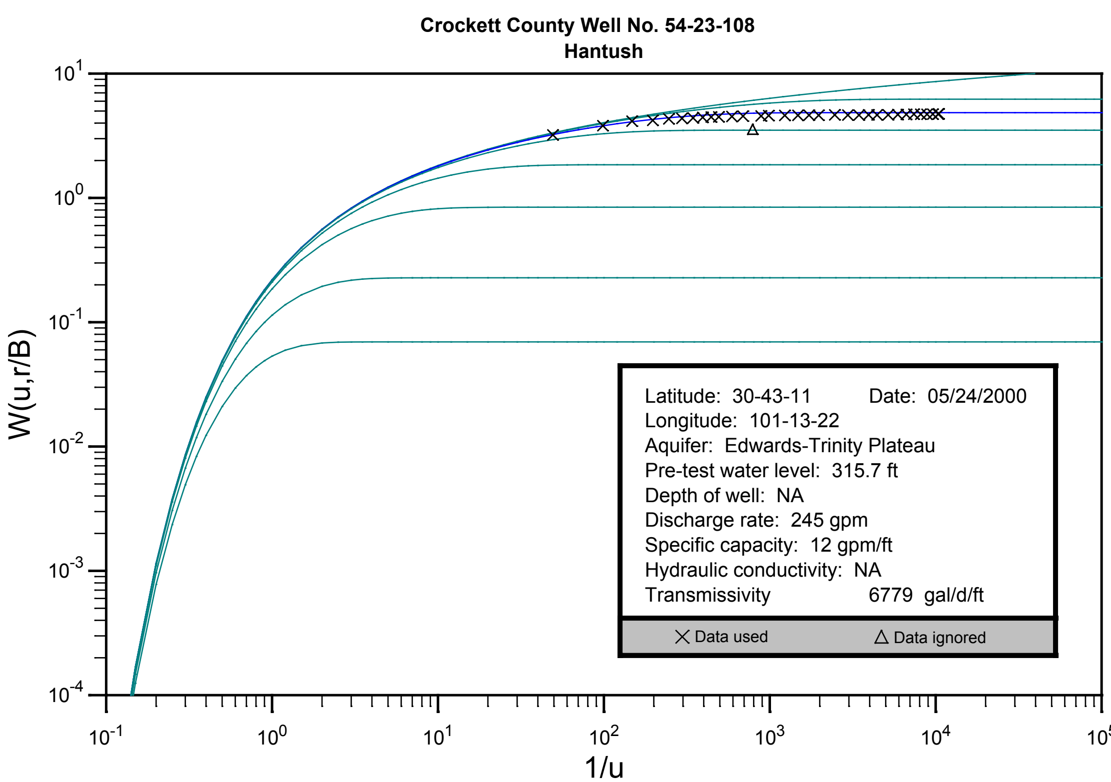

Comal County Well No. 68-21-210
Neuman
sd
ts
Latitude: 29-43-43
Date: 12/03/1998
Longitude: 98-25-39
Aquifer: Trinity
Pre-test water level: 32.10 ft
Depth of well: 464 ft
Discharge rate: 8.5 gpm
Specific capacity: 1.9 gpm/ft
Hydraulic conductivity: 2.6 gal/d/sq ft
Transmissivity 1114 gal/d/ft
Data used
Data ignored

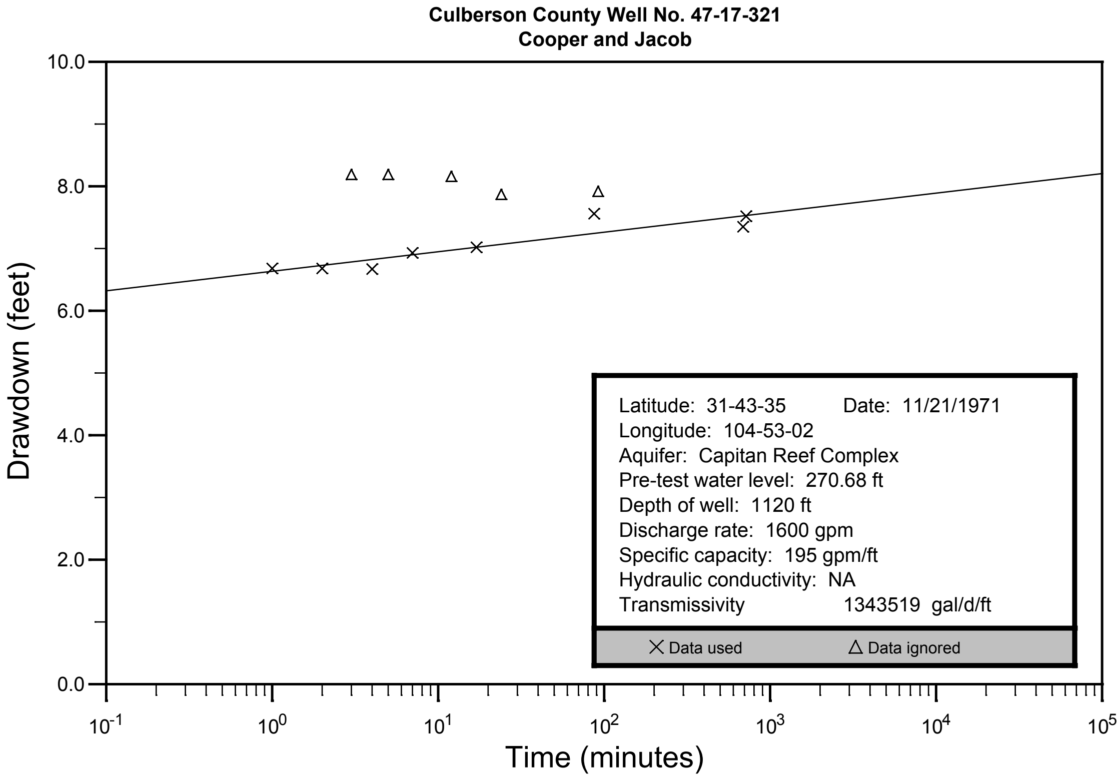

Concho County Well No. 42-51-702
Theis
W(u)
1/u
Latitude: 31-09-02
Date: 07/26/2001
Longitude: 99-42-43
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 21.8 ft
Depth of well: 151 ft
Discharge rate: 3.2 gpm
Specific capacity: 0.07 gpm/ft
Hydraulic conductivity: NA
Transmissivity 42 gal/d/ft
Data used
Data ignored


Coryell County Well No. 40-35-108
Theis Recovery
Residual Drawdown (feet)
Time, t/t'
Latitude: 31-28-01
Date: 11/05/1969
Longitude: 97-43-57
Aquifer: Trinity
Pre-test water level: 380 ft
Depth of well: 774 ft
Discharge rate: 524 gpm
Specific capacity: 3.4 gpm/ft
Hydraulic conductivity: NA
Transmissivity 5531 gal/d/ft
Data used
Data ignored

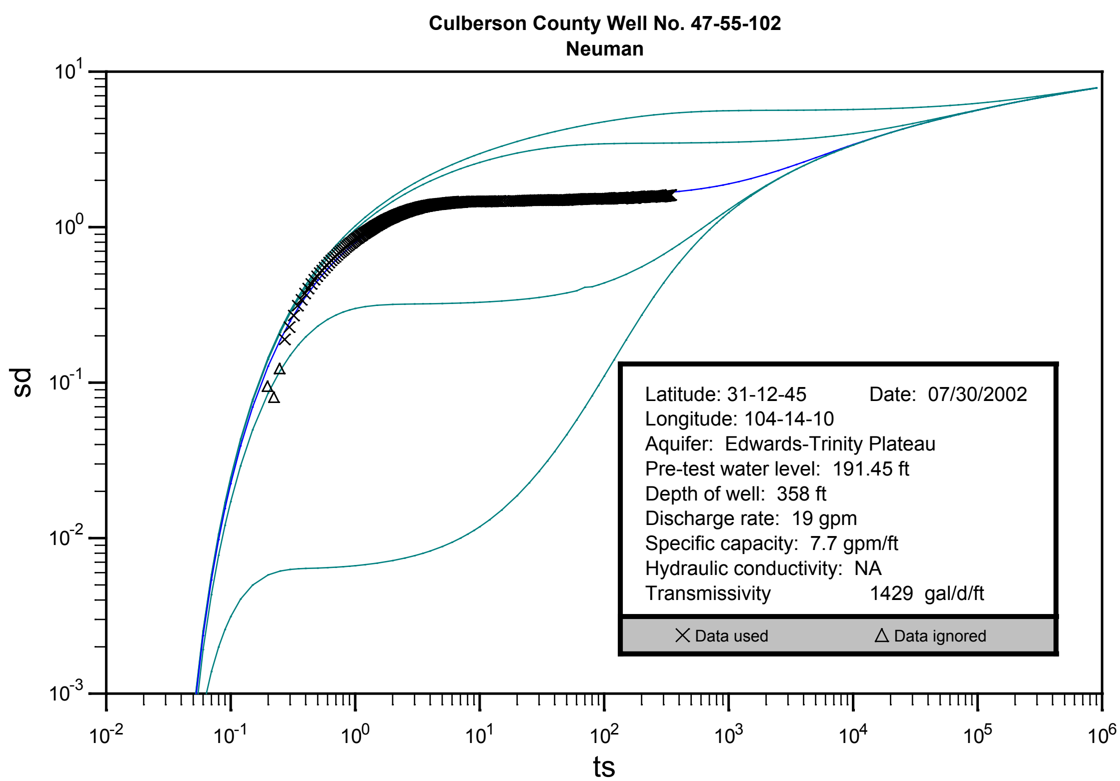

Crockett County Well No. 54-23-102
Hantush
W(u,r/B)
1/u
Latitude: 30-42-50
Date: 05/17/2000
Longitude: 101-12-44
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 330.41 ft
Depth of well: 392 ft
Discharge rate: Observation well for 54-23-106
Storativity: 0.002
Hydraulic conductivity: NA
Transmissivity 107960 gal/d/ft
Data used
Data ignored


Crockett County Well No. 54-23-106
Theis
W(u)
1/u
Latitude: 30-42-48 Date: 05/17/2000
Longitude: 101-12-44
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 323.10 ft
Depth of well: 397 ft
Discharge rate: 221.4 gpm
Specific capacity: 36 gpm/ft
Hydraulic conductivity: 652 gal/d/sq ft
Transmissivity 48221 gal/d/ft
Data used
Data ignored

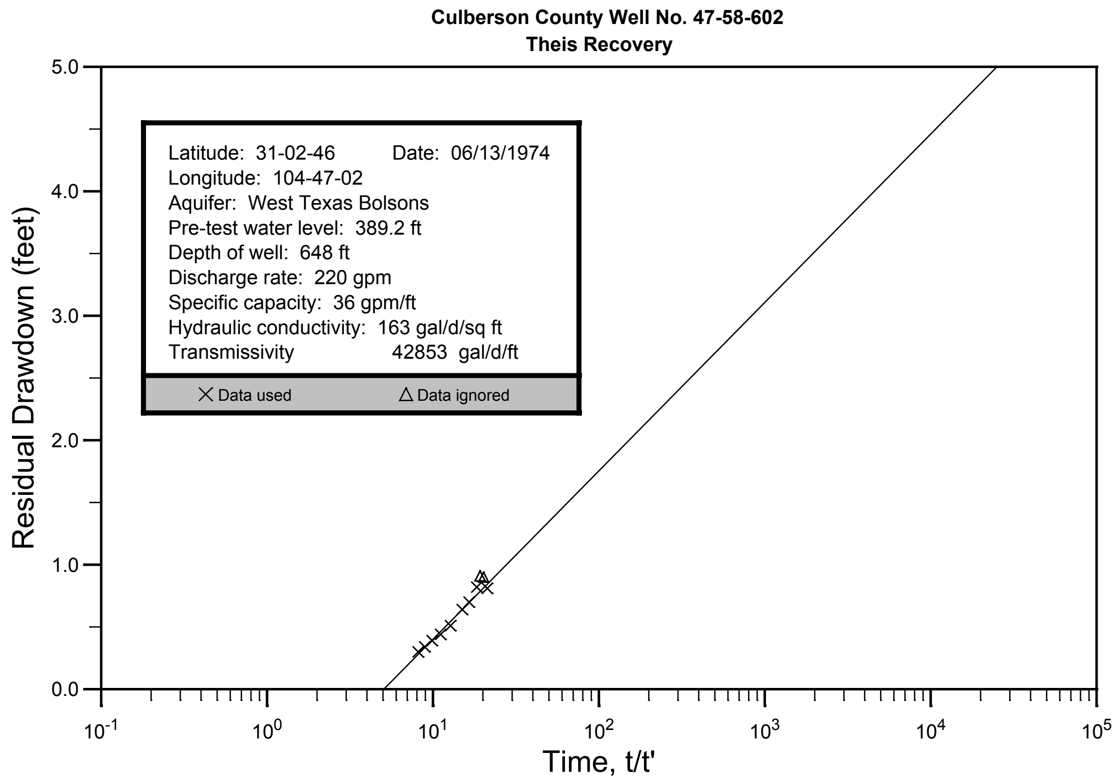

Crockett County Well No. 54-23-108
Hantush
W(u,r/B)
1/u
Latitude: 30-43-11 Date: 05/24/2000
Longitude: 101-13-22
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 315.7 ft
Depth of well: NA
Discharge rate: 245 gpm
Specific capacity: 12 gpm/ft
Hydraulic conductivity: NA
Transmissivity 6779 gal/d/ft
Data used
Data ignored

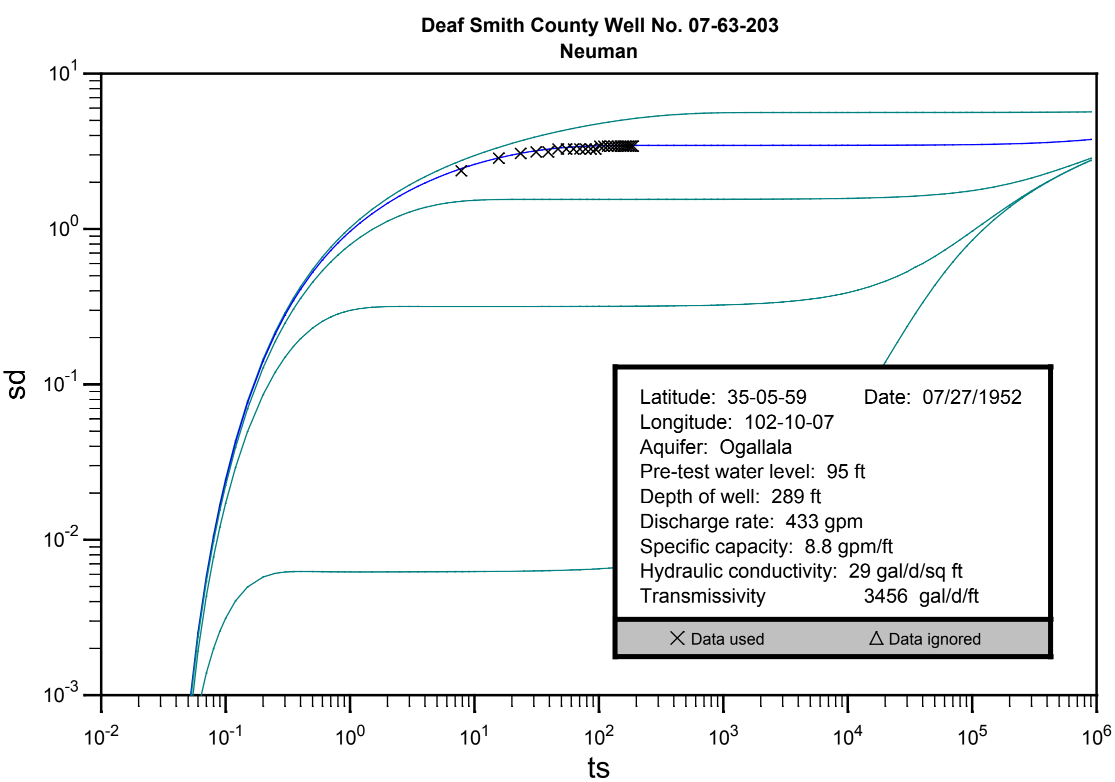


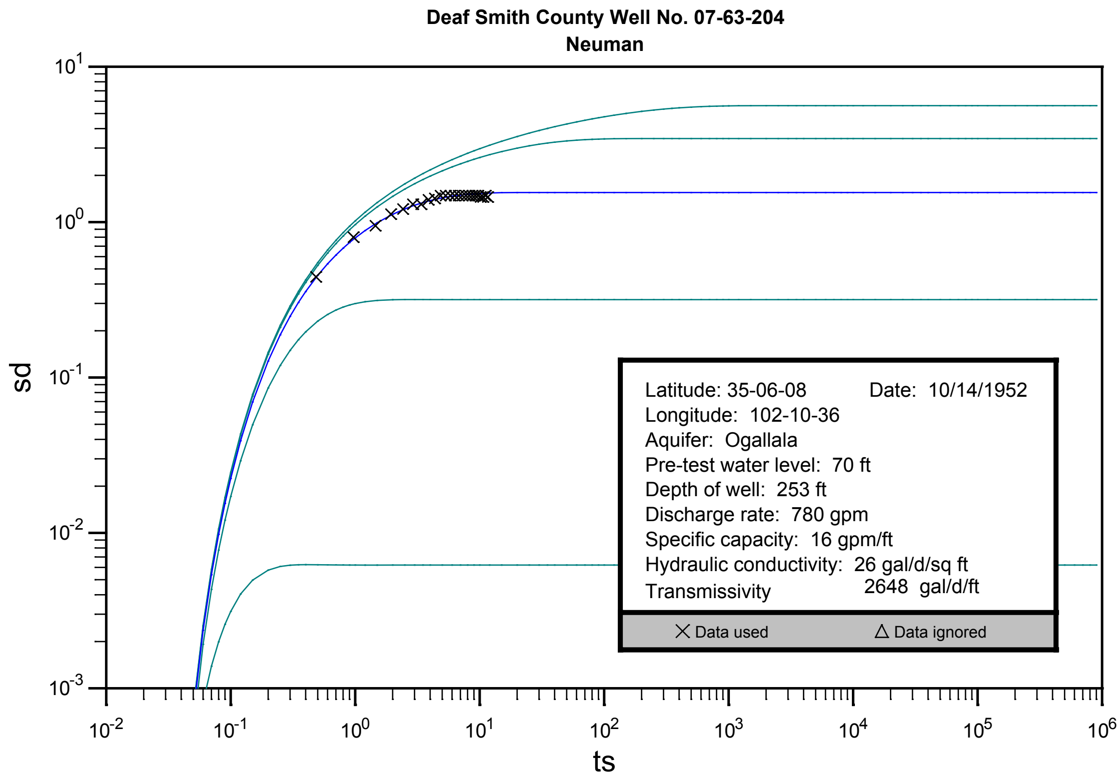
Culberson County Well No. 47-17-321
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 31-43-35
Date: 11/21/1971
Longitude: 104-53-02
Aquifer: Capitan Reef Complex
Pre-test water level: 270.68 ft
Depth of well: 1120 ft
Discharge rate: 1600 gpm
Specific capacity: 195 gpm/ft
Hydraulic conductivity: NA
Transmissivity 1343519 gal/d/ft
Data used
Data ignored

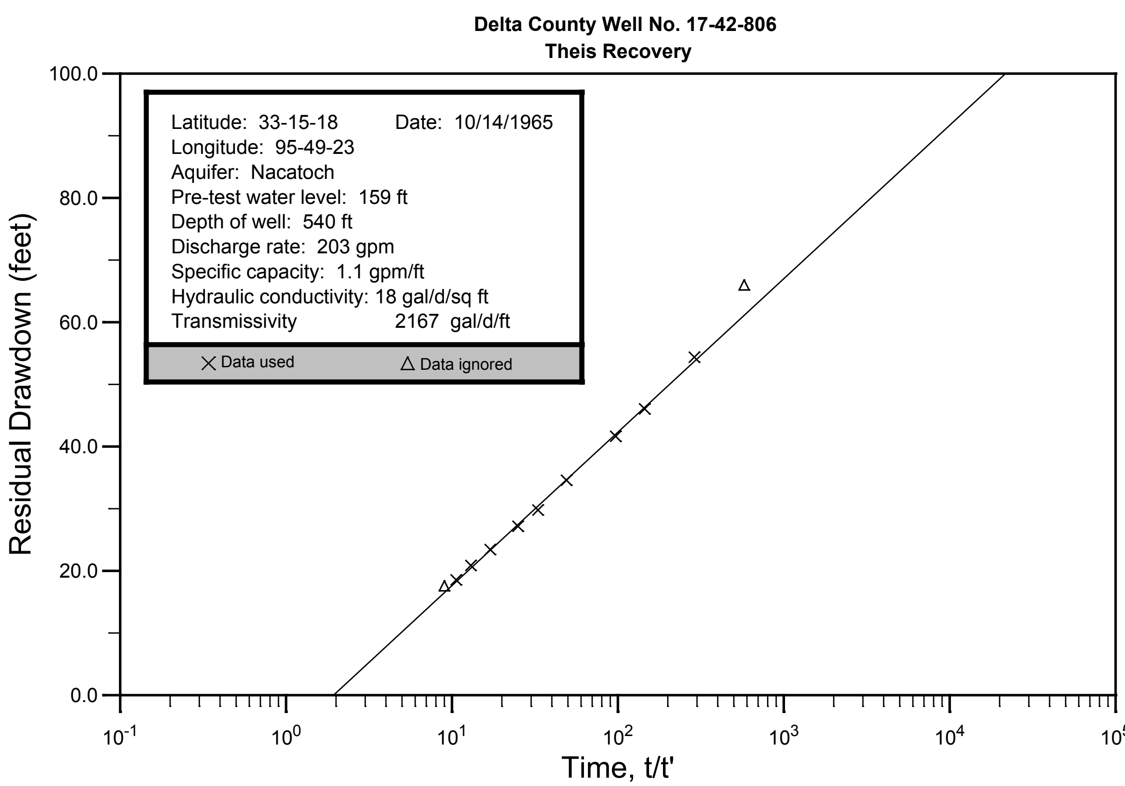


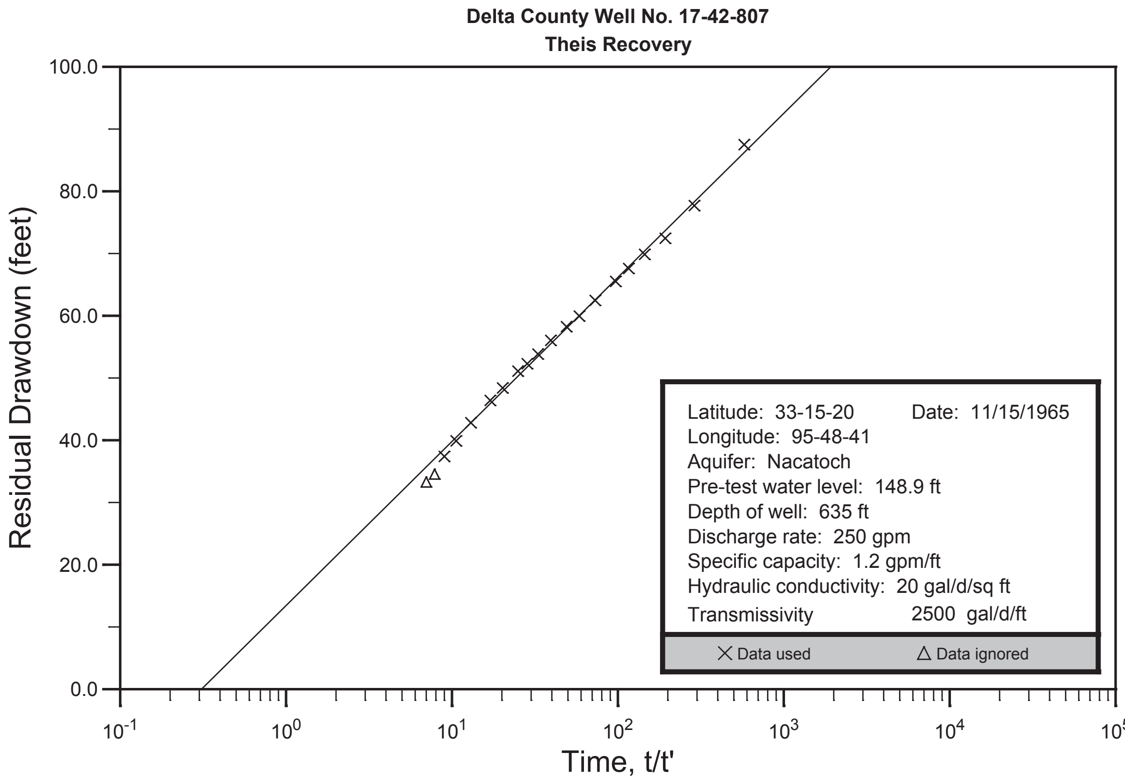
Culberson County Well No. 47-55-102
Neuman
sd
ts
Latitude: 31-12-45
Date: 07/30/2002
Longitude: 104-14-10
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 191.45 ft
Depth of well: 358 ft
Discharge rate: 19 gpm
Specific capacity: 7.7 gpm/ft
Hydraulic conductivity: NA
Transmissivity 1429 gal/d/ft
Data used
Data ignored

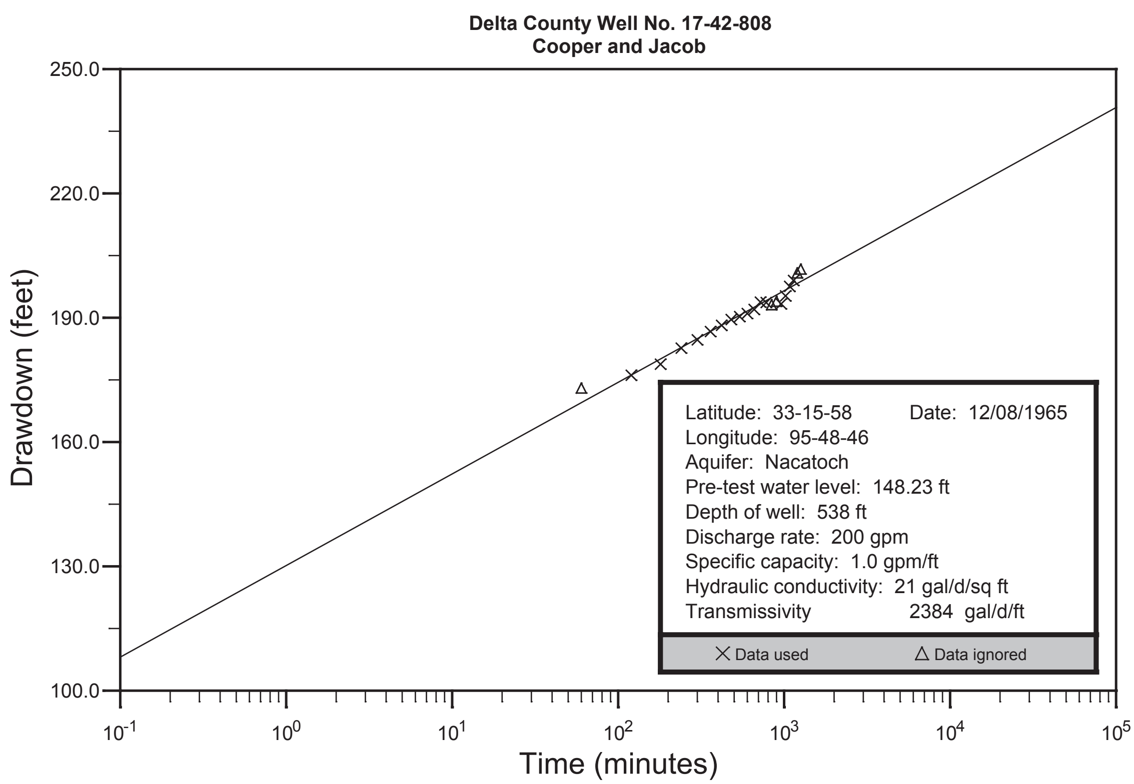

Culberson County Well No. 47-58-602
Theis Recovery
Latitude: 31-02-46
Date: 06/13/1974
Longitude: 104-47-02
Aquifer: West Texas Bolsons
Pre-test water level: 389.2 ft
Depth of well: 648 ft
Discharge rate: 220 gpm
Specific capacity: 36 gpm/ft
Hydraulic conductivity: 163 gal/d/sq ft
Transmissivity 42853 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
Time, t/t'

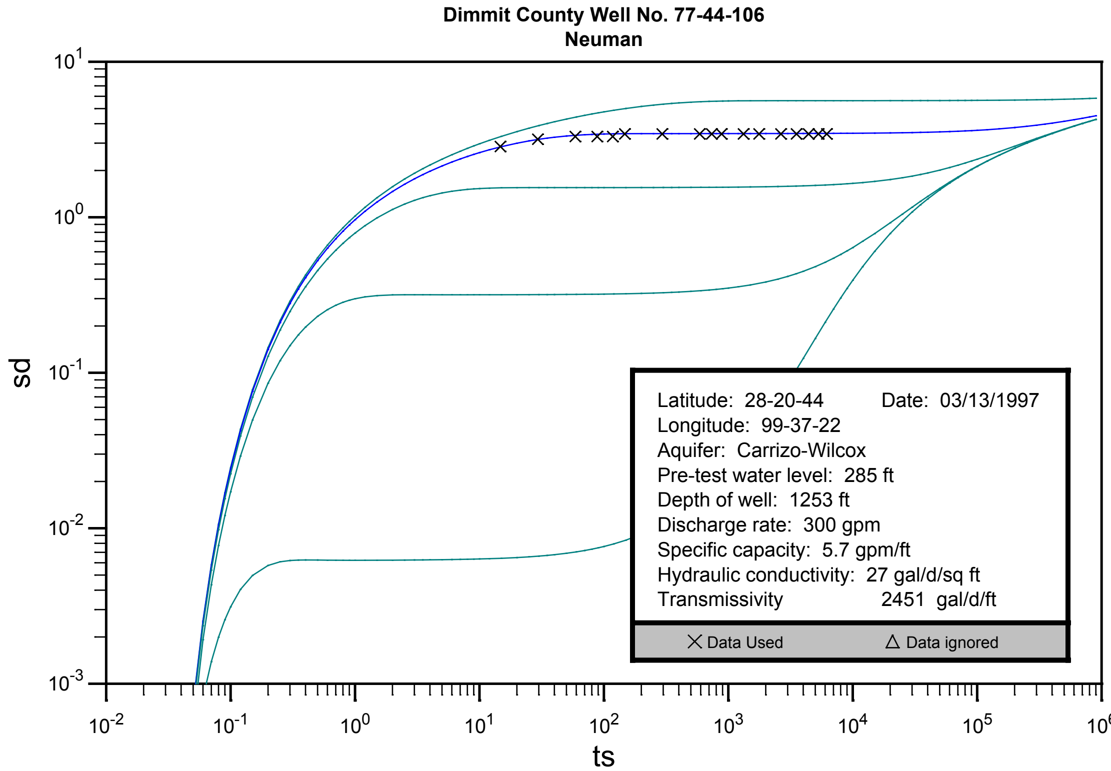

Deaf Smith County Well No. 07-63-203
Neuman
Latitude: 35-05-59
Date: 07/27/1952
Longitude: 102-10-07
Aquifer: Ogallala
Pre-test water level: 95 ft
Depth of well: 289 ft
Discharge rate: 433 gpm
Specific capacity: 8.8 gpm/ft
Hydraulic conductivity: 29 gal/d/sq ft
Transmissivity 3456 gal/d/ft
Data used
Data ignored
sd
ts

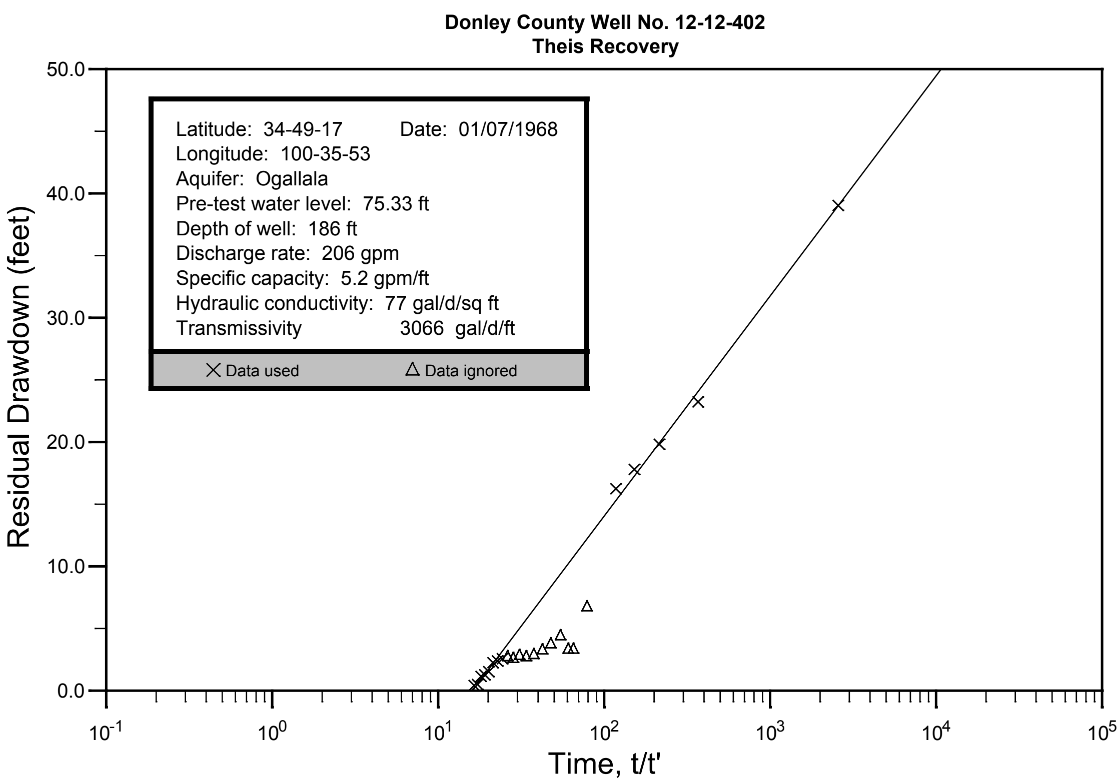

Deaf Smith County Well No. 07-63-204
Neuman
sd
ts
Latitude: 35-06-08
Date: 10/14/1952
Longitude: 102-10-36
Aquifer: Ogallala
Pre-test water level: 70 ft
Depth of well: 253 ft
Discharge rate: 780 gpm
Specific capacity: 16 gpm/ft
Hydraulic conductivity: 26 gal/d/sq ft
Transmissivity 2648 gal/d/ft
Data used
Data ignored


Delta County Well No. 17-42-806
Theis Recovery
Residual Drawdown (feet)
Time, t/t'
Latitude: 33-15-18
Date: 10/14/1965
Longitude: 95-49-23
Aquifer: Nacatoch
Pre-test water level: 159 ft
Depth of well: 540 ft
Discharge rate: 203 gpm
Specific capacity: 1.1 gpm/ft
Hydraulic conductivity: 18 gal/d/sq ft
Transmissivity 2167 gal/d/ft
Data used
Data ignored

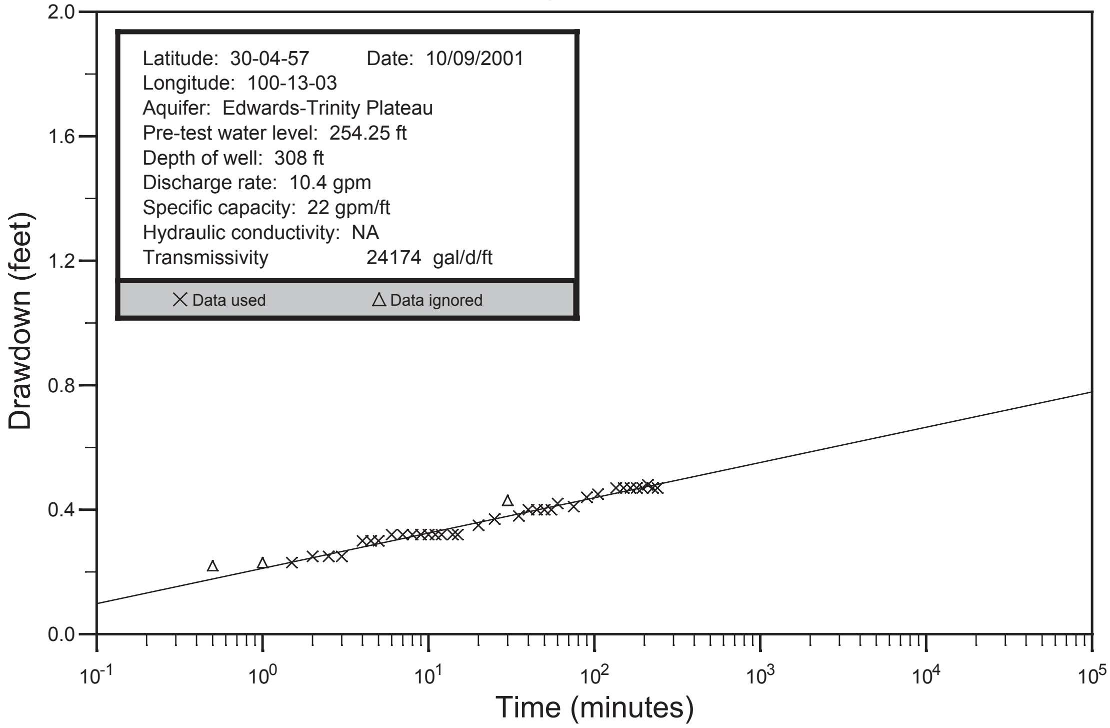

Delta County Well No. 17-42-807
Theis Recovery
Residual Drawdown (feet)
Time, t/t'
Latitude: 33-15-20
Date: 11/15/1965
Longitude: 95-48-41
Aquifer: Nacatoch
Pre-test water level: 148.9 ft
Depth of well: 635 ft
Discharge rate: 250 gpm
Specific capacity: 1.2 gpm/ft
Hydraulic conductivity: 20 gal/d/sq ft
Transmissivity 2500 gal/d/ft
Data used
Data ignored


Delta County Well No. 17-42-808
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 33-15-58
Date: 12/08/1965
Longitude: 95-48-46
Aquifer: Nacatoch
Pre-test water level: 148.23 ft
Depth of well: 538 ft
Discharge rate: 200 gpm
Specific capacity: 1.0 gpm/ft
Hydraulic conductivity: 21 gal/d/sq ft
Transmissivity 2384 gal/d/ft
Data used
Data ignored

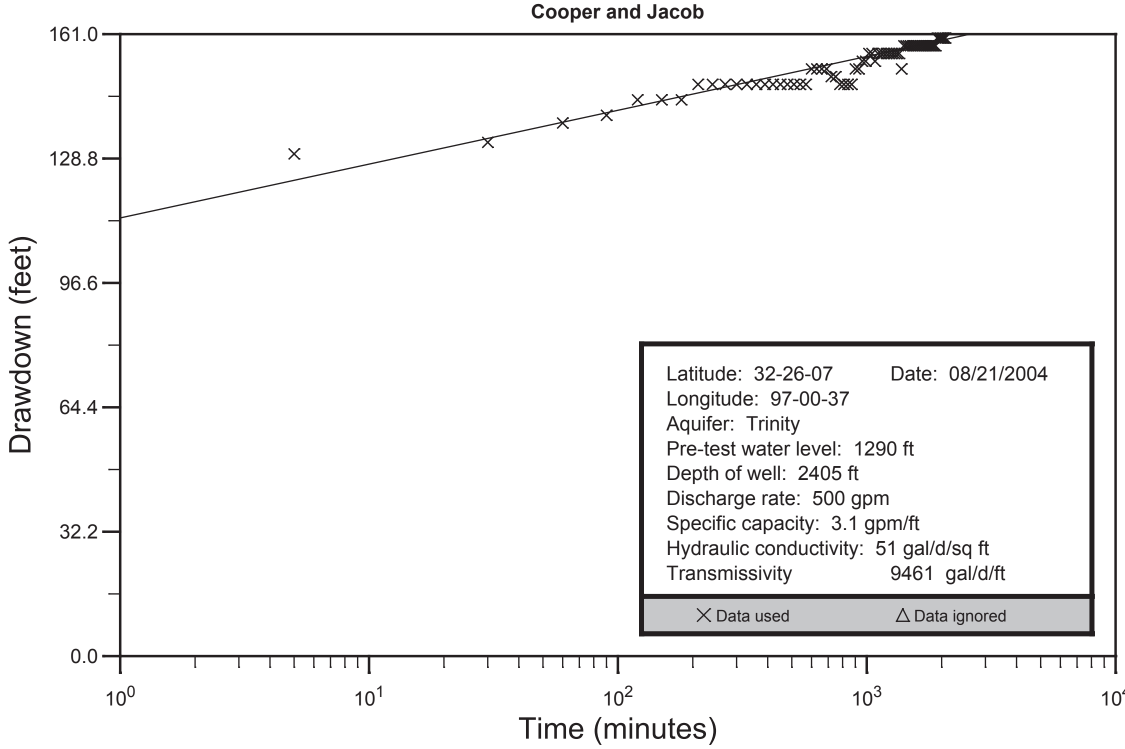

Dimmit County Well No. 77-44-106
Neuman
sd
ts
Latitude: 28-20-44
Date: 03/13/1997
Longitude: 99-37-22
Aquifer: Carrizo-Wilcox
Pre-test water level: 285 ft
Depth of well: 1253 ft
Discharge rate: 300 gpm
Specific capacity: 5.7 gpm/ft
Hydraulic conductivity: 27 gal/d/sq ft
Transmissivity 2451 gal/d/ft
Data Used
Data ignored

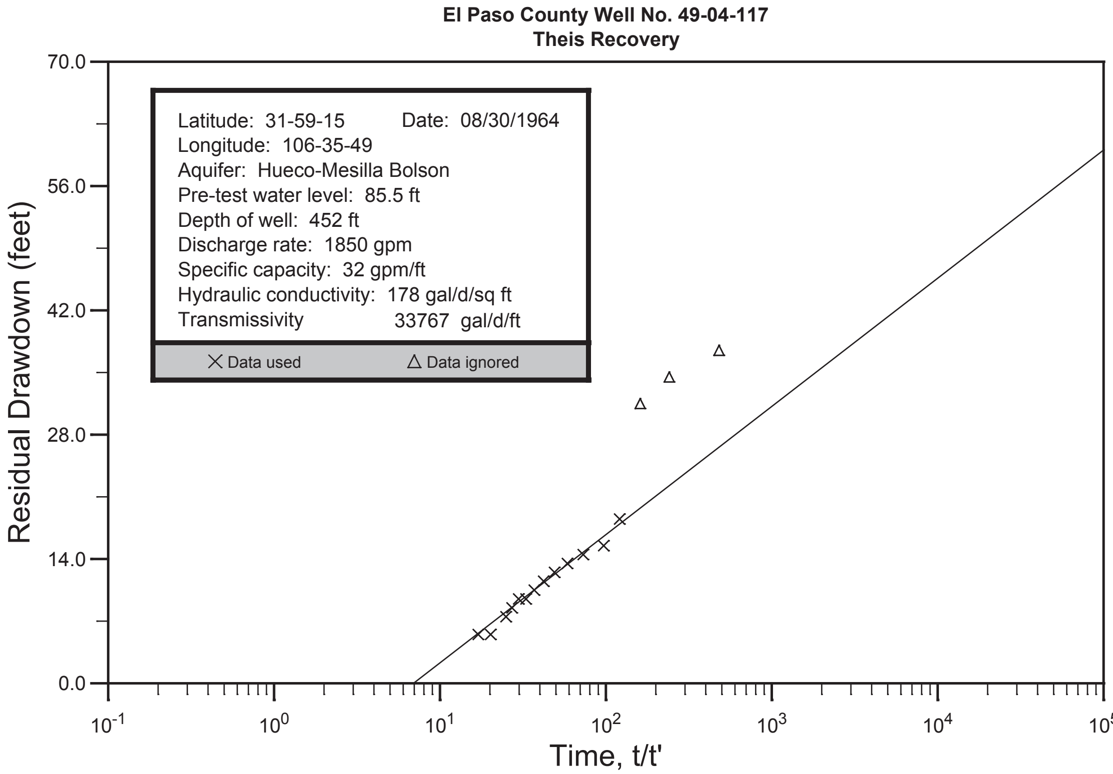

Donley County Well No. 12-12-402
Theis Recovery
Residual Drawdown (feet)
Time, t/t'
Latitude: 34-49-17
Date: 01/07/1968
Longitude: 100-35-53
Aquifer: Ogallala
Pre-test water level: 75.33 ft
Depth of well: 186 ft
Discharge rate: 206 gpm
Specific capacity: 5.2 gpm/ft
Hydraulic conductivity: 77 gal/d/sq ft
Transmissivity 3066 gal/d/ft
Data used
Data ignored

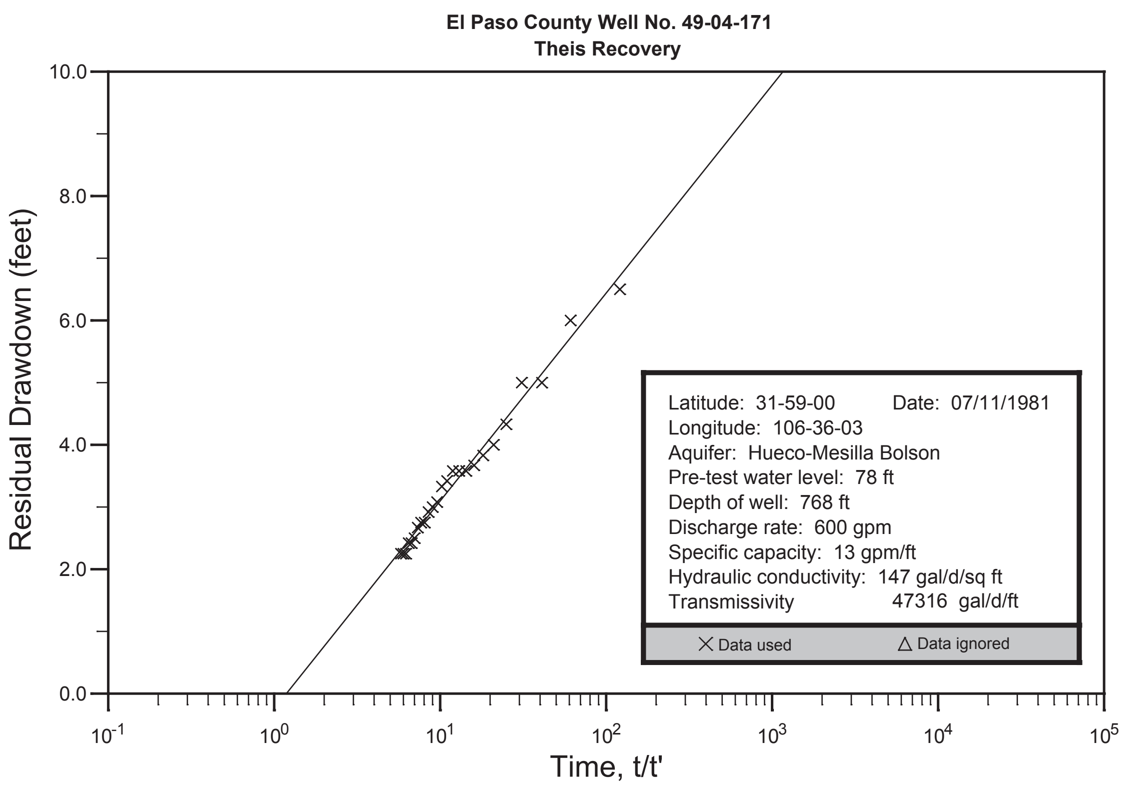
Edwards County Well No. 55-63-404
Cooper and Jacob

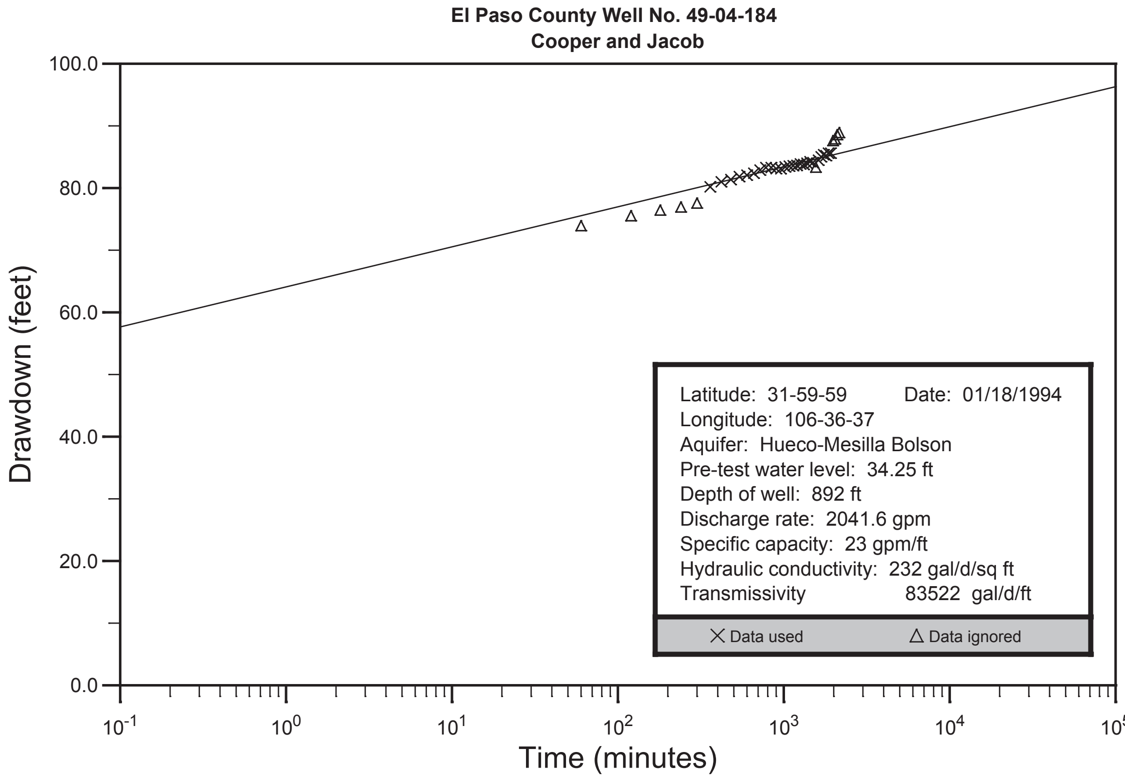


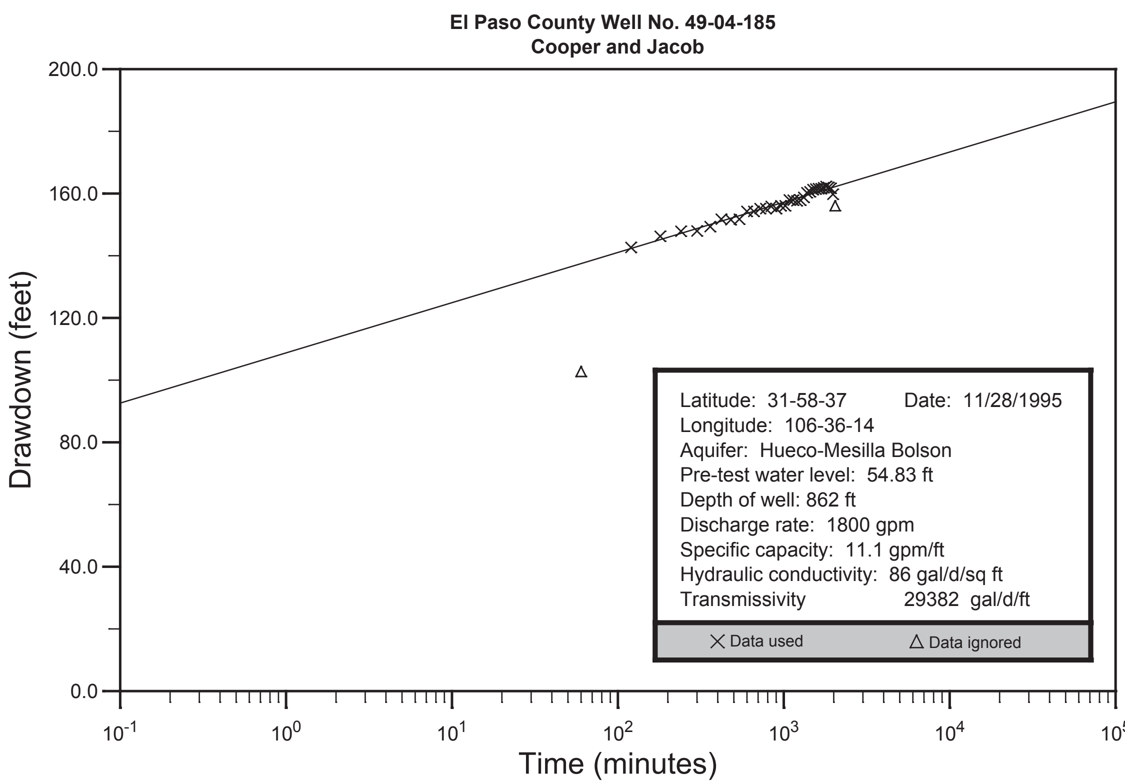
Ellis County Well No. 32-40-611
Cooper and Jacob

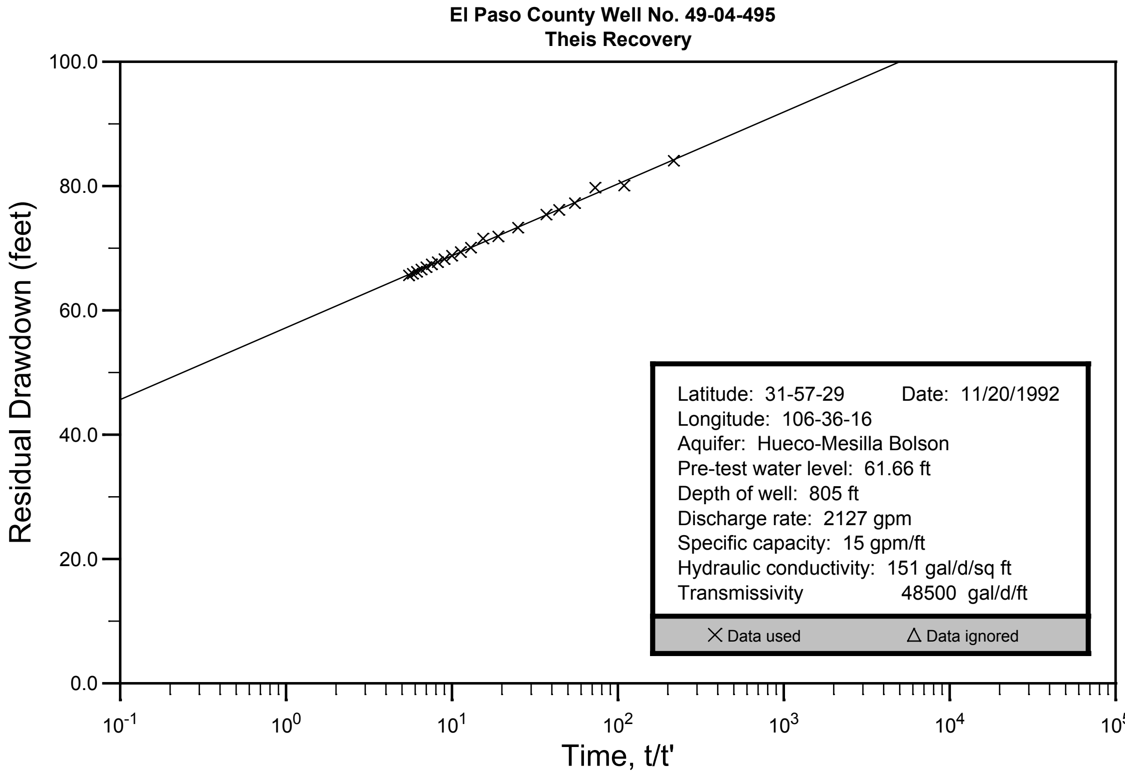


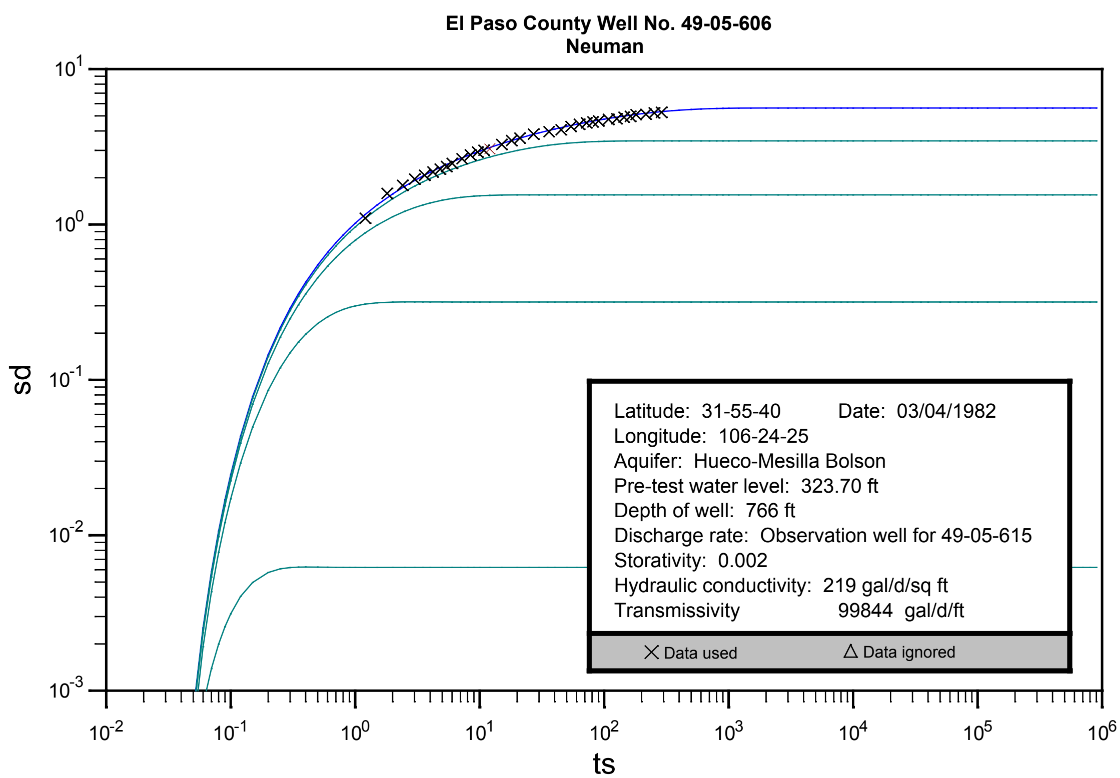

El Paso County Well No. 49-04-117
Theis Recovery
Latitude: 31-59-15
Date: 08/30/1964
Longitude: 106-35-49
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 85.5 ft
Depth of well: 452 ft
Discharge rate: 1850 gpm
Specific capacity: 32 gpm/ft
Hydraulic conductivity: 178 gal/d/sq ft
Transmissivity 33767 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
Time, t/t'
70.0
56.0
42.0
28.0
14.0
0.0
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}

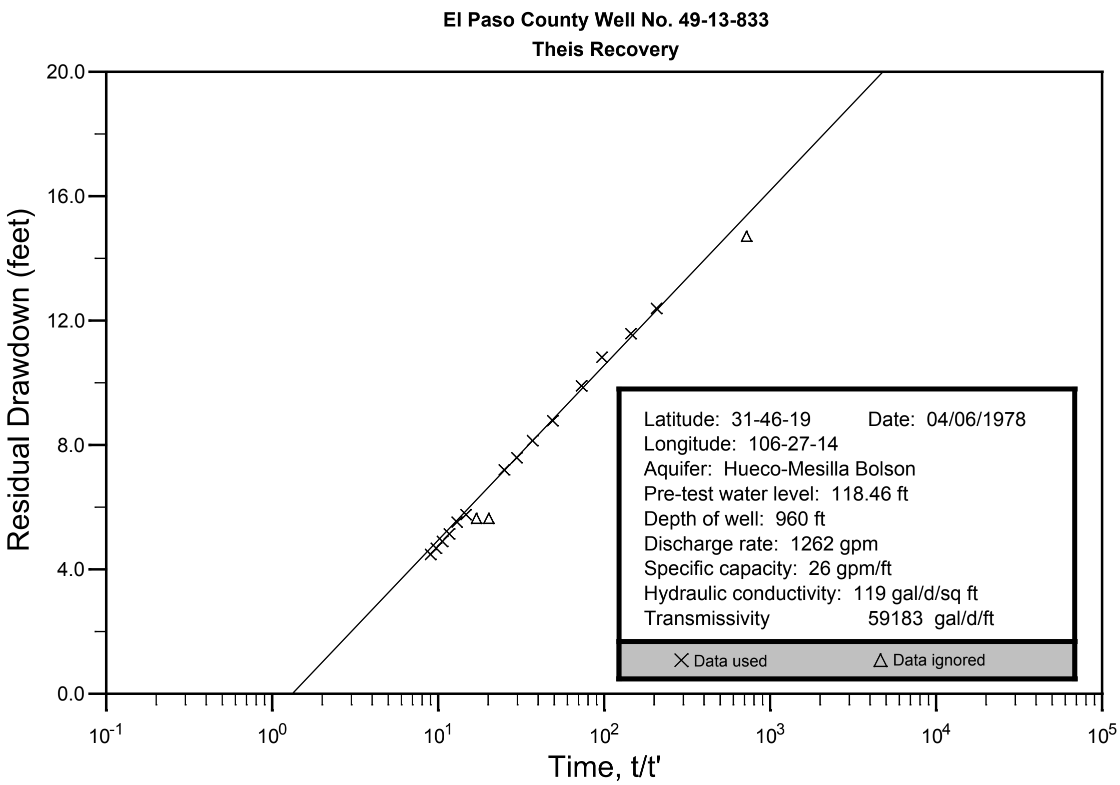

El Paso County Well No. 49-04-171
Theis Recovery
Latitude: 31-59-00
Date: 07/11/1981
Longitude: 106-36-03
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 78 ft
Depth of well: 768 ft
Discharge rate: 600 gpm
Specific capacity: 13 gpm/ft
Hydraulic conductivity: 147 gal/d/sq ft
Transmissivity 47316 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
Time, t/t'
10.0
8.0
6.0
4.0
2.0
0.0
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}

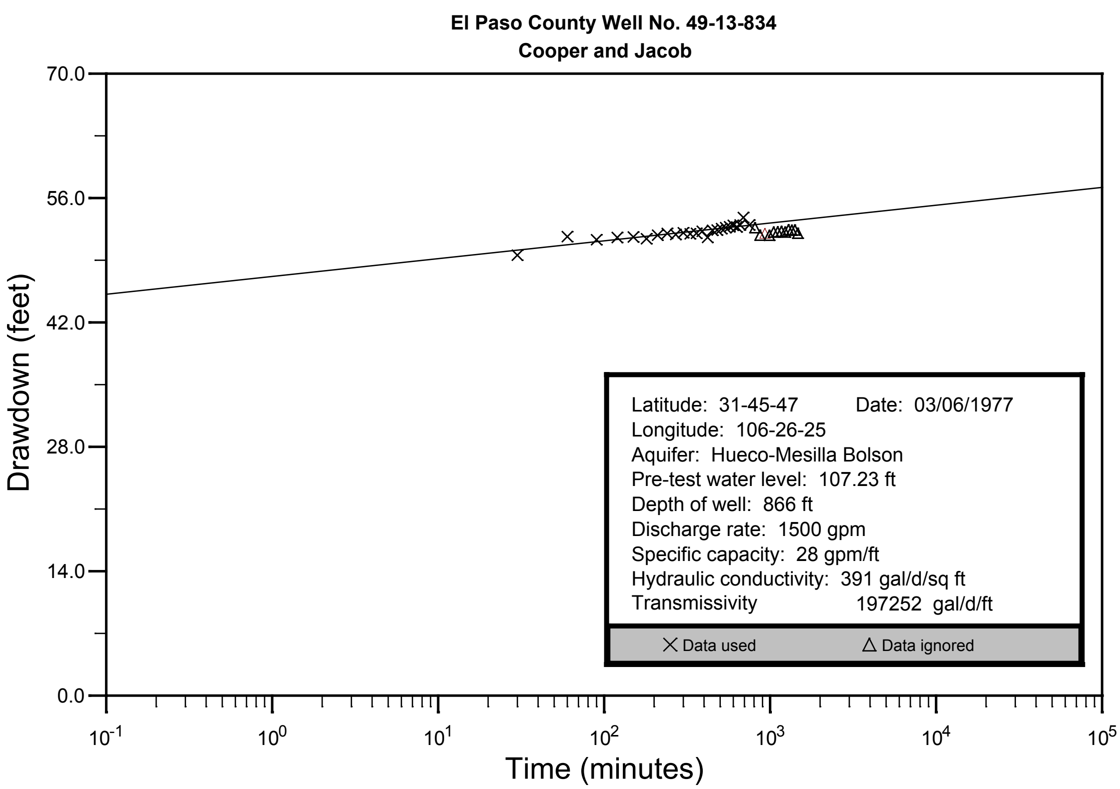

El Paso County Well No. 49-04-184
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 31-59-59
Date: 01/18/1994
Longitude: 106-36-37
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 34.25 ft
Depth of well: 892 ft
Discharge rate: 2041.6 gpm
Specific capacity: 23 gpm/ft
Hydraulic conductivity: 232 gal/d/sq ft
Transmissivity 83522 gal/d/ft
Data used
Data ignored

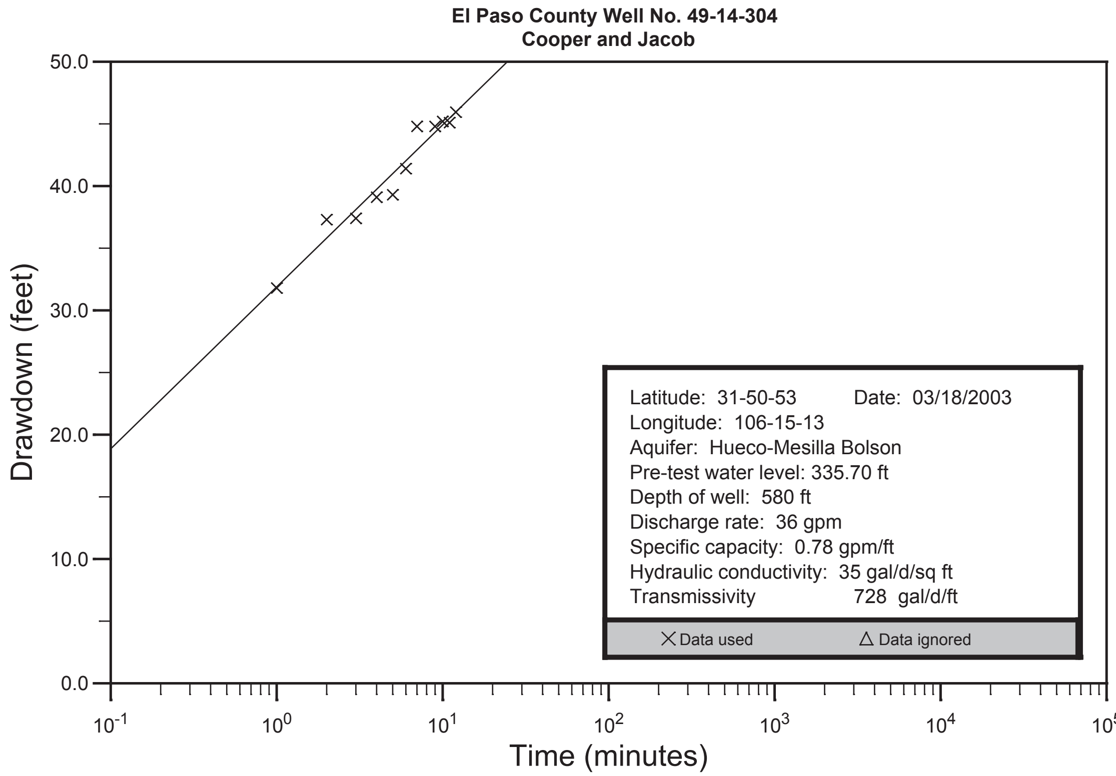

El Paso County Well No. 49-04-185
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 31-58-37
Date: 11/28/1995
Longitude: 106-36-14
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 54.83 ft
Depth of well: 862 ft
Discharge rate: 1800 gpm
Specific capacity: 11.1 gpm/ft
Hydraulic conductivity: 86 gal/d/sq ft
Transmissivity 29382 gal/d/ft
Data used
Data ignored

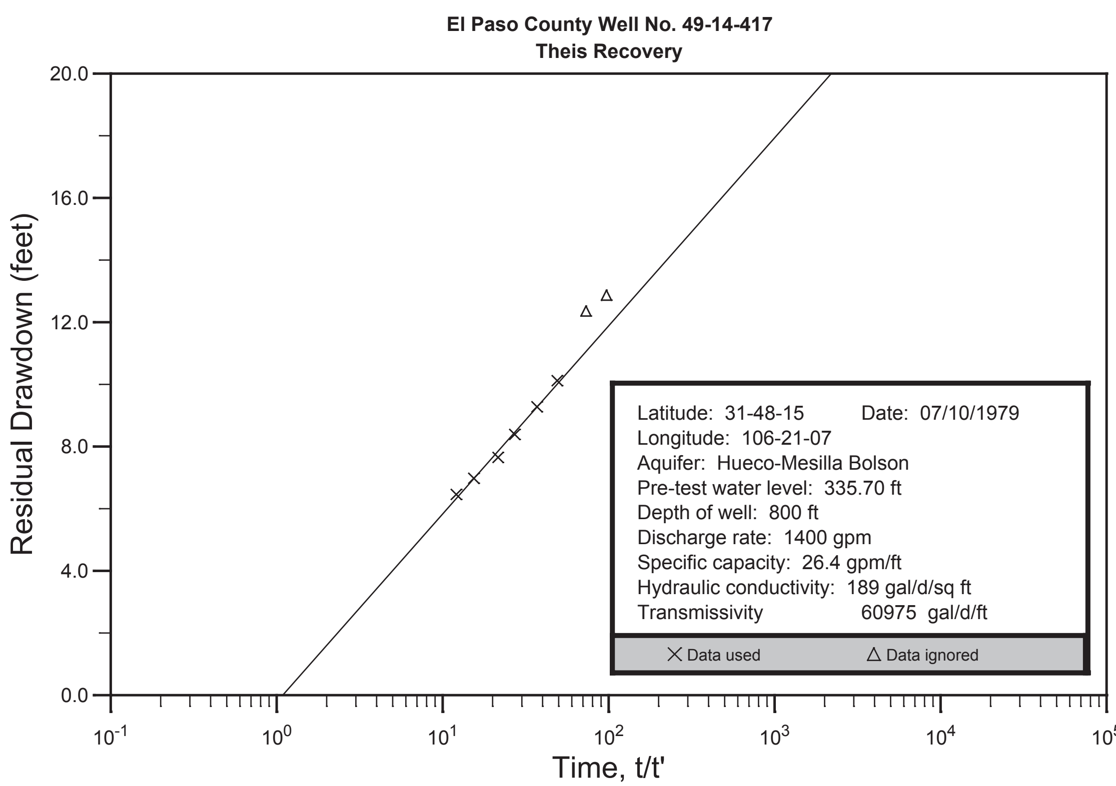

El Paso County Well No. 49-04-495
Theis Recovery
Residual Drawdown (feet)
100.0
80.0
60.0
40.0
20.0
0.0
10-1
10^0
10^1
10^2
10^3
10^4
10^5
Time, t/t'
Latitude: 31-57-29
Date: 11/20/1992
Longitude: 106-36-16
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 61.66 ft
Depth of well: 805 ft
Discharge rate: 2127 gpm
Specific capacity: 15 gpm/ft
Hydraulic conductivity: 151 gal/d/sq ft
Transmissivity 48500 gal/d/ft
Data used
Data ignored

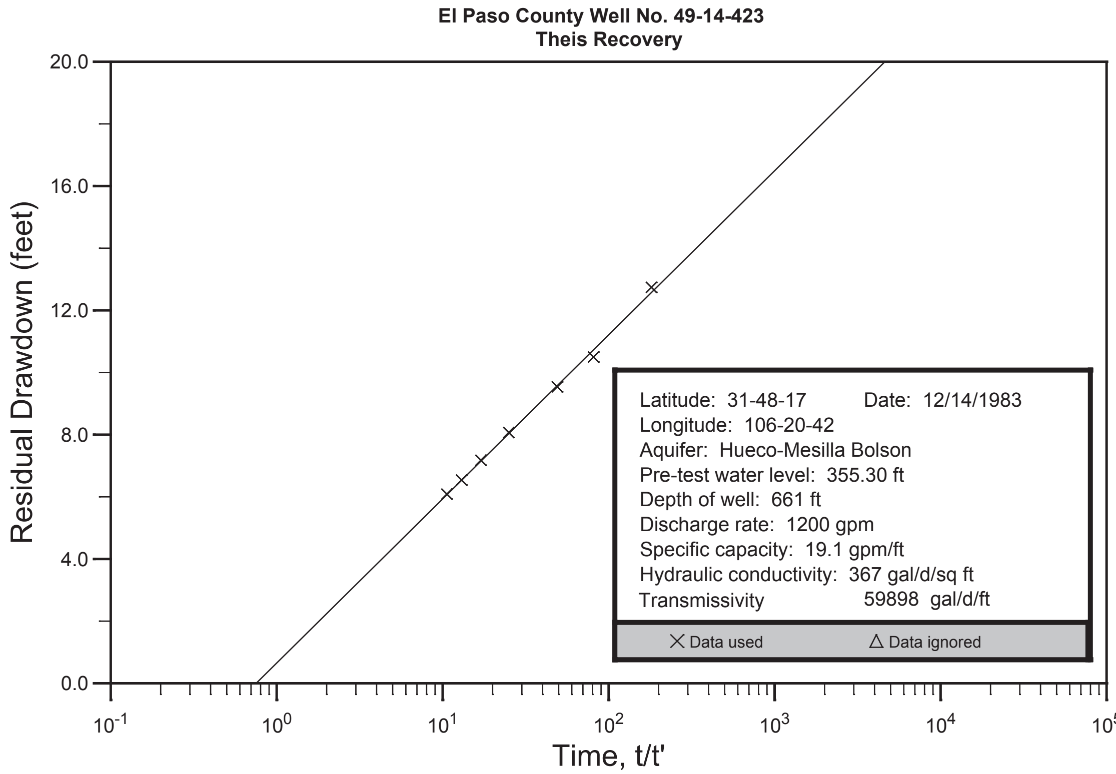

El Paso County Well No. 49-05-606
Neuman
sd
10^1
10^0
10^-1
10^-2
10^-3
10^-2
10^-1
10^0
10^1
10^2
10^3
10^4
10^5
10^6
ts
Latitude: 31-55-40
Date: 03/04/1982
Longitude: 106-24-25
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 323.70 ft
Depth of well: 766 ft
Discharge rate: Observation well for 49-05-615
Storativity: 0.002
Hydraulic conductivity: 219 gal/d/sq ft
Transmissivity 99844 gal/d/ft
Data used
Data ignored

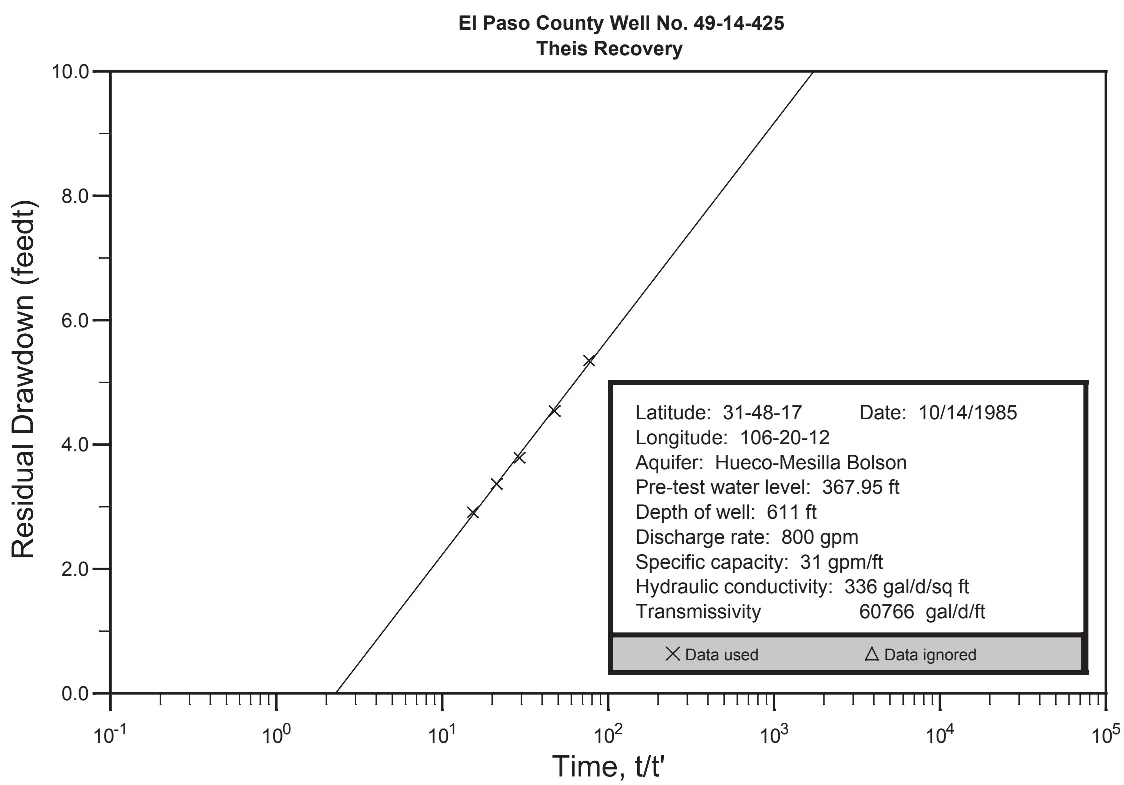

El Paso County Well No. 49-13-833
Theis Recovery
Residual Drawdown (feet)
20.0
16.0
12.0
8.0
4.0
0.0
Latitude: 31-46-19 Date: 04/06/1978
Longitude: 106-27-14
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 118.46 ft
Depth of well: 960 ft
Discharge rate: 1262 gpm
Specific capacity: 26 gpm/ft
Hydraulic conductivity: 119 gal/d/sq ft
Transmissivity 59183 gal/d/ft
Data used
Data ignored
10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5}
Time, t/t'

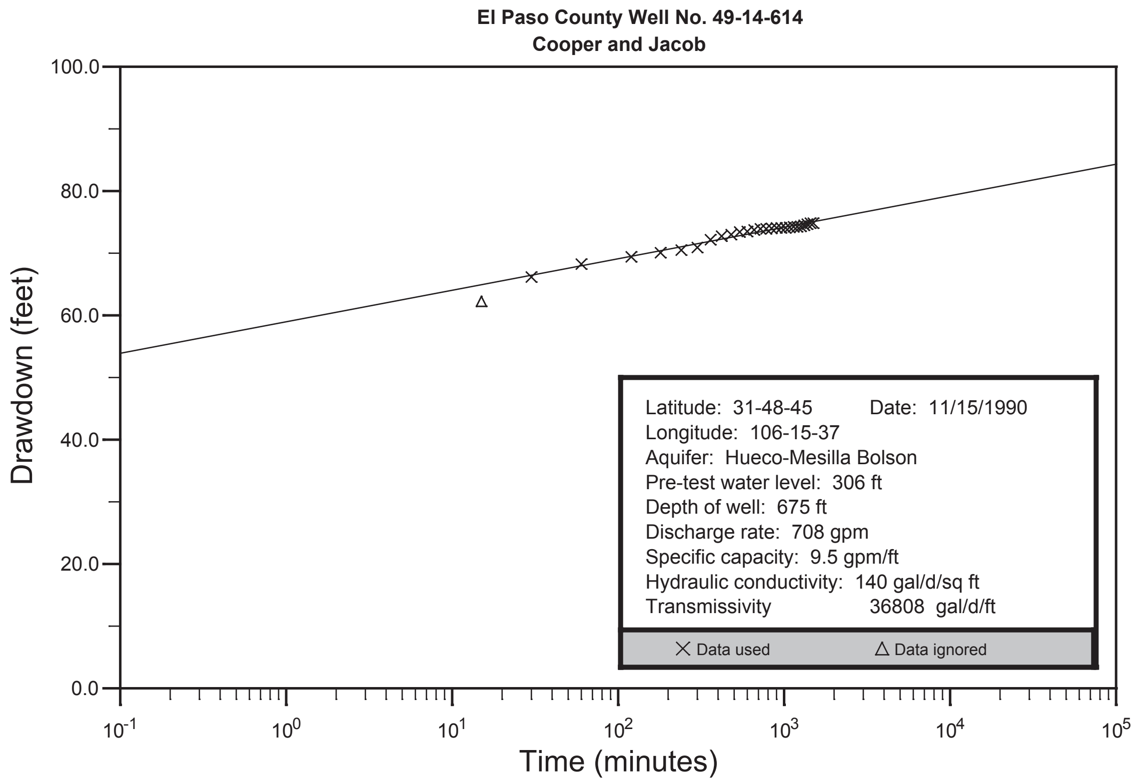

El Paso County Well No. 49-13-834
Cooper and Jacob
Drawdown (feet)
70.0
56.0
42.0
28.0
14.0
0.0
Latitude: 31-45-47 Date: 03/06/1977
Longitude: 106-26-25
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 107.23 ft
Depth of well: 866 ft
Discharge rate: 1500 gpm
Specific capacity: 28 gpm/ft
Hydraulic conductivity: 391 gal/d/sq ft
Transmissivity 197252 gal/d/ft
Data used
Data ignored
10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5}
Time (minutes)

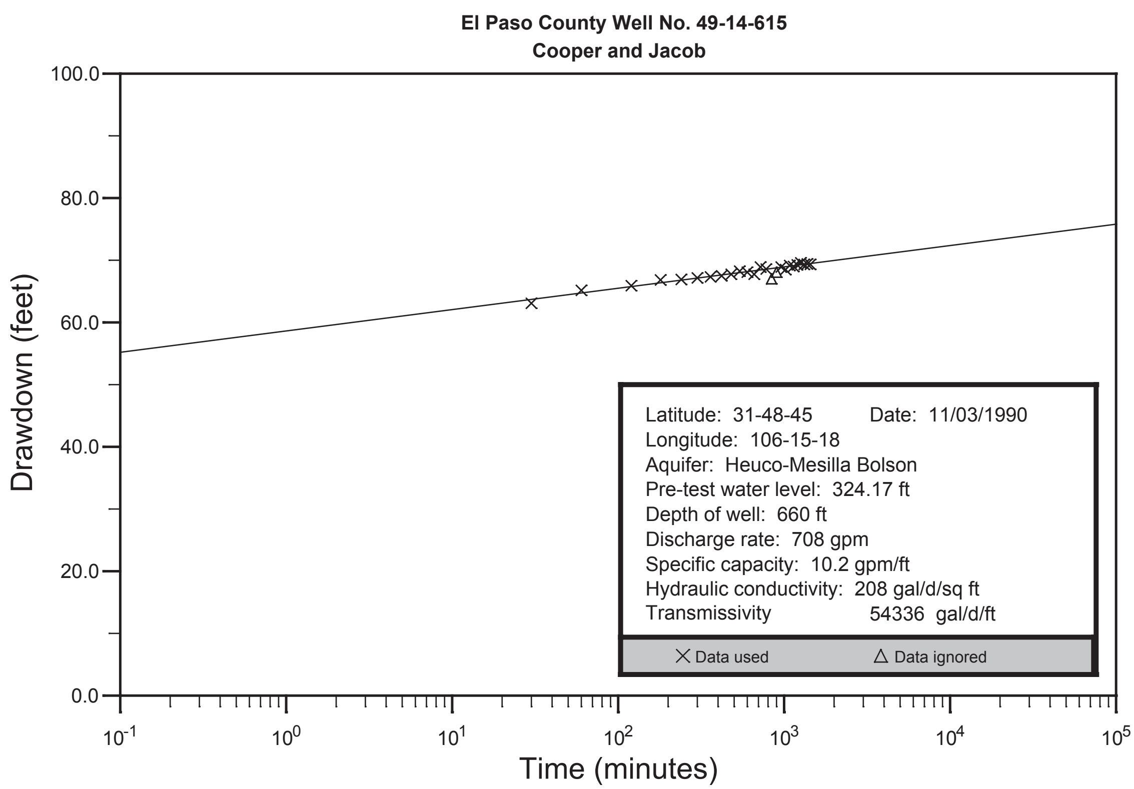

El Paso County Well No. 49-14-304
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 31-50-53
Date: 03/18/2003
Longitude: 106-15-13
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 335.70 ft
Depth of well: 580 ft
Discharge rate: 36 gpm
Specific capacity: 0.78 gpm/ft
Hydraulic conductivity: 35 gal/d/sq ft
Transmissivity 728 gal/d/ft
Data used
Data ignored

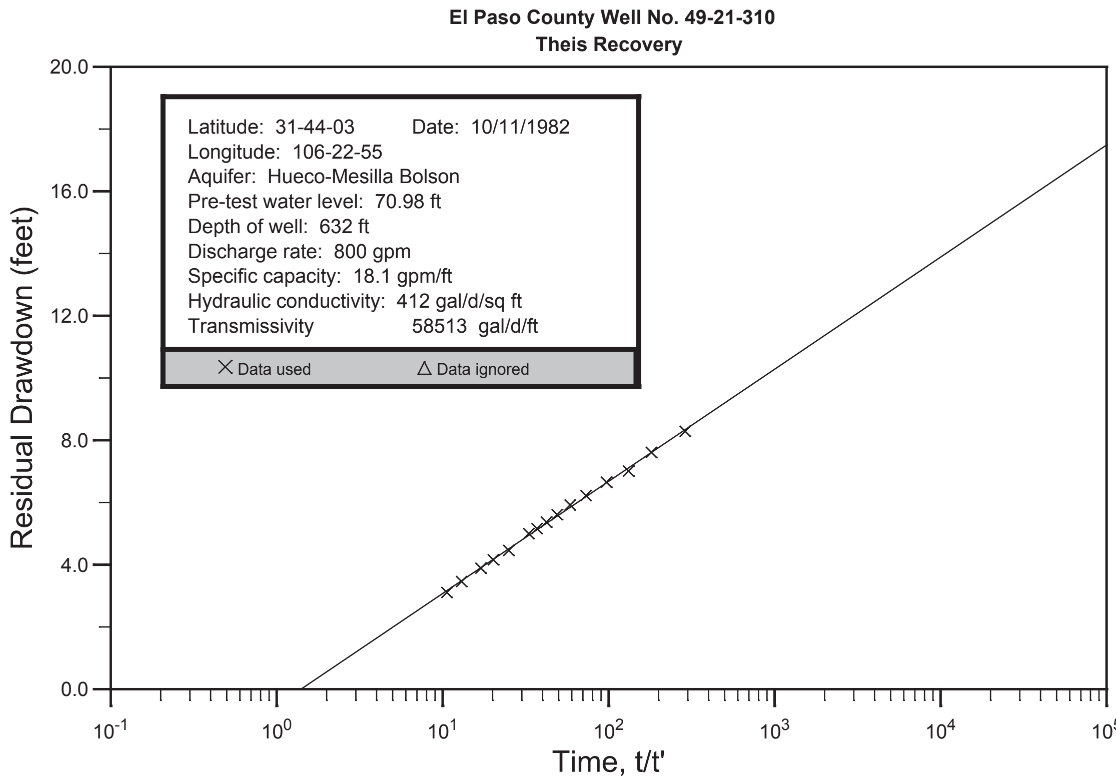

El Paso County Well No. 49-14-417
Theis Recovery
Residual Drawdown (feet)
Time, t/t'
Latitude: 31-48-15
Date: 07/10/1979
Longitude: 106-21-07
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 335.70 ft
Depth of well: 800 ft
Discharge rate: 1400 gpm
Specific capacity: 26.4 gpm/ft
Hydraulic conductivity: 189 gal/d/sq ft
Transmissivity 60975 gal/d/ft
Data used
Data ignored

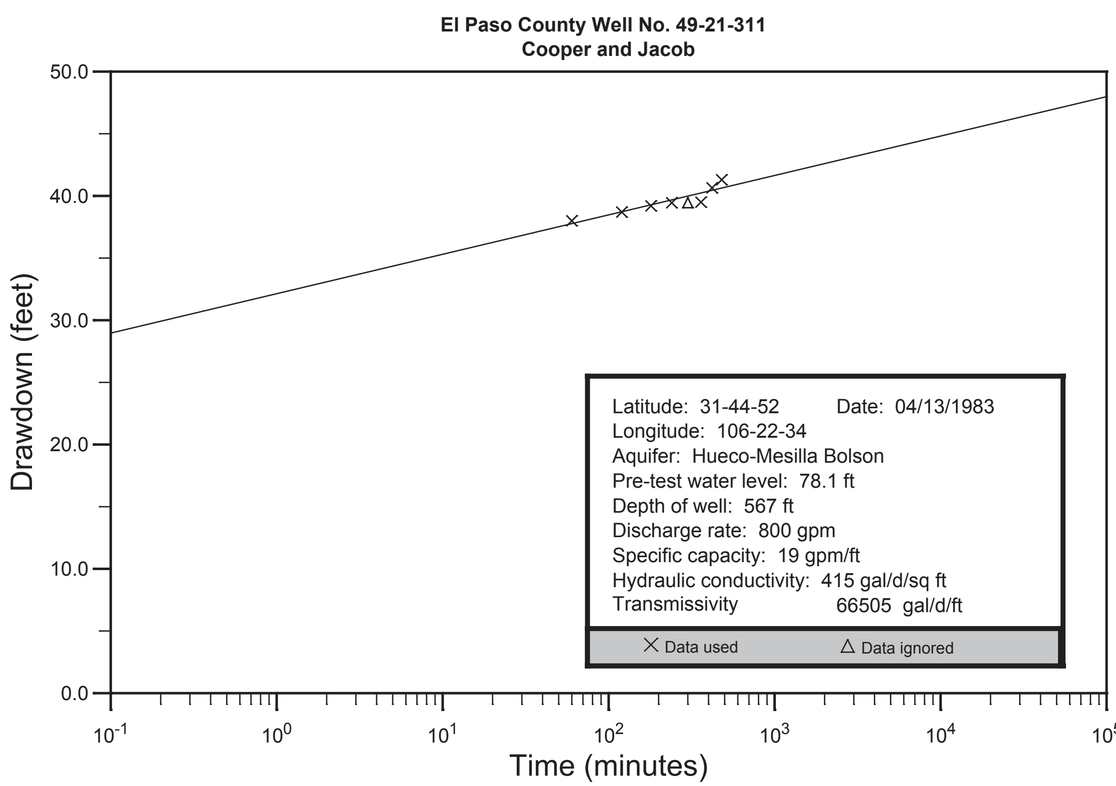

El Paso County Well No. 49-14-423
Theis Recovery
Residual Drawdown (feet)
20.0
16.0
12.0
8.0
4.0
0.0
Latitude: 31-48-17
Date: 12/14/1983
Longitude: 106-20-42
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 355.30 ft
Depth of well: 661 ft
Discharge rate: 1200 gpm
Specific capacity: 19.1 gpm/ft
Hydraulic conductivity: 367 gal/d/sq ft
Transmissivity 59898 gal/d/ft
Data used
Data ignored
10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5}
Time, t/t'

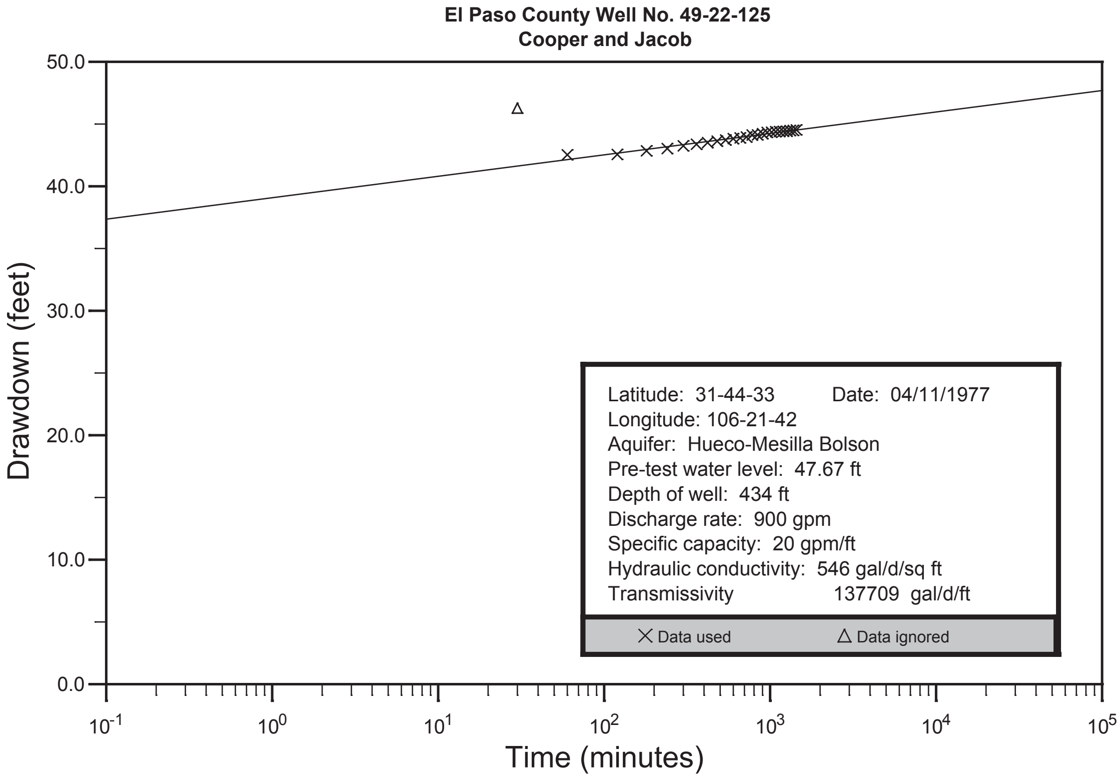

El Paso County Well No. 49-14-425
Theis Recovery
Residual Drawdown (feedt)
10.0
8.0
6.0
4.0
2.0
0.0
Latitude: 31-48-17
Date: 10/14/1985
Longitude: 106-20-12
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 367.95 ft
Depth of well: 611 ft
Discharge rate: 800 gpm
Specific capacity: 31 gpm/ft
Hydraulic conductivity: 336 gal/d/sq ft
Transmissivity 60766 gal/d/ft
Data used
Data ignored
10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5}
Time, t/t'

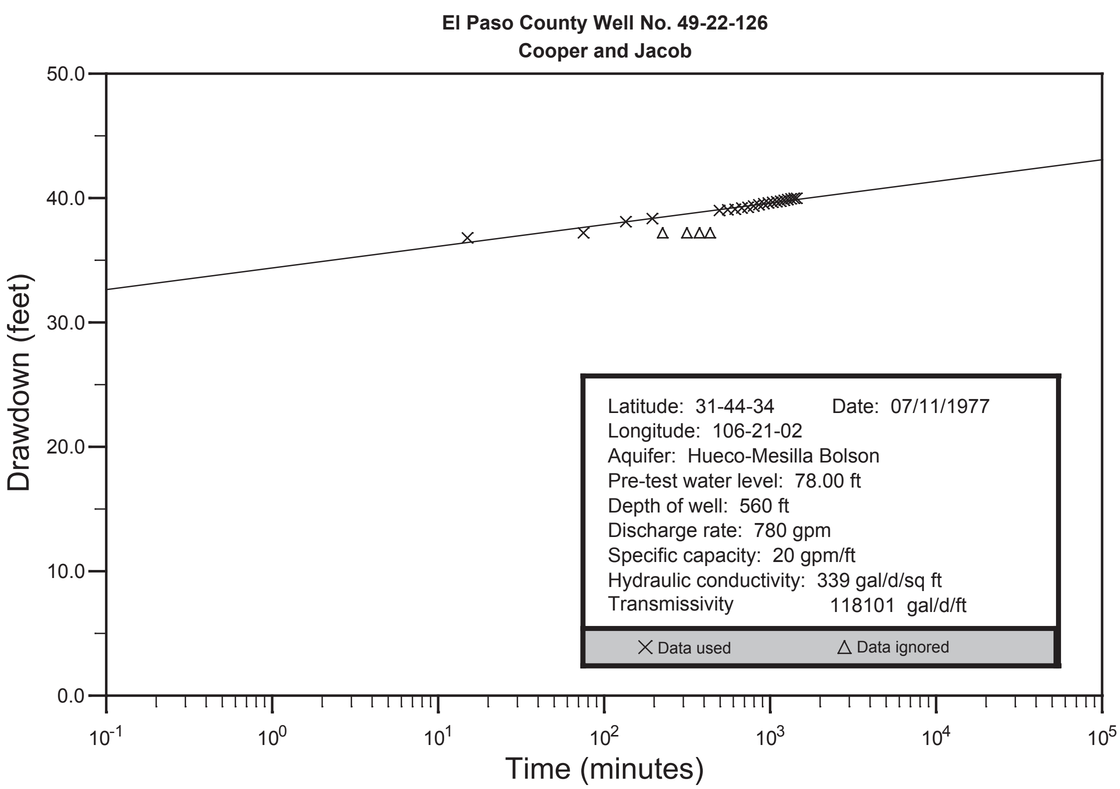

El Paso County Well No. 49-14-614
Cooper and Jacob
100.0
80.0
60.0
40.0
20.0
0.0
Drawdown (feet)
Latitude: 31-48-45
Date: 11/15/1990
Longitude: 106-15-37
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 306 ft
Depth of well: 675 ft
Discharge rate: 708 gpm
Specific capacity: 9.5 gpm/ft
Hydraulic conductivity: 140 gal/d/sq ft
Transmissivity 36808 gal/d/ft
Data used
Data ignored
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
Time (minutes)

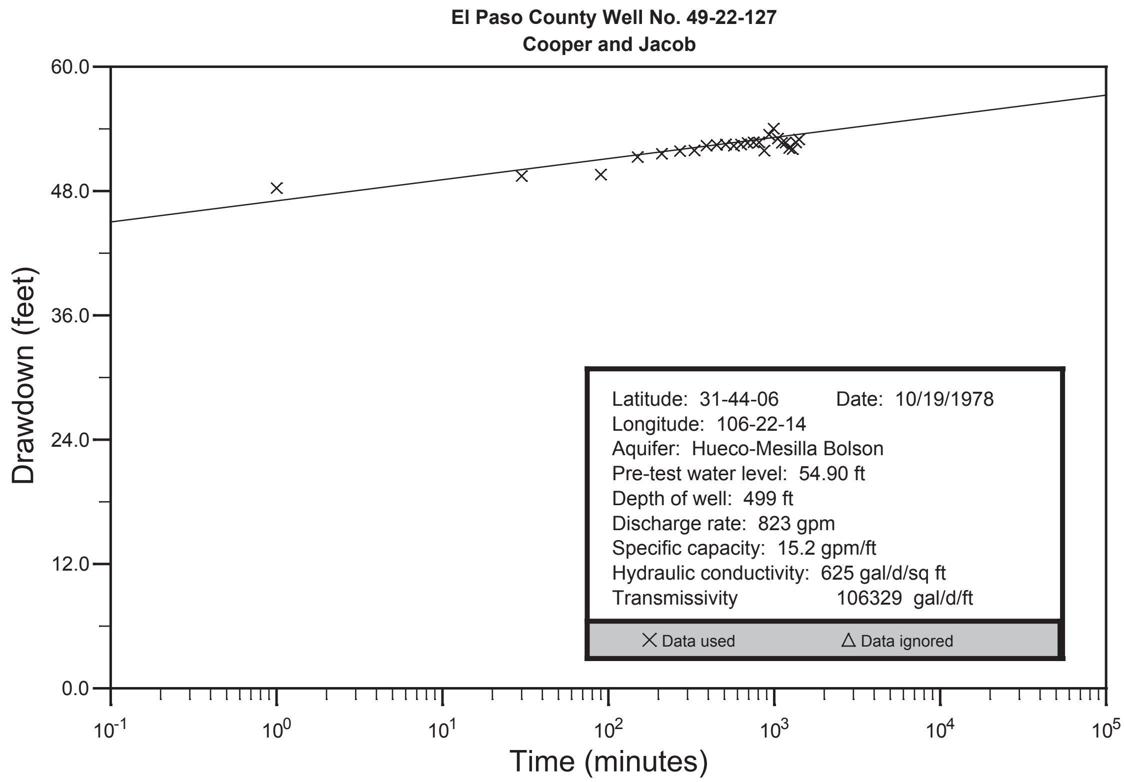

El Paso County Well No. 49-14-615
Cooper and Jacob
100.0
80.0
60.0
40.0
20.0
0.0
Drawdown (feet)
Latitude: 31-48-45
Date: 11/03/1990
Longitude: 106-15-18
Aquifer: Heuco-Mesilla Bolson
Pre-test water level: 324.17 ft
Depth of well: 660 ft
Discharge rate: 708 gpm
Specific capacity: 10.2 gpm/ft
Hydraulic conductivity: 208 gal/d/sq ft
Transmissivity 54336 gal/d/ft
Data used
Data ignored
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
Time (minutes)

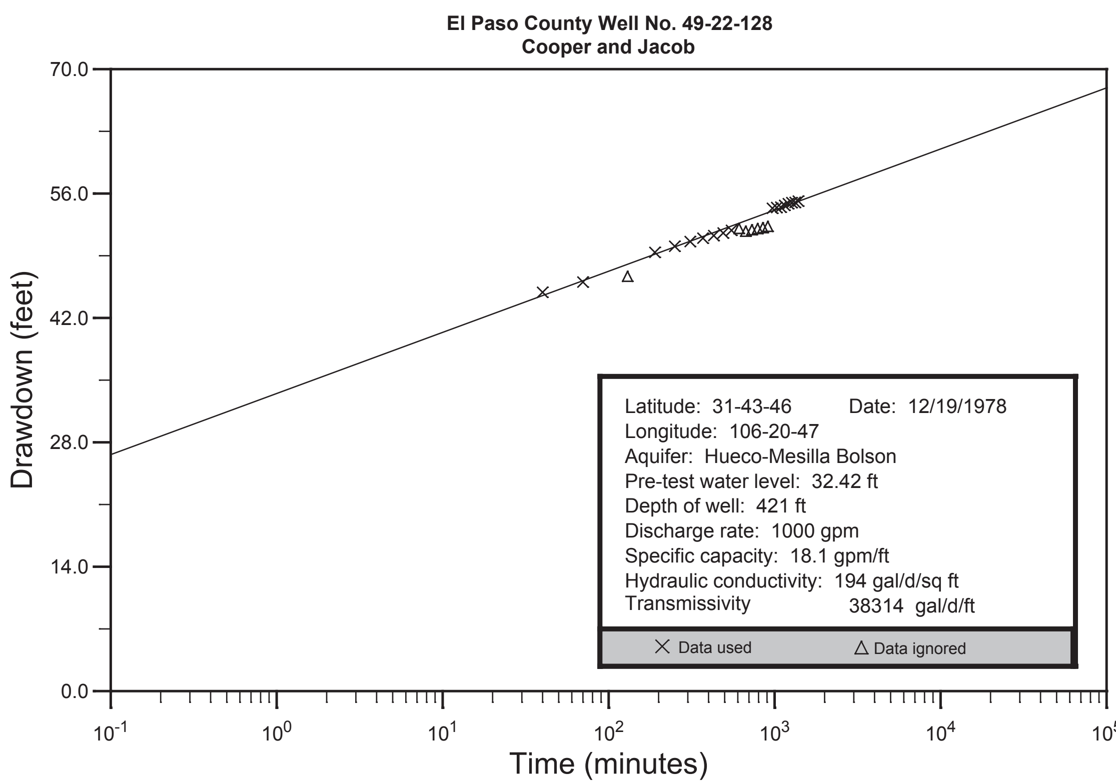

El Paso County Well No. 49-21-310
Theis Recovery
Latitude: 31-44-03
Date: 10/11/1982
Longitude: 106-22-55
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 70.98 ft
Depth of well: 632 ft
Discharge rate: 800 gpm
Specific capacity: 18.1 gpm/ft
Hydraulic conductivity: 412 gal/d/sq ft
Transmissivity 58513 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
20.0
16.0
12.0
8.0
4.0
0.0
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
Time, t/t'

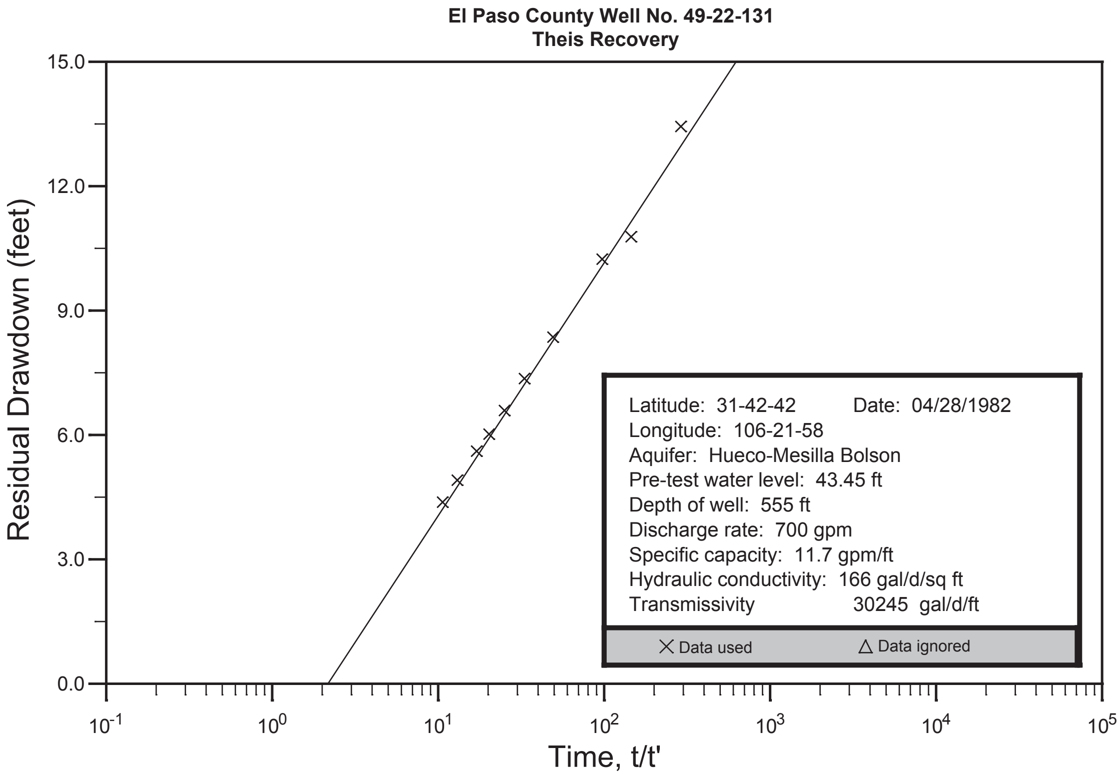

El Paso County Well No. 49-21-311
Cooper and Jacob
Latitude: 31-44-52
Date: 04/13/1983
Longitude: 106-22-34
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 78.1 ft
Depth of well: 567 ft
Discharge rate: 800 gpm
Specific capacity: 19 gpm/ft
Hydraulic conductivity: 415 gal/d/sq ft
Transmissivity 66505 gal/d/ft
Data used
Data ignored
Drawdown (feet)
50.0
40.0
30.0
20.0
10.0
0.0
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
Time (minutes)

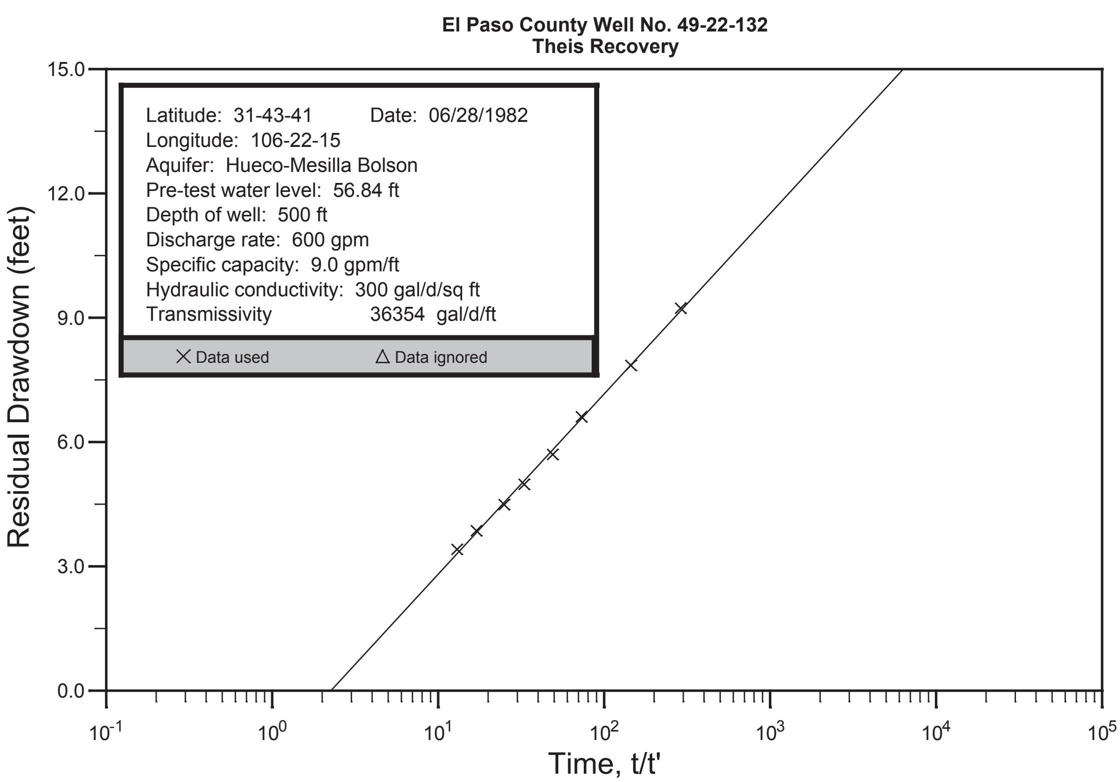

El Paso County Well No. 49-22-125
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 31-44-33
Date: 04/11/1977
Longitude: 106-21-42
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 47.67 ft
Depth of well: 434 ft
Discharge rate: 900 gpm
Specific capacity: 20 gpm/ft
Hydraulic conductivity: 546 gal/d/sq ft
Transmissivity 137709 gal/d/ft
Data used
Data ignored

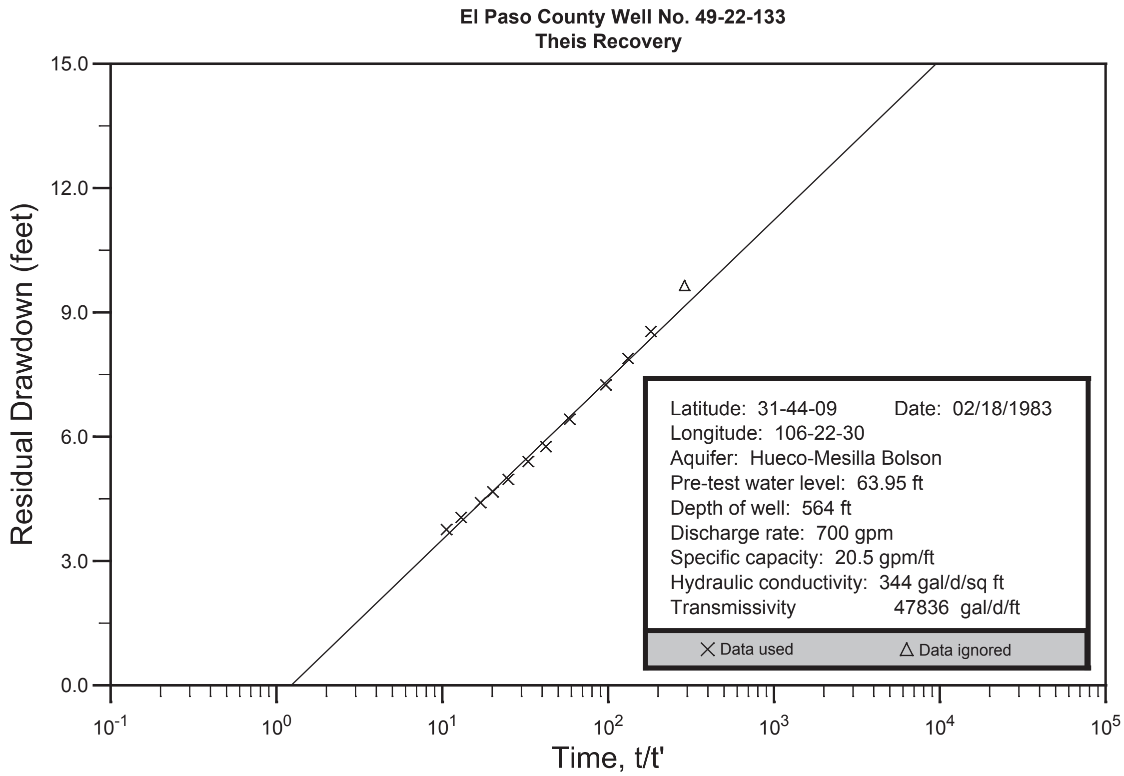

El Paso County Well No. 49-22-126
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 31-44-34
Date: 07/11/1977
Longitude: 106-21-02
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 78.00 ft
Depth of well: 560 ft
Discharge rate: 780 gpm
Specific capacity: 20 gpm/ft
Hydraulic conductivity: 339 gal/d/sq ft
Transmissivity 118101 gal/d/ft
Data used
Data ignored

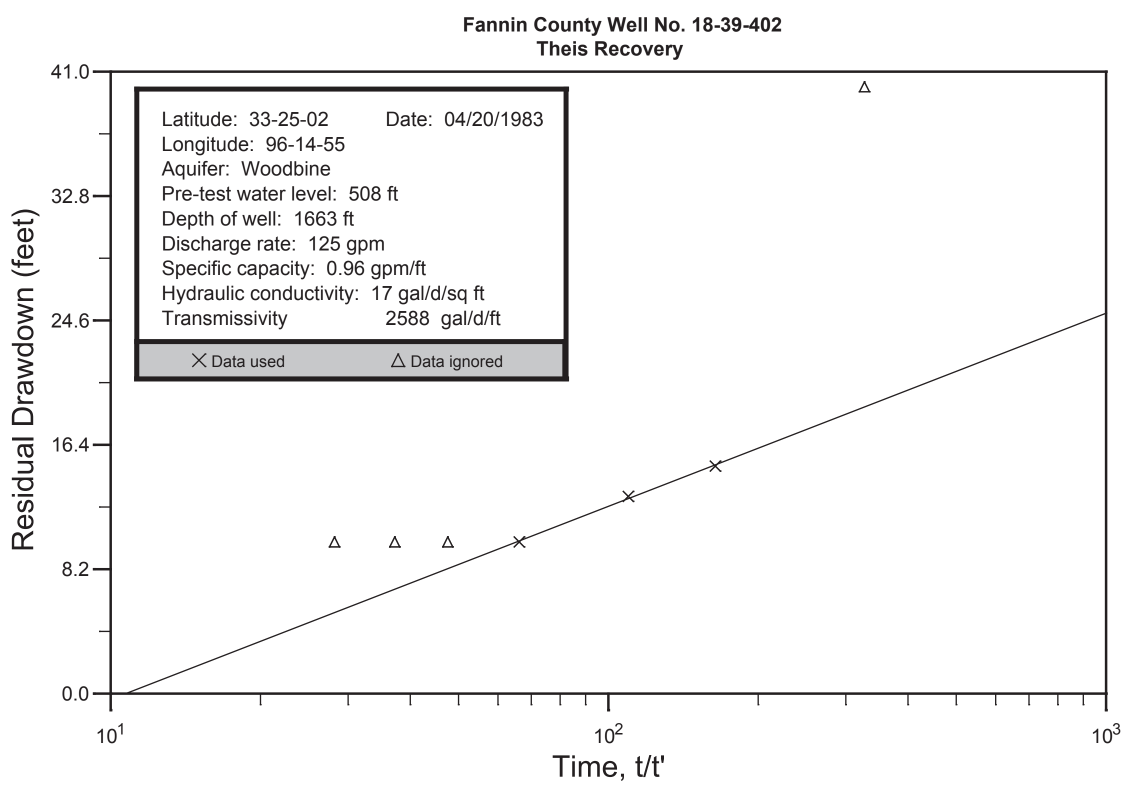

El Paso County Well No. 49-22-127
Cooper and Jacob
Drawdown (feet)
Time (minutes)
60.0
48.0
36.0
24.0
12.0
0.0
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
Latitude: 31-44-06 Date: 10/19/1978
Longitude: 106-22-14
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 54.90 ft
Depth of well: 499 ft
Discharge rate: 823 gpm
Specific capacity: 15.2 gpm/ft
Hydraulic conductivity: 625 gal/d/sq ft
Transmissivity 106329 gal/d/ft
Data used
Data ignored

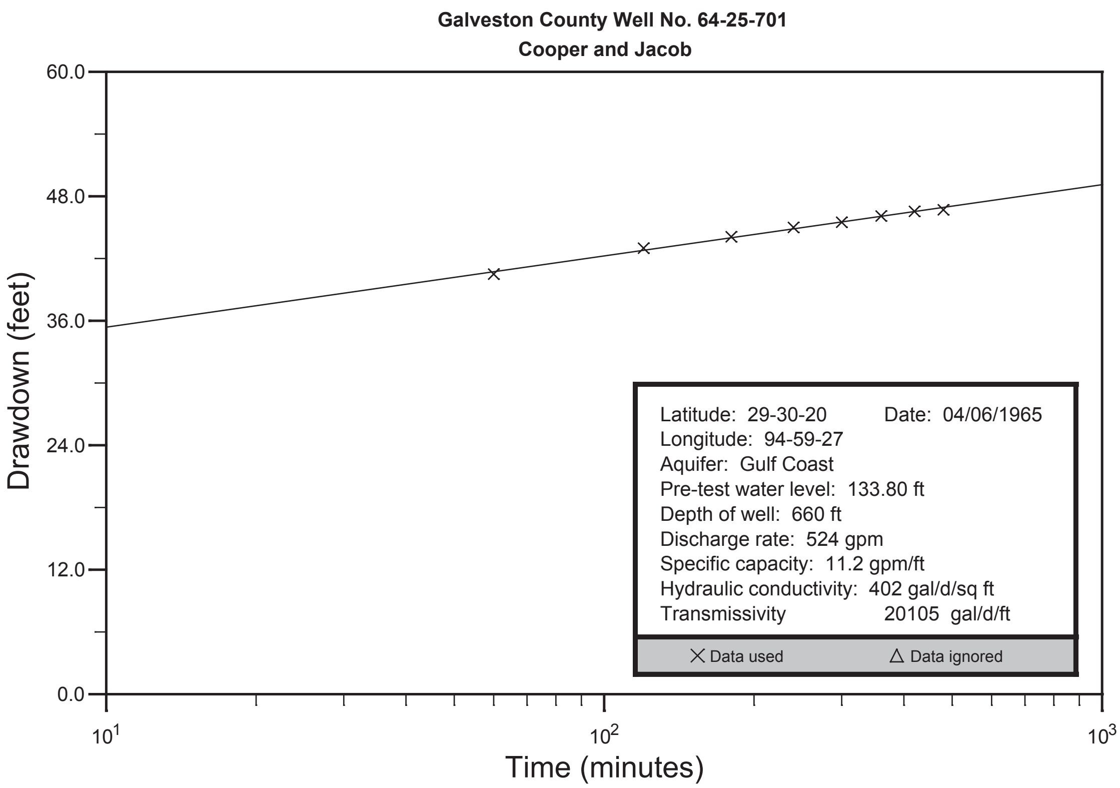

El Paso County Well No. 49-22-128
Cooper and Jacob
Drawdown (feet)
Time (minutes)
70.0
56.0
42.0
28.0
14.0
0.0
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
Latitude: 31-43-46 Date: 12/19/1978
Longitude: 106-20-47
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 32.42 ft
Depth of well: 421 ft
Discharge rate: 1000 gpm
Specific capacity: 18.1 gpm/ft
Hydraulic conductivity: 194 gal/d/sq ft
Transmissivity 38314 gal/d/ft
Data used
Data ignored

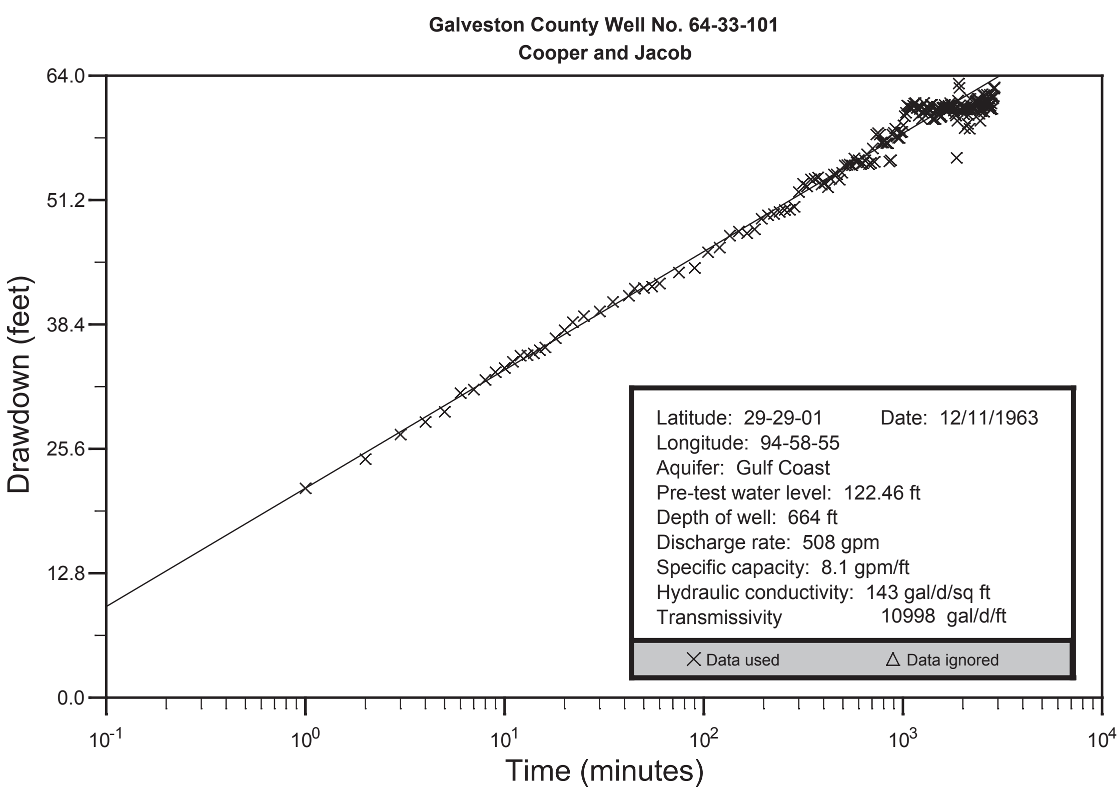

El Paso County Well No. 49-22-131
Theis Recovery
Residual Drawdown (feet)
Time, t/t'
15.0
12.0
9.0
6.0
3.0
0.0
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
Latitude: 31-42-42
Date: 04/28/1982
Longitude: 106-21-58
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 43.45 ft
Depth of well: 555 ft
Discharge rate: 700 gpm
Specific capacity: 11.7 gpm/ft
Hydraulic conductivity: 166 gal/d/sq ft
Transmissivity 30245 gal/d/ft
Data used
Data ignored


El Paso County Well No. 49-22-132
Theis Recovery
Residual Drawdown (feet)
Time, t/t'
15.0
12.0
9.0
6.0
3.0
0.0
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
Latitude: 31-43-41
Date: 06/28/1982
Longitude: 106-22-15
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 56.84 ft
Depth of well: 500 ft
Discharge rate: 600 gpm
Specific capacity: 9.0 gpm/ft
Hydraulic conductivity: 300 gal/d/sq ft
Transmissivity 36354 gal/d/ft
Data used
Data ignored

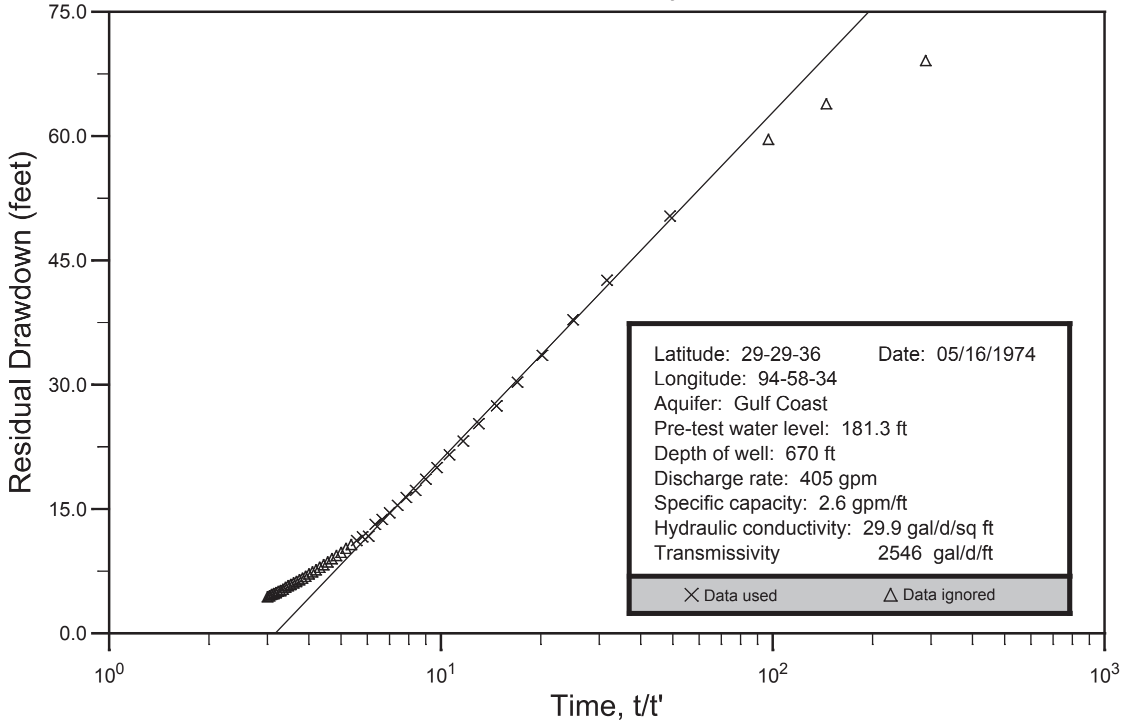

El Paso County Well No. 49-22-133
Theis Recovery
Latitude: 31-44-09
Date: 02/18/1983
Longitude: 106-22-30
Aquifer: Hueco-Mesilla Bolson
Pre-test water level: 63.95 ft
Depth of well: 564 ft
Discharge rate: 700 gpm
Specific capacity: 20.5 gpm/ft
Hydraulic conductivity: 344 gal/d/sq ft
Transmissivity 47836 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
Time, t/t'


Fannin County Well No. 18-39-402
Theis Recovery
Latitude: 33-25-02
Date: 04/20/1983
Longitude: 96-14-55
Aquifer: Woodbine
Pre-test water level: 508 ft
Depth of well: 1663 ft
Discharge rate: 125 gpm
Specific capacity: 0.96 gpm/ft
Hydraulic conductivity: 17 gal/d/sq ft
Transmissivity 2588 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
Time, t/t'

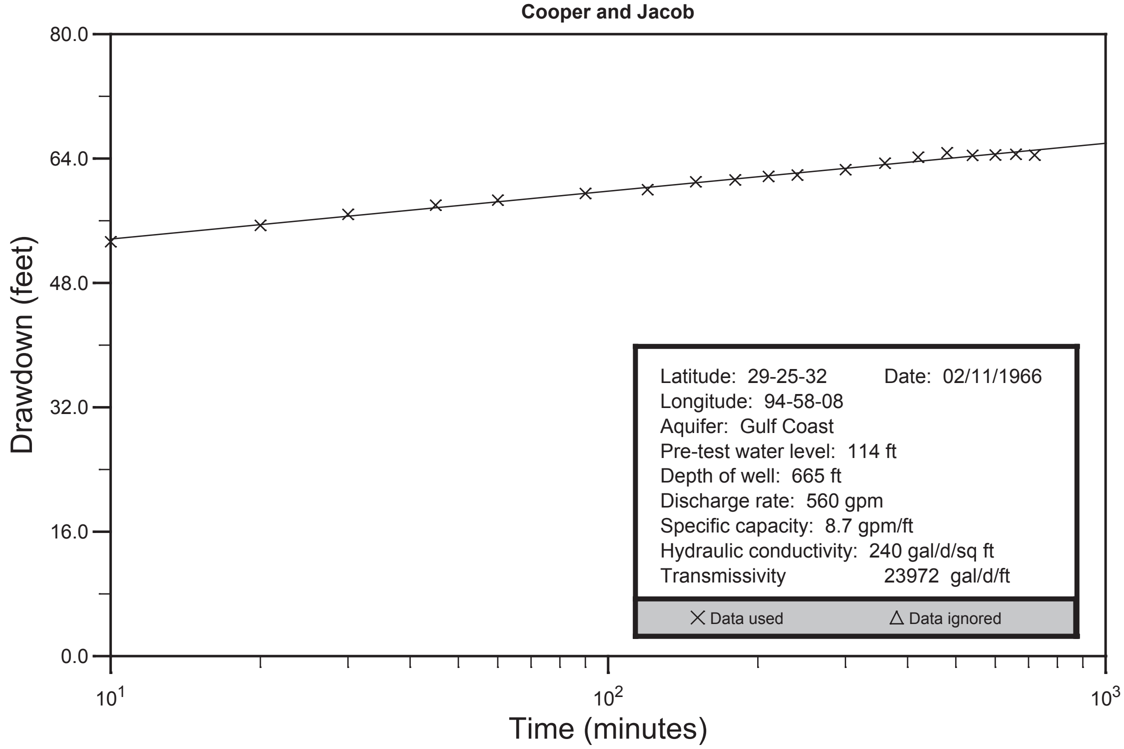

Galveston County Well No. 64-25-701
Cooper and Jacob
60.0
48.0
36.0
24.0
12.0
0.0
Drawdown (feet)
10^1
10^2
10^3
Time (minutes)
Latitude: 29-30-20
Date: 04/06/1965
Longitude: 94-59-27
Aquifer: Gulf Coast
Pre-test water level: 133.80 ft
Depth of well: 660 ft
Discharge rate: 524 gpm
Specific capacity: 11.2 gpm/ft
Hydraulic conductivity: 402 gal/d/sq ft
Transmissivity 20105 gal/d/ft
Data used
Data ignored

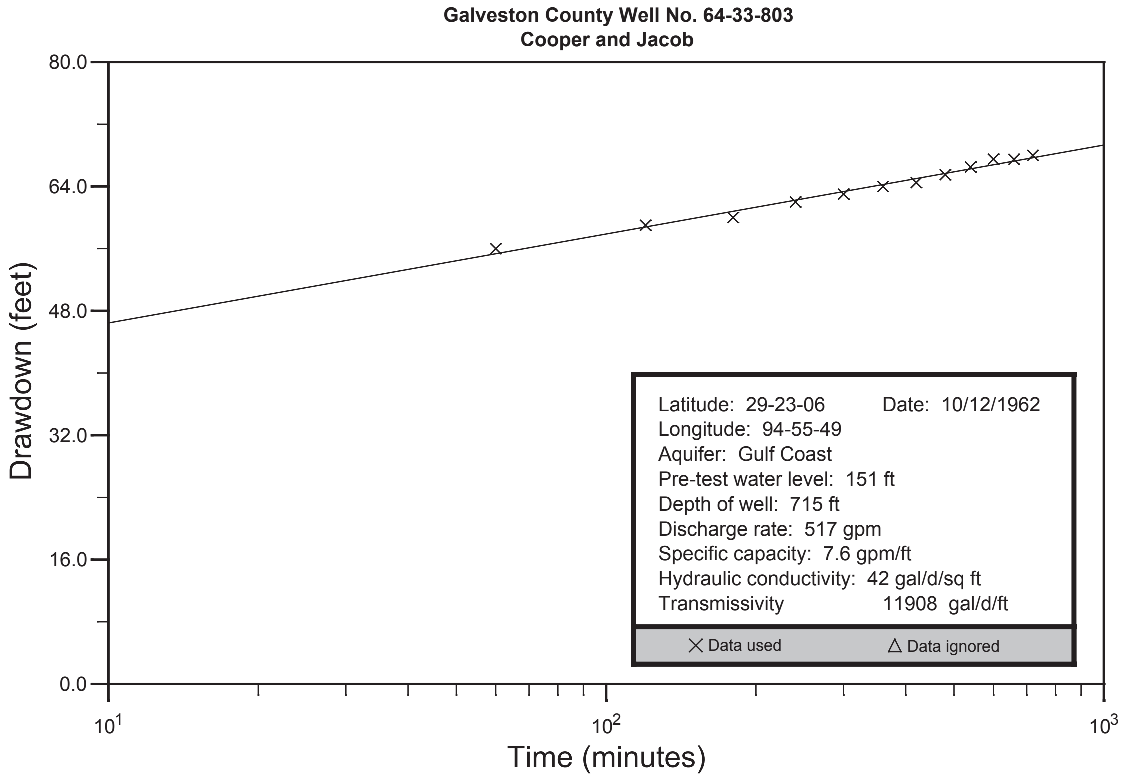

Galveston County Well No. 64-33-101
Cooper and Jacob
64.0
51.2
38.4
25.6
12.8
0.0
Drawdown (feet)
10^{-1}
10^0
10^1
10^2
10^3
10^4
Time (minutes)
Latitude: 29-29-01
Date: 12/11/1963
Longitude: 94-58-55
Aquifer: Gulf Coast
Pre-test water level: 122.46 ft
Depth of well: 664 ft
Discharge rate: 508 gpm
Specific capacity: 8.1 gpm/ft
Hydraulic conductivity: 143 gal/d/sq ft
Transmissivity 10998 gal/d/ft
Data used
Data ignored

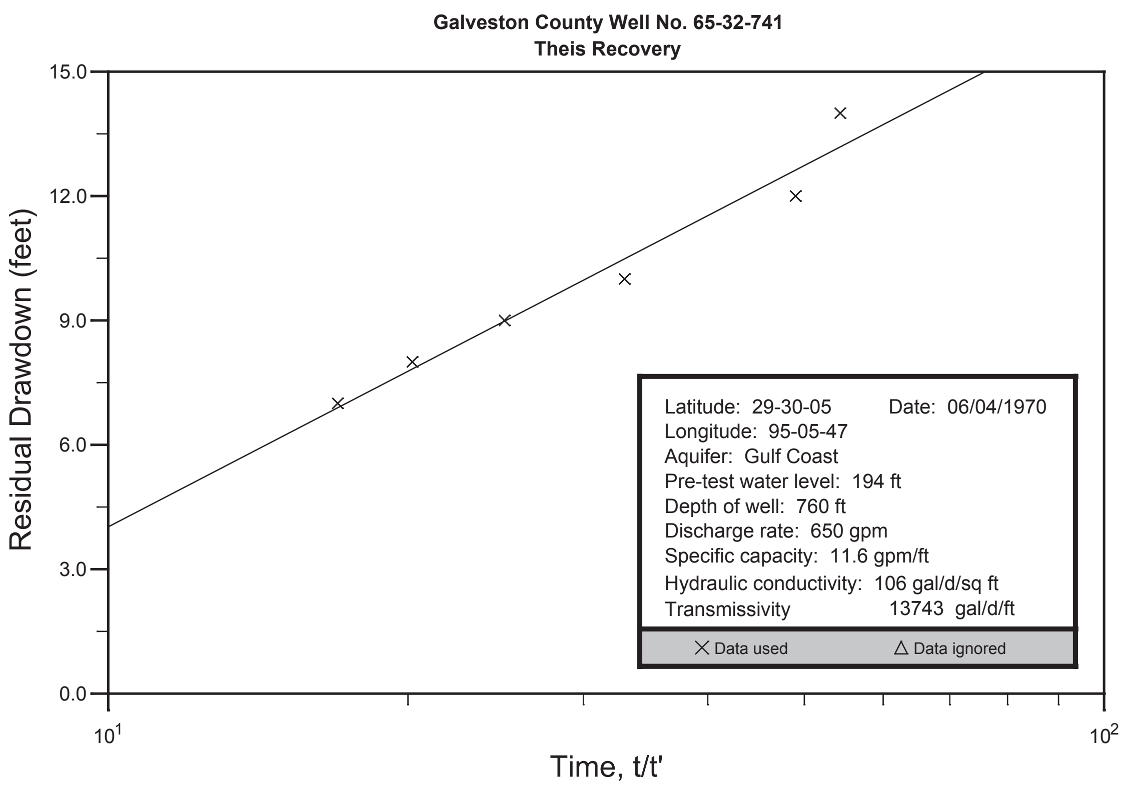
Galveston County Well No. 64-33-110
Theis Recovery

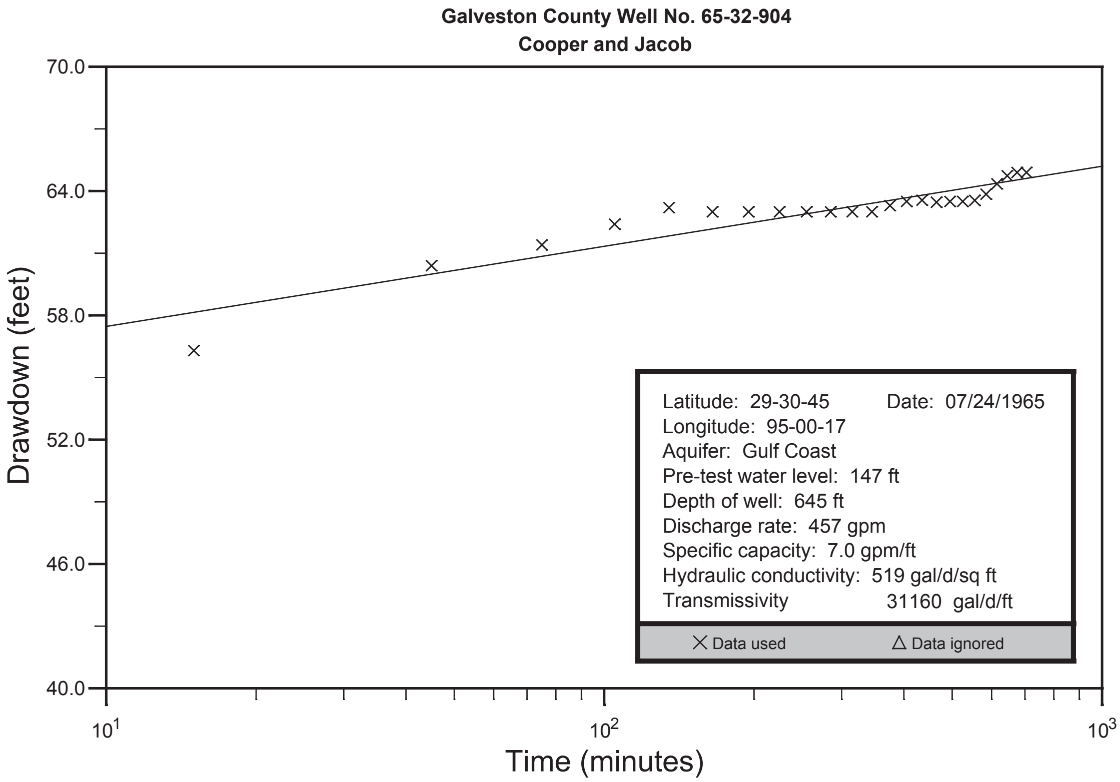


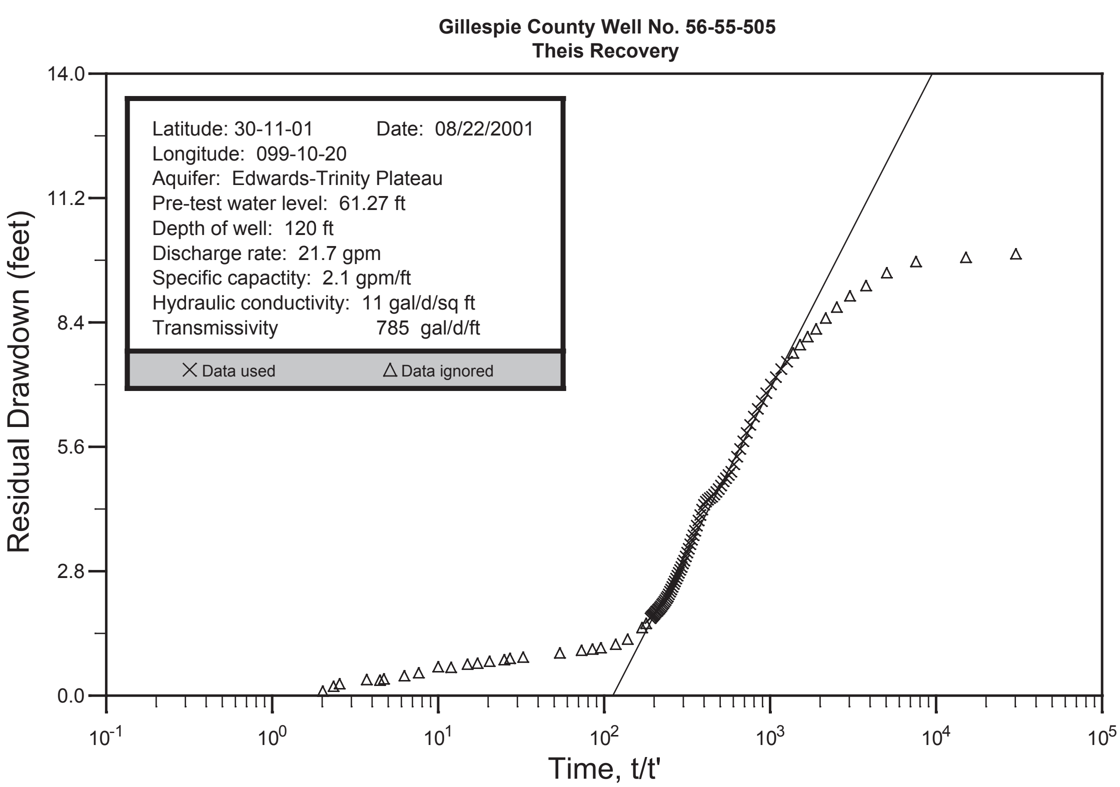
Galveston County Well No. 64-33-402
Cooper and Jacob

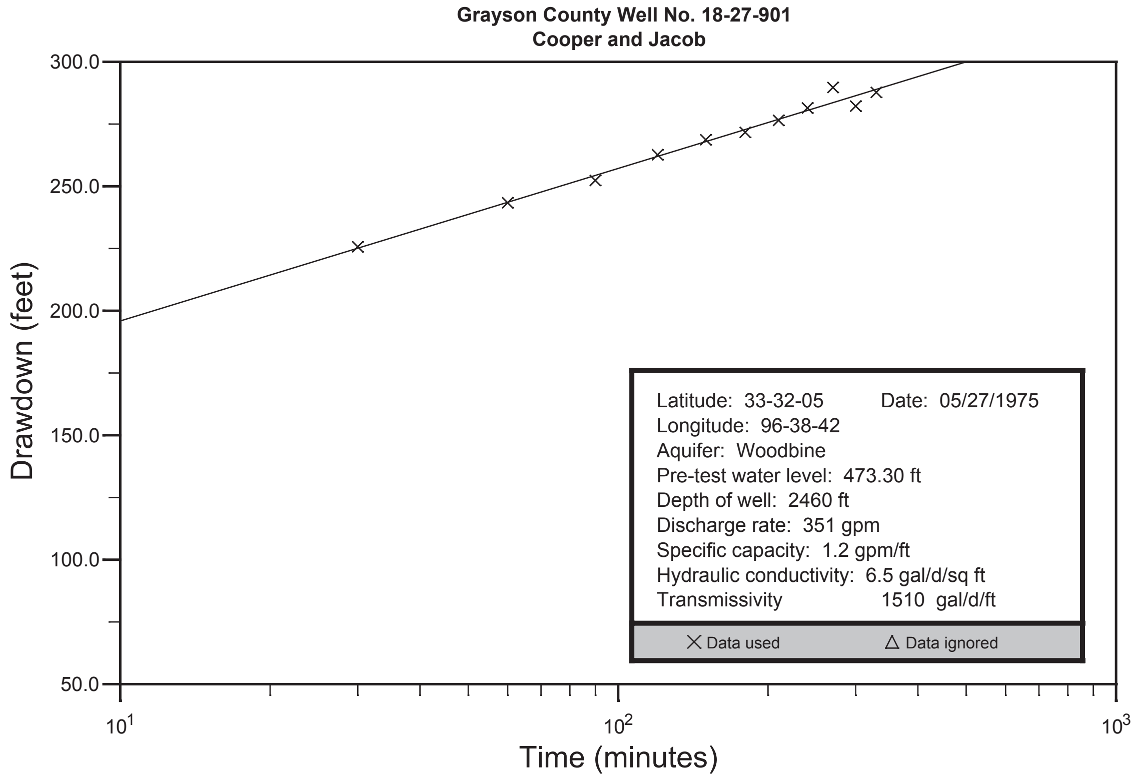


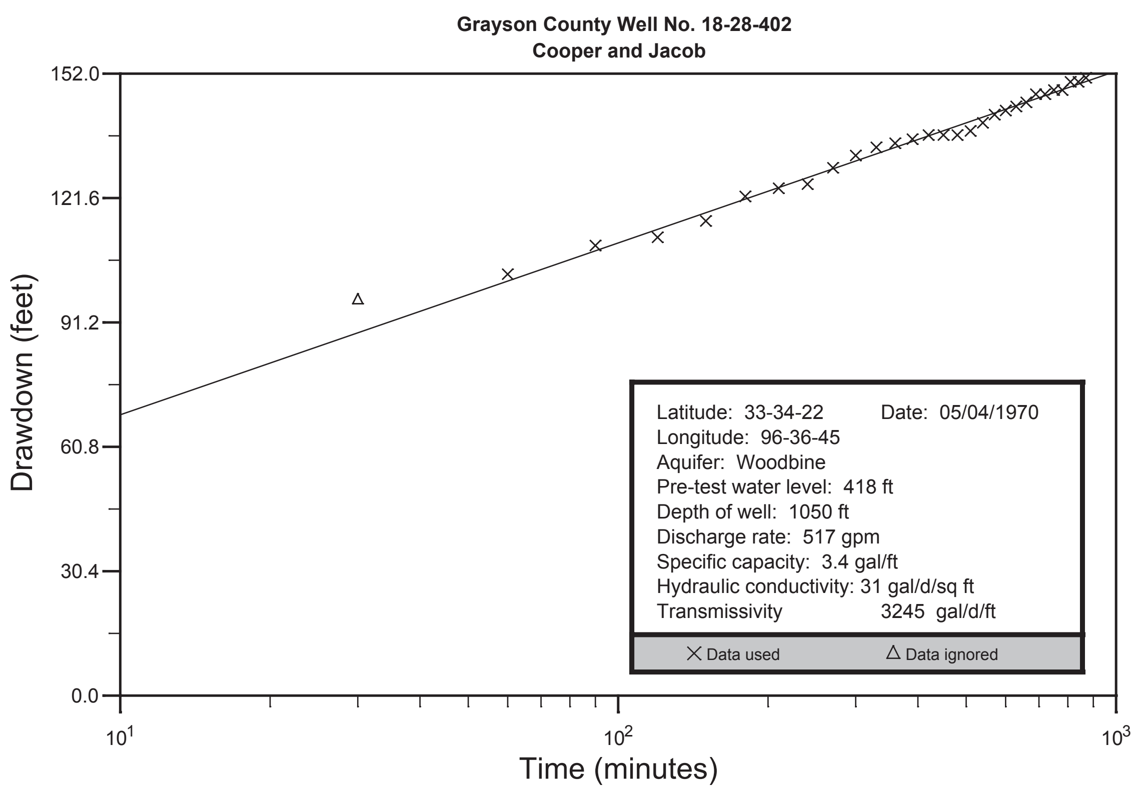

Galveston County Well No. 64-33-803
Cooper and Jacob
Drawdown (feet)
Time (minutes)
80.0
64.0
48.0
32.0
16.0
0.0
10^1
10^2
10^3
Latitude: 29-23-06
Date: 10/12/1962
Longitude: 94-55-49
Aquifer: Gulf Coast
Pre-test water level: 151 ft
Depth of well: 715 ft
Discharge rate: 517 gpm
Specific capacity: 7.6 gpm/ft
Hydraulic conductivity: 42 gal/d/sq ft
Transmissivity 11908 gal/d/ft
Data used
Data ignored

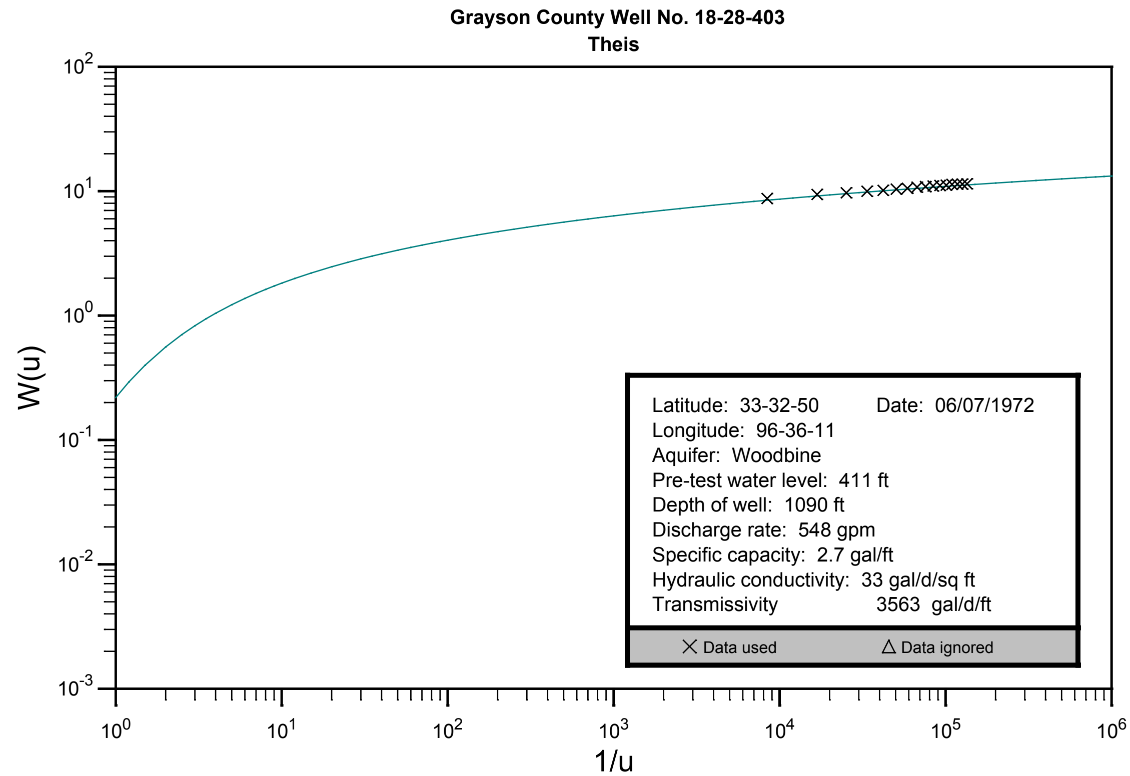

Galveston County Well No. 65-32-741
Theis Recovery
Residual Drawdown (feet)
Time, t/t'
15.0
12.0
9.0
6.0
3.0
0.0
10^1
10^2
Latitude: 29-30-05
Date: 06/04/1970
Longitude: 95-05-47
Aquifer: Gulf Coast
Pre-test water level: 194 ft
Depth of well: 760 ft
Discharge rate: 650 gpm
Specific capacity: 11.6 gpm/ft
Hydraulic conductivity: 106 gal/d/sq ft
Transmissivity 13743 gal/d/ft
Data used
Data ignored

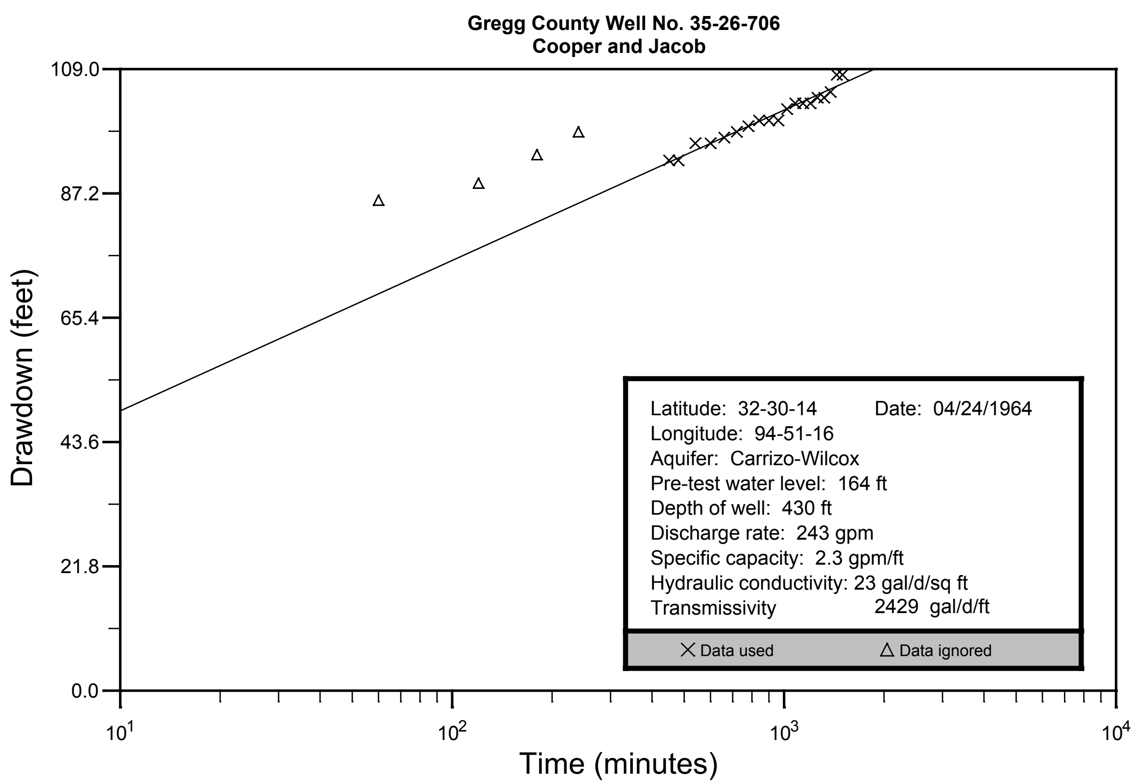

Galveston County Well No. 65-32-904
Cooper and Jacob
Drawdown (feet)
70.0
64.0
58.0
52.0
46.0
40.0
Time (minutes)
10^1
10^2
10^3
Latitude: 29-30-45
Date: 07/24/1965
Longitude: 95-00-17
Aquifer: Gulf Coast
Pre-test water level: 147 ft
Depth of well: 645 ft
Discharge rate: 457 gpm
Specific capacity: 7.0 gpm/ft
Hydraulic conductivity: 519 gal/d/sq ft
Transmissivity 31160 gal/d/ft
Data used
Data ignored

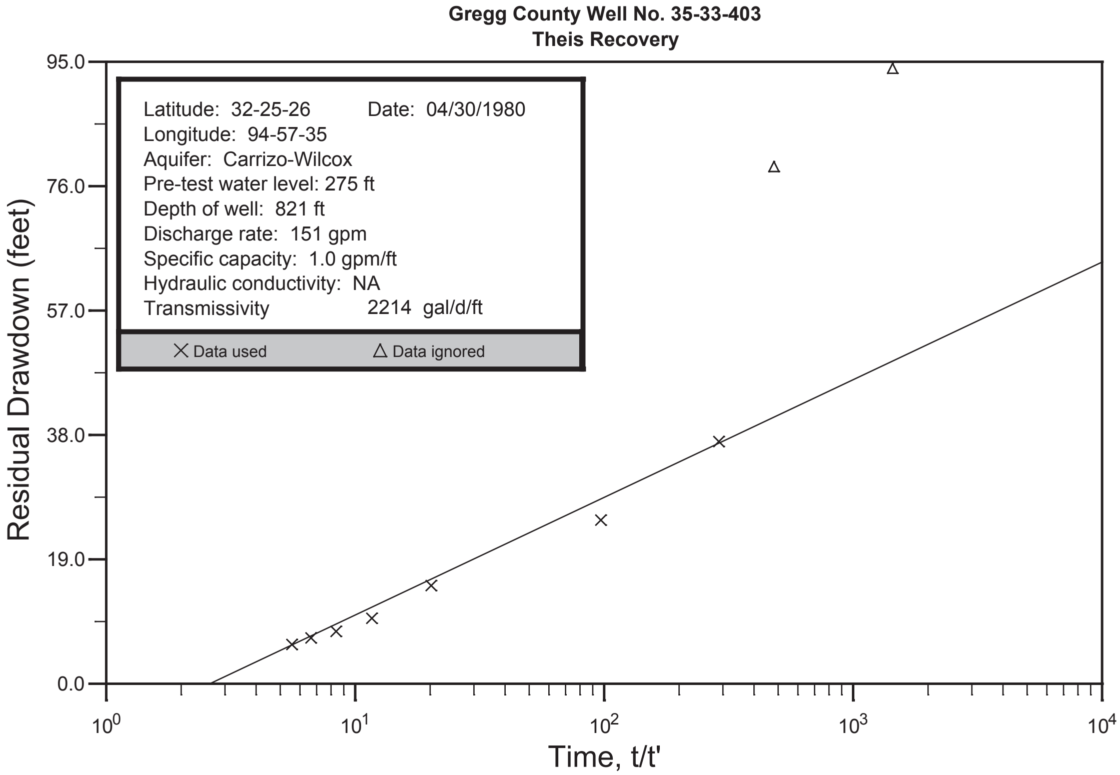

Gillespie County Well No. 56-55-505
Theis Recovery
Residual Drawdown (feet)
14.0
11.2
8.4
5.6
2.8
0.0
Time, t/t'
10^{-1}
10^0
10^1
10^2
10^3
10^4
10^5
Latitude: 30-11-01
Date: 08/22/2001
Longitude: 099-10-20
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 61.27 ft
Depth of well: 120 ft
Discharge rate: 21.7 gpm
Specific capactity: 2.1 gpm/ft
Hydraulic conductivity: 11 gal/d/sq ft
Transmissivity 785 gal/d/ft
Data used
Data ignored

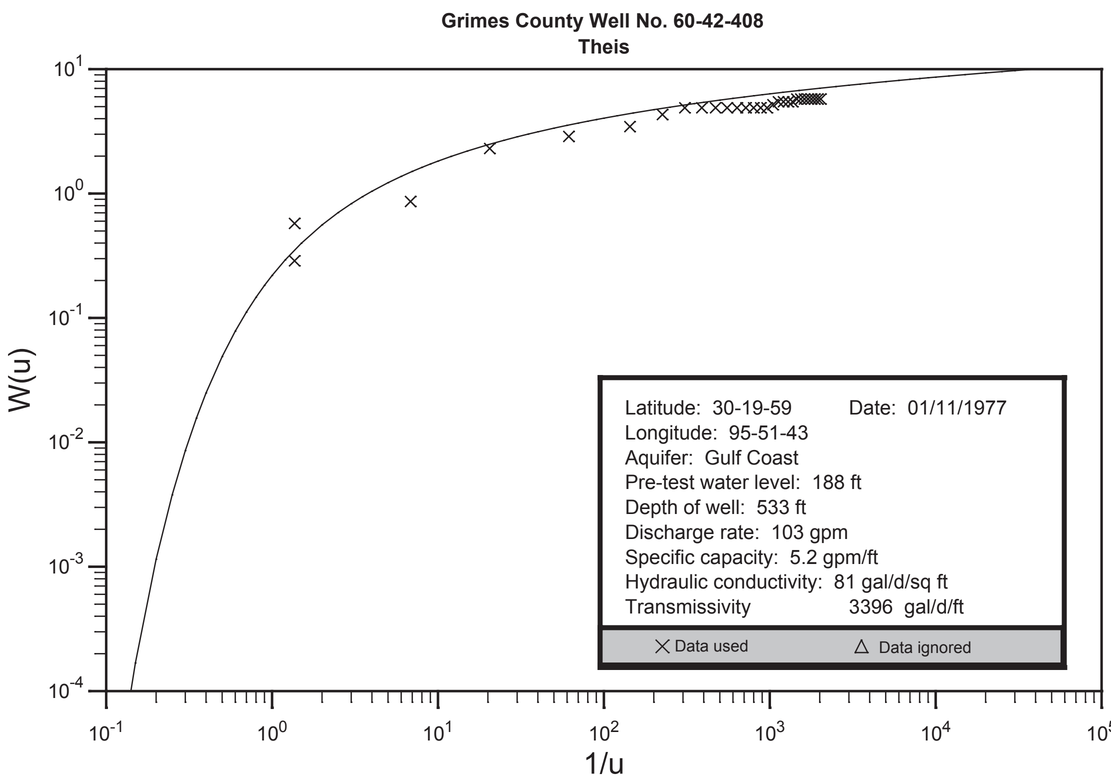

Grayson County Well No. 18-27-901
Cooper and Jacob
300.0
250.0
200.0
150.0
100.0
50.0
Drawdown (feet)
10^1
10^2
10^3
Time (minutes)
Latitude: 33-32-05
Date: 05/27/1975
Longitude: 96-38-42
Aquifer: Woodbine
Pre-test water level: 473.30 ft
Depth of well: 2460 ft
Discharge rate: 351 gpm
Specific capacity: 1.2 gpm/ft
Hydraulic conductivity: 6.5 gal/d/sq ft
Transmissivity 1510 gal/d/ft
Data used
Data ignored

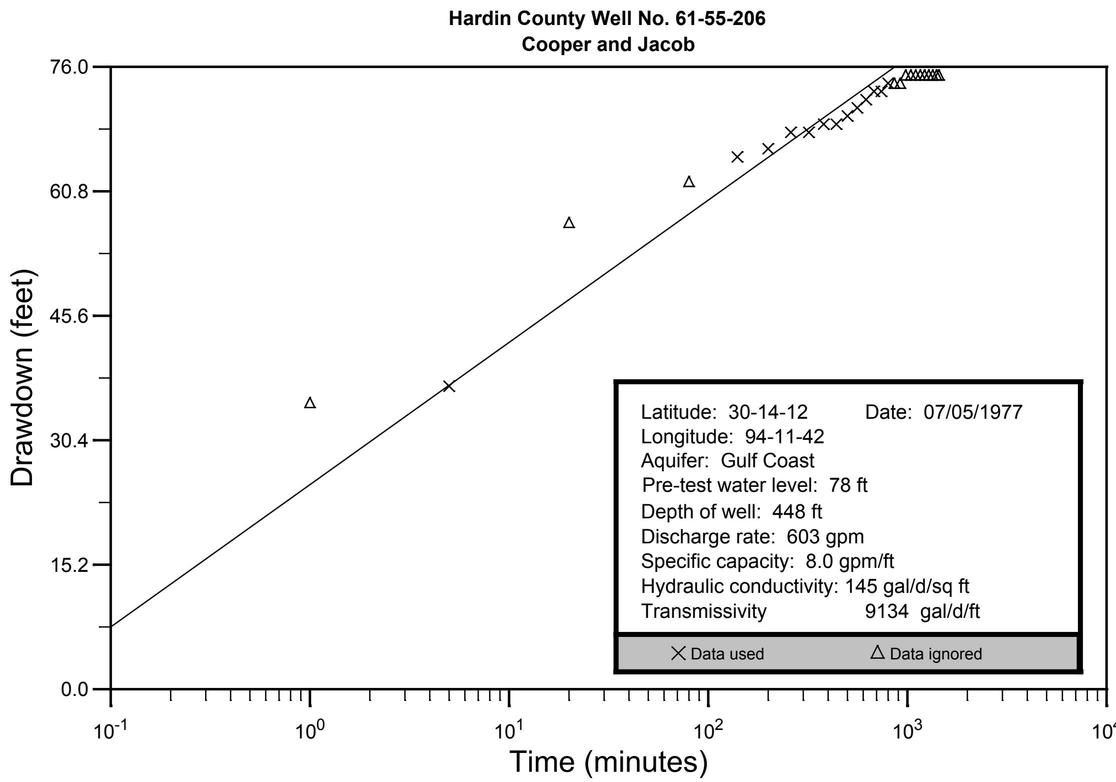

Grayson County Well No. 18-28-402
Cooper and Jacob
152.0
121.6
91.2
60.8
30.4
0.0
Drawdown (feet)
10^1
10^2
10^3
Time (minutes)
Latitude: 33-34-22
Date: 05/04/1970
Longitude: 96-36-45
Aquifer: Woodbine
Pre-test water level: 418 ft
Depth of well: 1050 ft
Discharge rate: 517 gpm
Specific capacity: 3.4 gal/ft
Hydraulic conductivity: 31 gal/d/sq ft
Transmissivity 3245 gal/d/ft
Data used
Data ignored

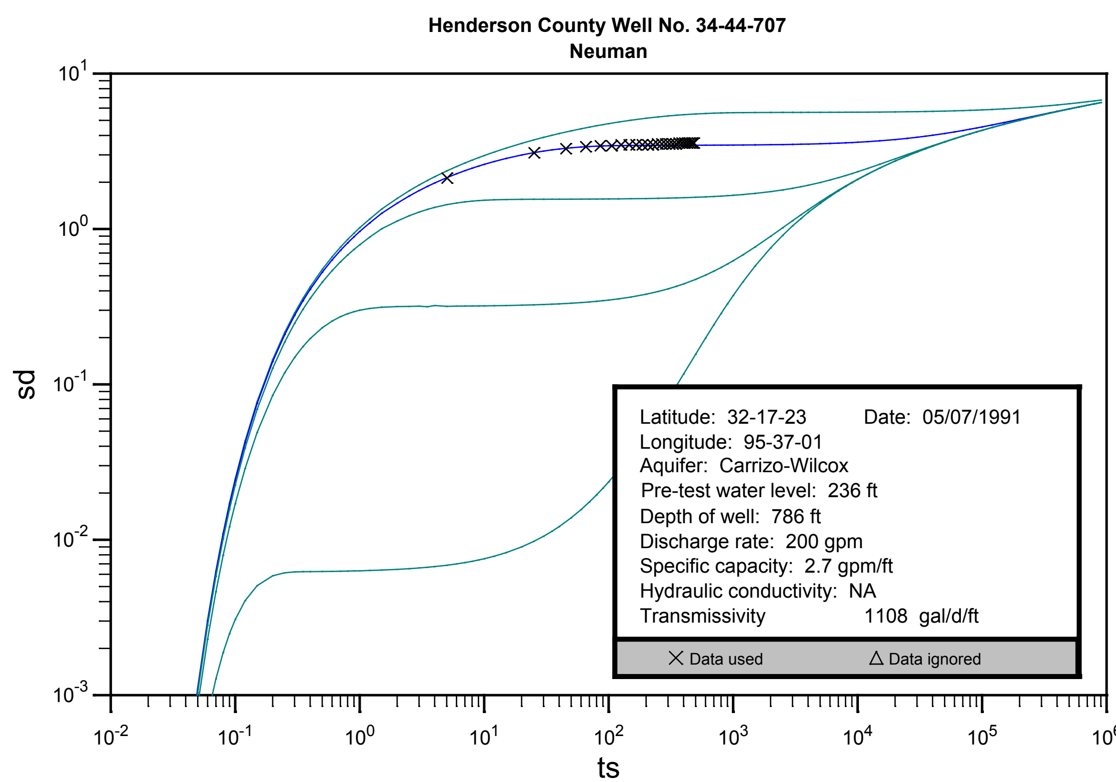

Grayson County Well No. 18-28-403
Theis
W(u)
1/u
Latitude: 33-32-50
Date: 06/07/1972
Longitude: 96-36-11
Aquifer: Woodbine
Pre-test water level: 411 ft
Depth of well: 1090 ft
Discharge rate: 548 gpm
Specific capacity: 2.7 gal/ft
Hydraulic conductivity: 33 gal/d/sq ft
Transmissivity 3563 gal/d/ft
Data used
Data ignored

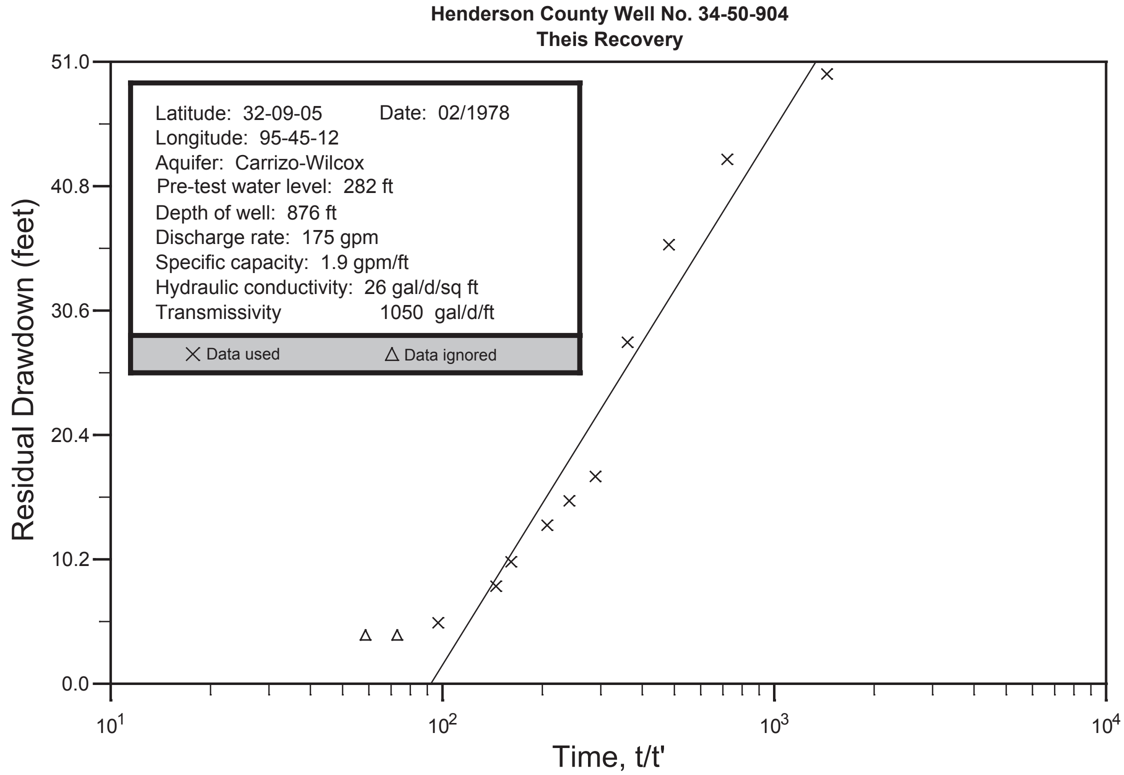

Gregg County Well No. 35-26-706
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 32-30-14
Date: 04/24/1964
Longitude: 94-51-16
Aquifer: Carrizo-Wilcox
Pre-test water level: 164 ft
Depth of well: 430 ft
Discharge rate: 243 gpm
Specific capacity: 2.3 gpm/ft
Hydraulic conductivity: 23 gal/d/sq ft
Transmissivity 2429 gal/d/ft
Data used
Data ignored

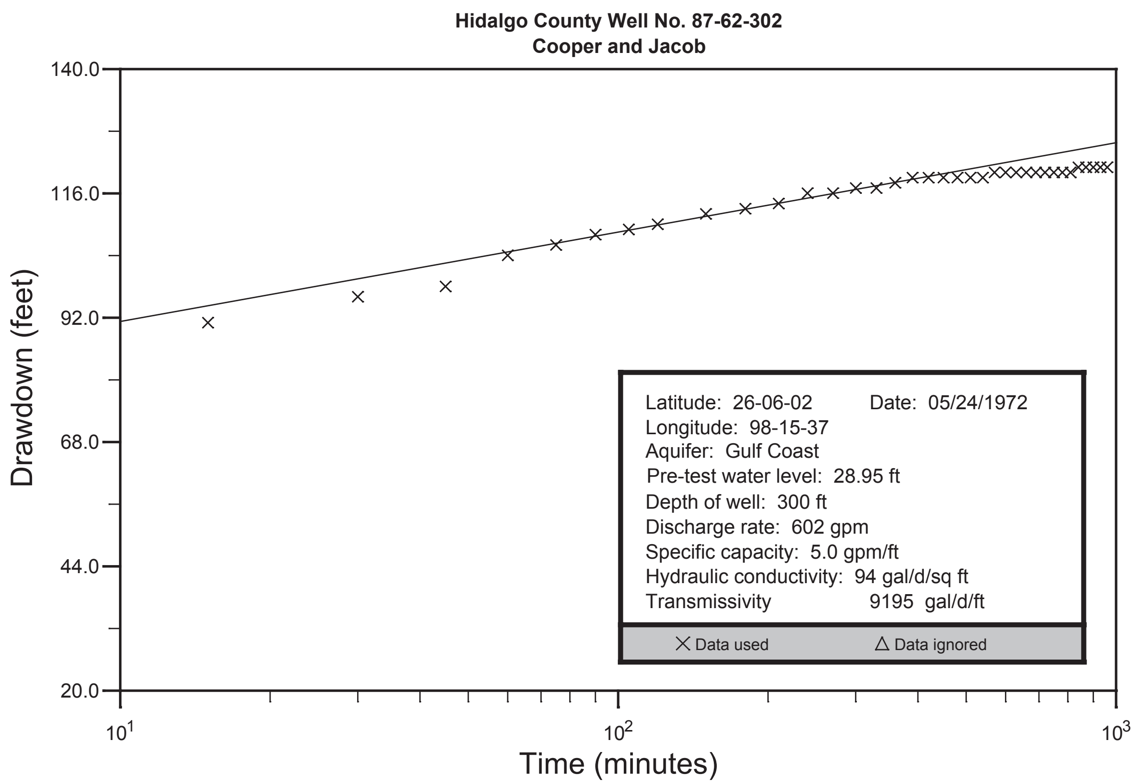

Gregg County Well No. 35-33-403
Theis Recovery
Latitude: 32-25-26
Date: 04/30/1980
Longitude: 94-57-35
Aquifer: Carrizo-Wilcox
Pre-test water level: 275 ft
Depth of well: 821 ft
Discharge rate: 151 gpm
Specific capacity: 1.0 gpm/ft
Hydraulic conductivity: NA
Transmissivity 2214 gal/d/ft
Data used
Data ignored
95.0
76.0
57.0
38.0
19.0
0.0
Residual Drawdown (feet)
10^0
10^1
10^2
10^3
10^4
Time, t/t'

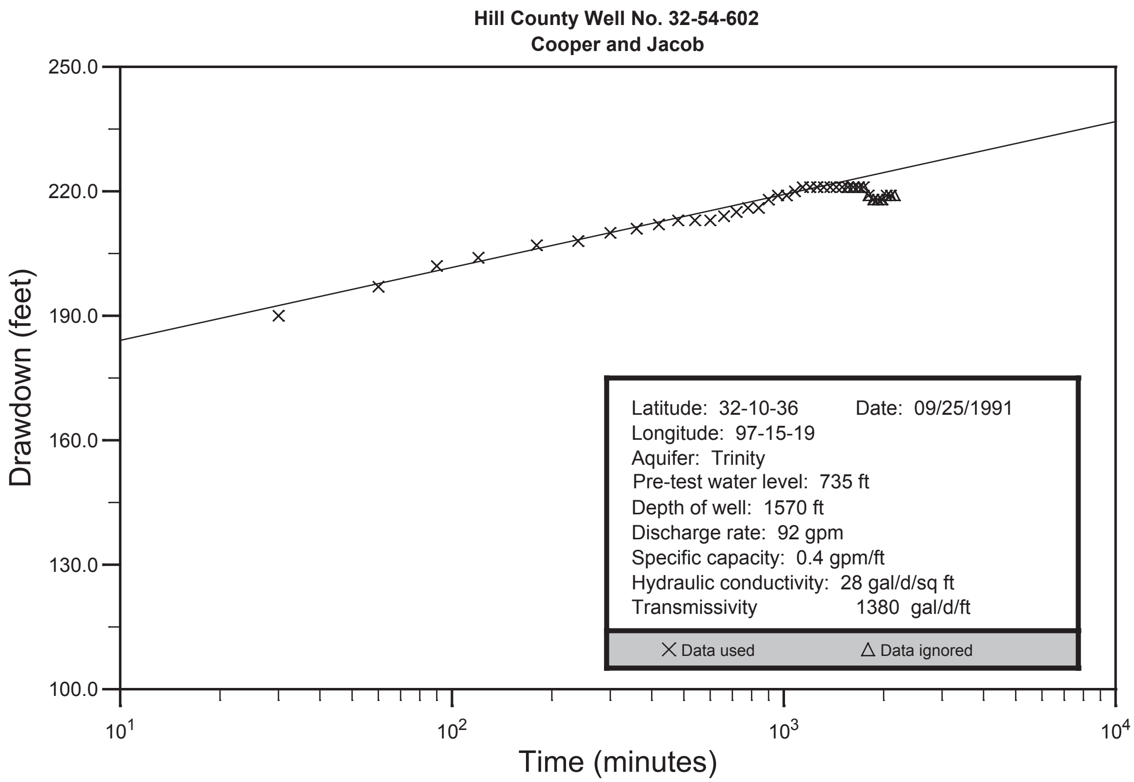

Grimes County Well No. 60-42-408
Theis
Latitude: 30-19-59
Date: 01/11/1977
Longitude: 95-51-43
Aquifer: Gulf Coast
Pre-test water level: 188 ft
Depth of well: 533 ft
Discharge rate: 103 gpm
Specific capacity: 5.2 gpm/ft
Hydraulic conductivity: 81 gal/d/sq ft
Transmissivity 3396 gal/d/ft
Data used
Data ignored
W(u)
10^1
10^0
10^-1
10^-2
10^-3
10^-4
10^-1
10^0
10^1
10^2
10^3
10^4
10^5
1/u

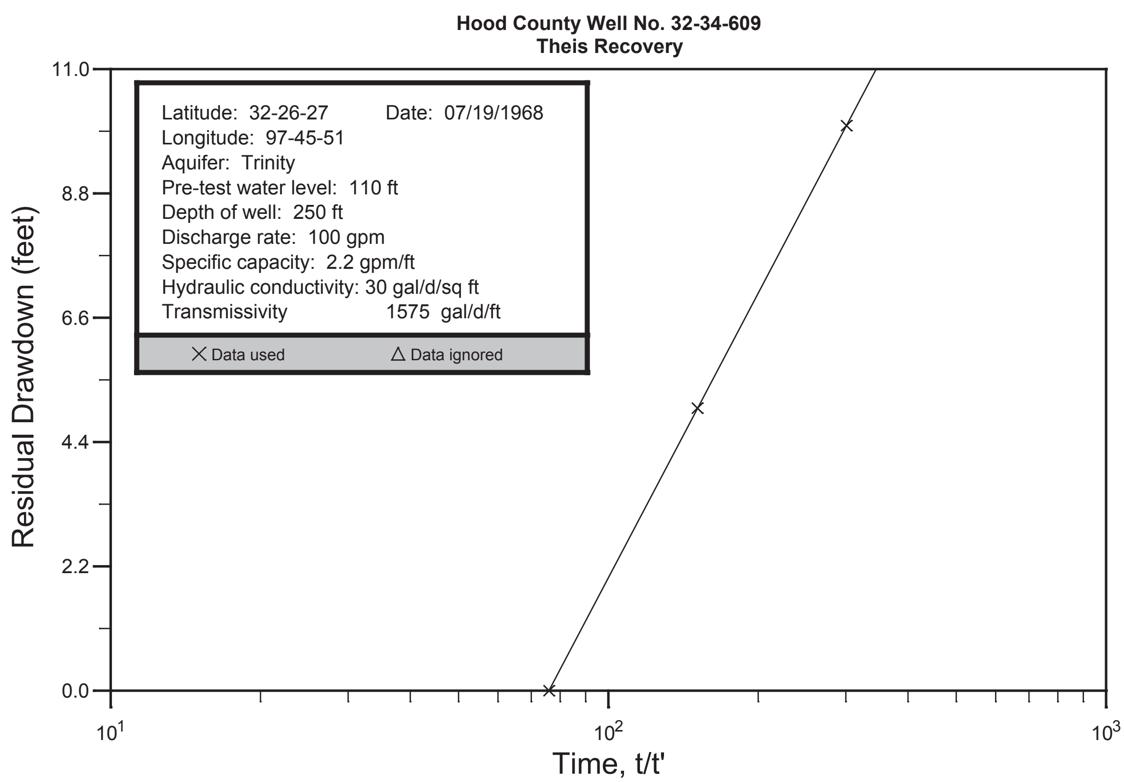

Hardin County Well No. 61-55-206
Cooper and Jacob
Drawdown (feet)
Time (minutes)
76.0
60.8
45.6
30.4
15.2
0.0
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
Latitude: 30-14-12
Date: 07/05/1977
Longitude: 94-11-42
Aquifer: Gulf Coast
Pre-test water level: 78 ft
Depth of well: 448 ft
Discharge rate: 603 gpm
Specific capacity: 8.0 gpm/ft
Hydraulic conductivity: 145 gal/d/sq ft
Transmissivity 9134 gal/d/ft
Data used
Data ignored

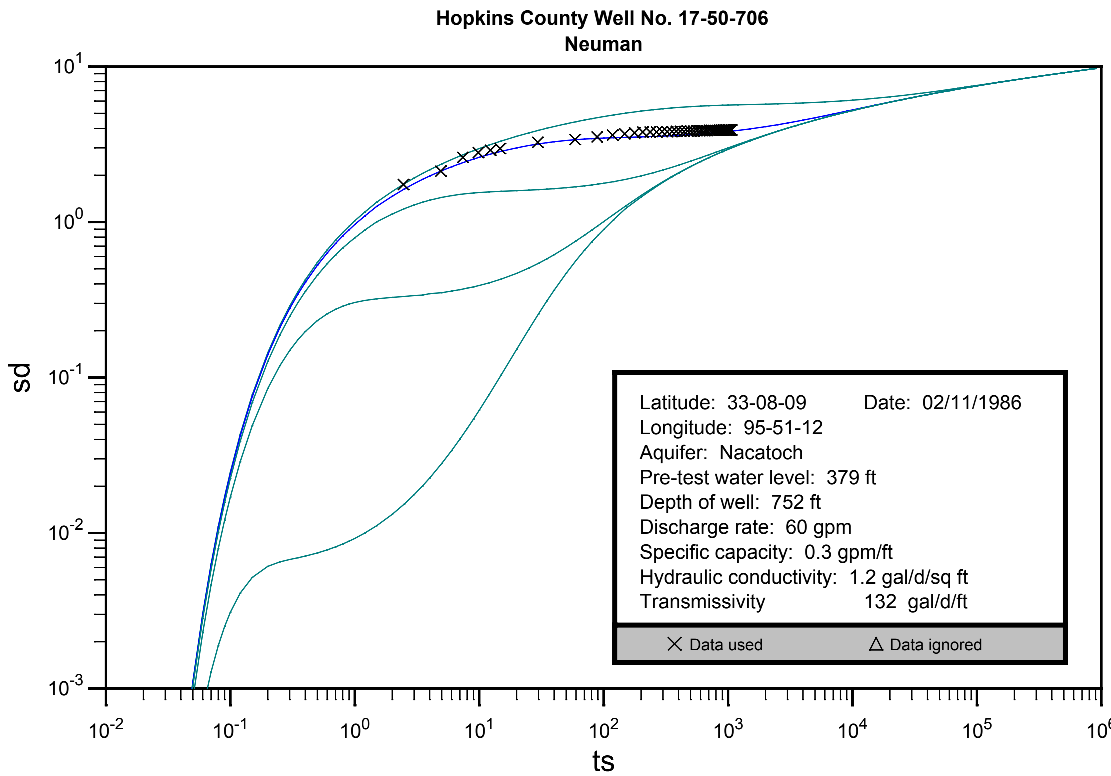

Henderson County Well No. 34-44-707
Neuman
sd
ts
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-2}
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
10^{6}
Latitude: 32-17-23
Date: 05/07/1991
Longitude: 95-37-01
Aquifer: Carrizo-Wilcox
Pre-test water level: 236 ft
Depth of well: 786 ft
Discharge rate: 200 gpm
Specific capacity: 2.7 gpm/ft
Hydraulic conductivity: NA
Transmissivity 1108 gal/d/ft
Data used
Data ignored

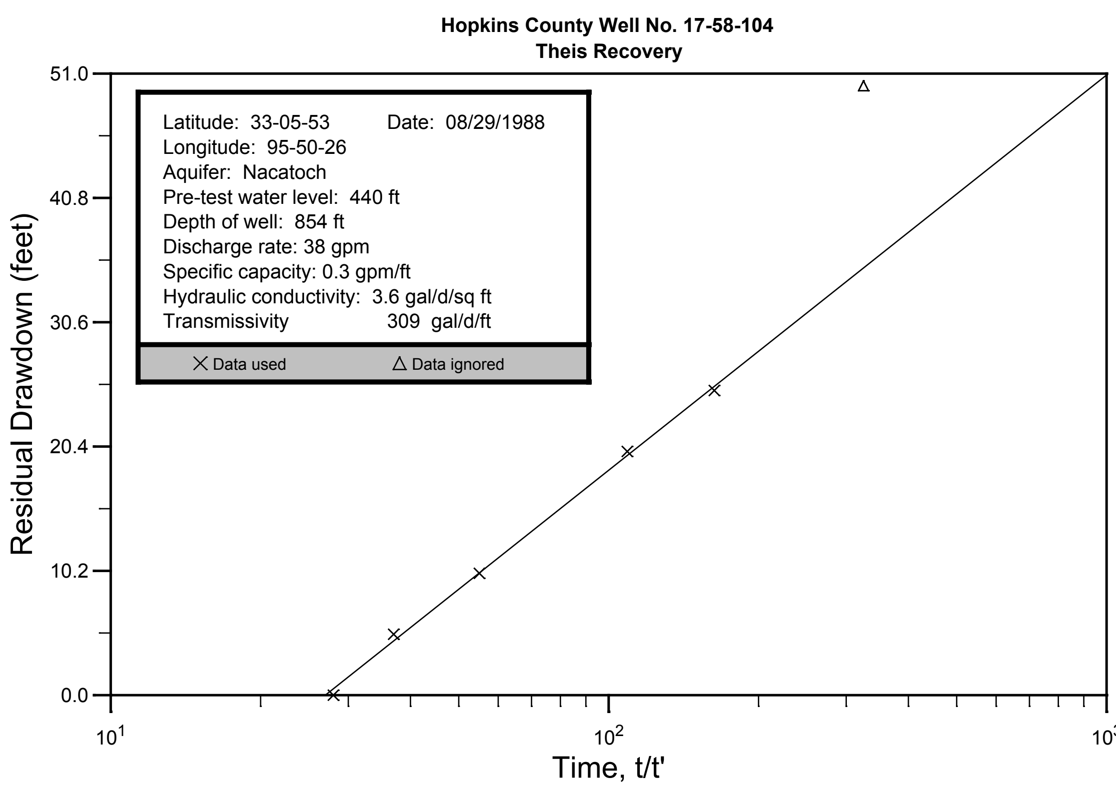

Henderson County Well No. 34-50-904
Theis Recovery
Latitude: 32-09-05
Date: 02/1978
Longitude: 95-45-12
Aquifer: Carrizo-Wilcox
Pre-test water level: 282 ft
Depth of well: 876 ft
Discharge rate: 175 gpm
Specific capacity: 1.9 gpm/ft
Hydraulic conductivity: 26 gal/d/sq ft
Transmissivity 1050 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
51.0
40.8
30.6
20.4
10.2
0.0
10^1
10^2
10^3
10^4
Time, t/t'

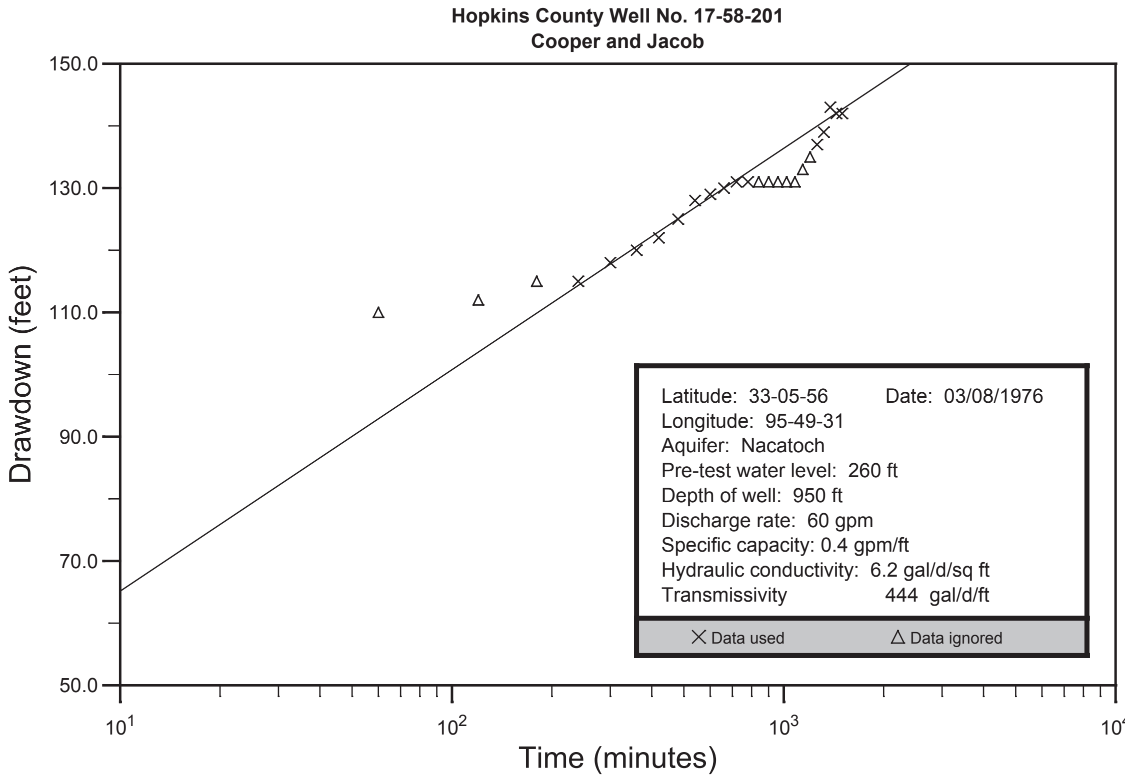

Hidalgo County Well No. 87-62-302
Cooper and Jacob
Latitude: 26-06-02
Date: 05/24/1972
Longitude: 98-15-37
Aquifer: Gulf Coast
Pre-test water level: 28.95 ft
Depth of well: 300 ft
Discharge rate: 602 gpm
Specific capacity: 5.0 gpm/ft
Hydraulic conductivity: 94 gal/d/sq ft
Transmissivity 9195 gal/d/ft
Data used
Data ignored
Drawdown (feet)
140.0
116.0
92.0
68.0
44.0
20.0
10^1
10^2
10^3
Time (minutes)

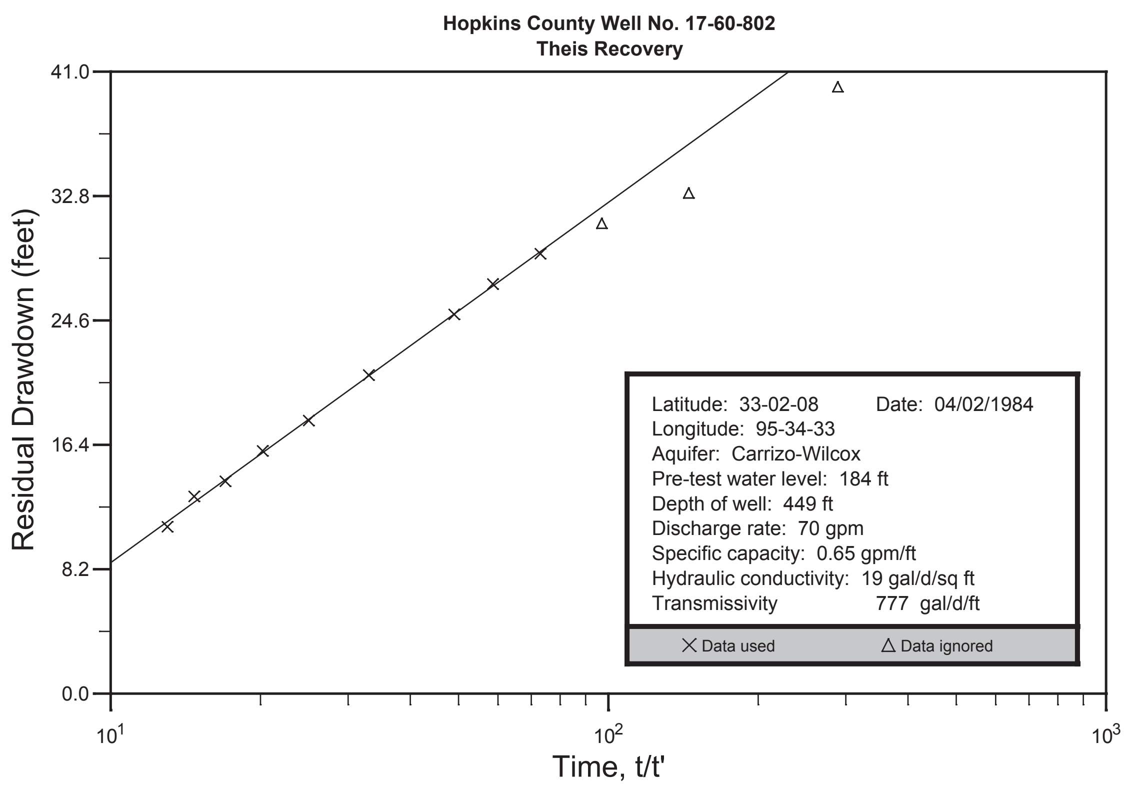

Hill County Well No. 32-54-602
Cooper and Jacob
Drawdown (feet)
Time (minutes)
250.0
220.0
190.0
160.0
130.0
100.0
10^1
10^2
10^3
10^4
Latitude: 32-10-36
Date: 09/25/1991
Longitude: 97-15-19
Aquifer: Trinity
Pre-test water level: 735 ft
Depth of well: 1570 ft
Discharge rate: 92 gpm
Specific capacity: 0.4 gpm/ft
Hydraulic conductivity: 28 gal/d/sq ft
Transmissivity 1380 gal/d/ft
× Data used
△ Data ignored

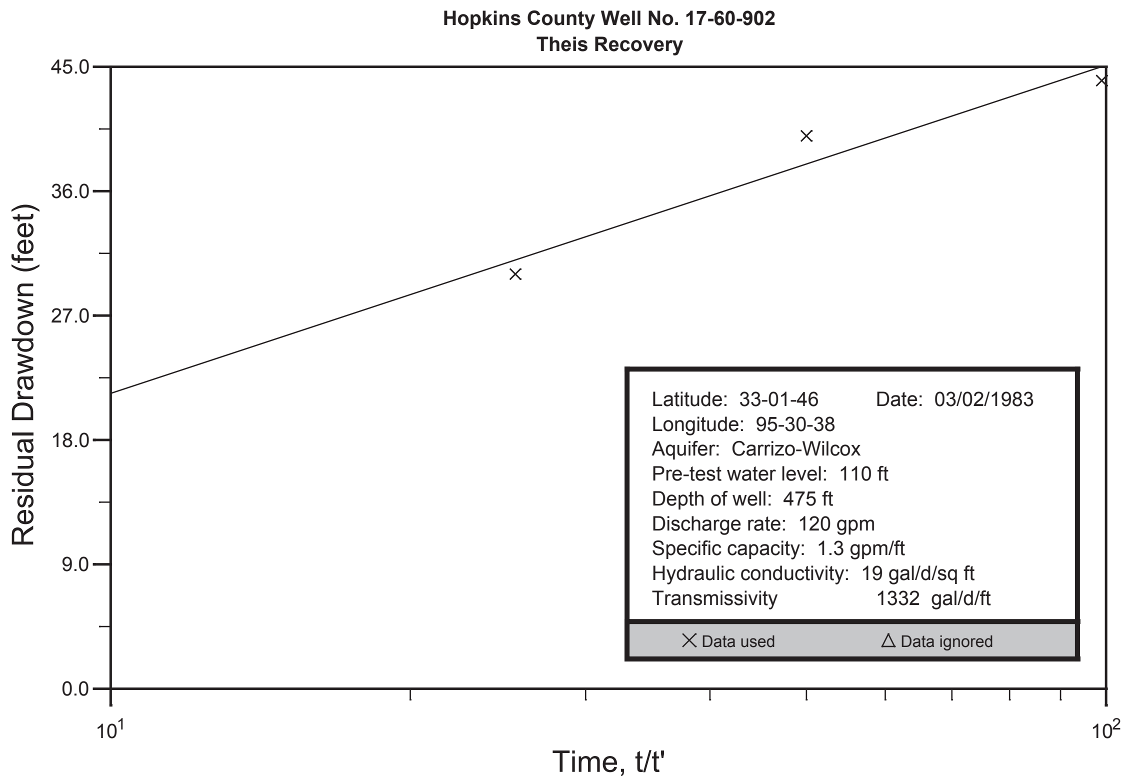

Hood County Well No. 32-34-609
Theis Recovery
Residual Drawdown (feet)
Time, t/t'
11.0
8.8
6.6
4.4
2.2
0.0
10^1
10^2
10^3
Latitude: 32-26-27
Date: 07/19/1968
Longitude: 97-45-51
Aquifer: Trinity
Pre-test water level: 110 ft
Depth of well: 250 ft
Discharge rate: 100 gpm
Specific capacity: 2.2 gpm/ft
Hydraulic conductivity: 30 gal/d/sq ft
Transmissivity 1575 gal/d/ft
× Data used
△ Data ignored

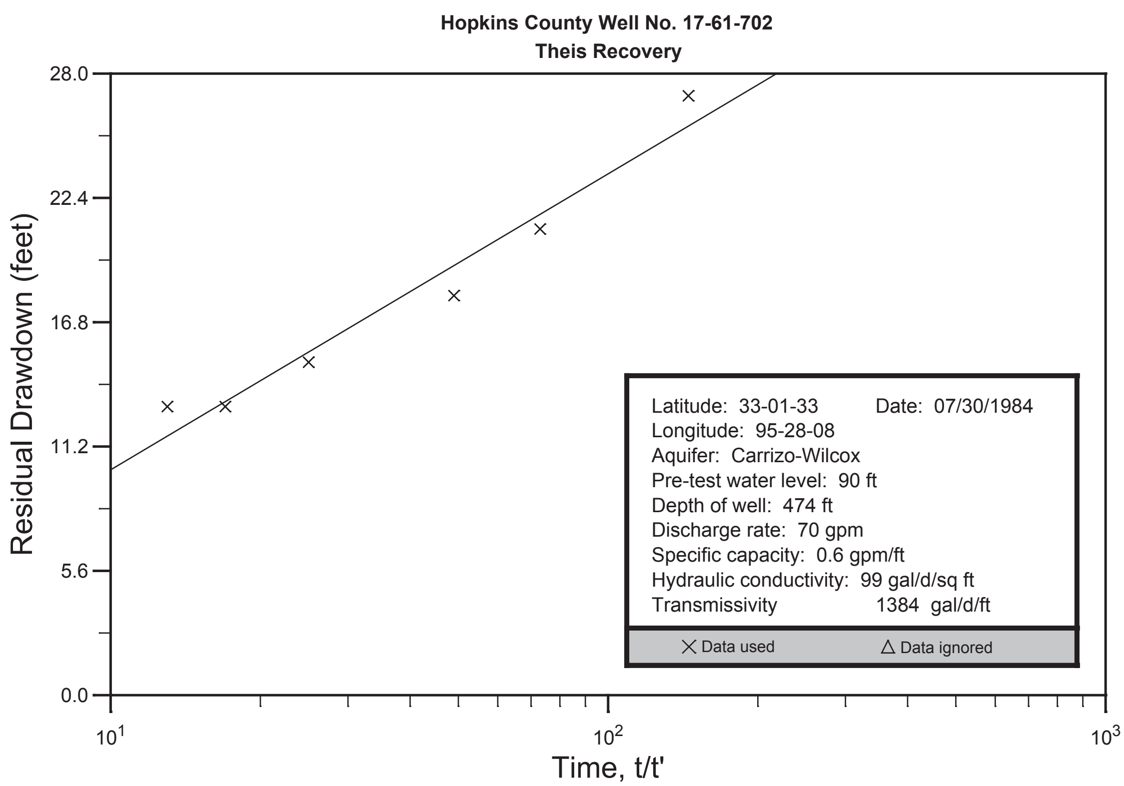

Hopkins County Well No. 17-50-706
Neuman
sd
ts
Latitude: 33-08-09
Date: 02/11/1986
Longitude: 95-51-12
Aquifer: Nacatoch
Pre-test water level: 379 ft
Depth of well: 752 ft
Discharge rate: 60 gpm
Specific capacity: 0.3 gpm/ft
Hydraulic conductivity: 1.2 gal/d/sq ft
Transmissivity 132 gal/d/ft
Data used
Data ignored

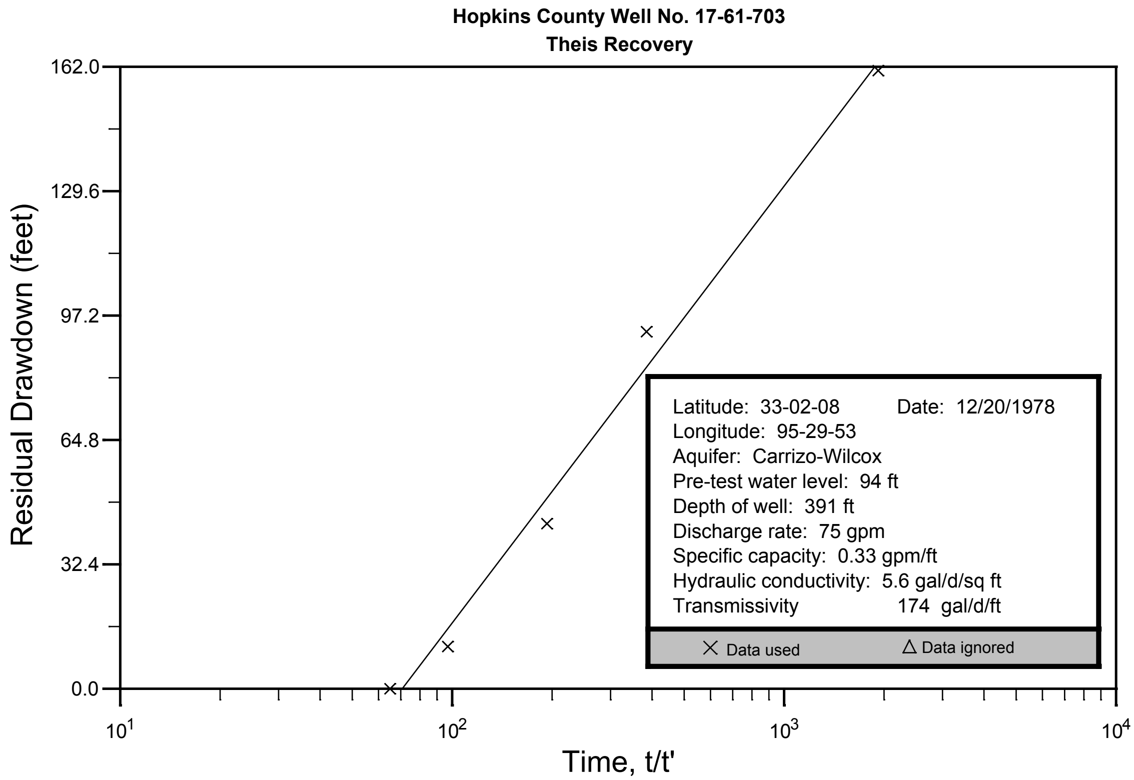

Hopkins County Well No. 17-58-104
Theis Recovery
Residual Drawdown (feet)
Time, t/t'
51.0
40.8
30.6
20.4
10.2
0.0
Latitude: 33-05-53
Date: 08/29/1988
Longitude: 95-50-26
Aquifer: Nacatoch
Pre-test water level: 440 ft
Depth of well: 854 ft
Discharge rate: 38 gpm
Specific capacity: 0.3 gpm/ft
Hydraulic conductivity: 3.6 gal/d/sq ft
Transmissivity 309 gal/d/ft
Data used
Data ignored

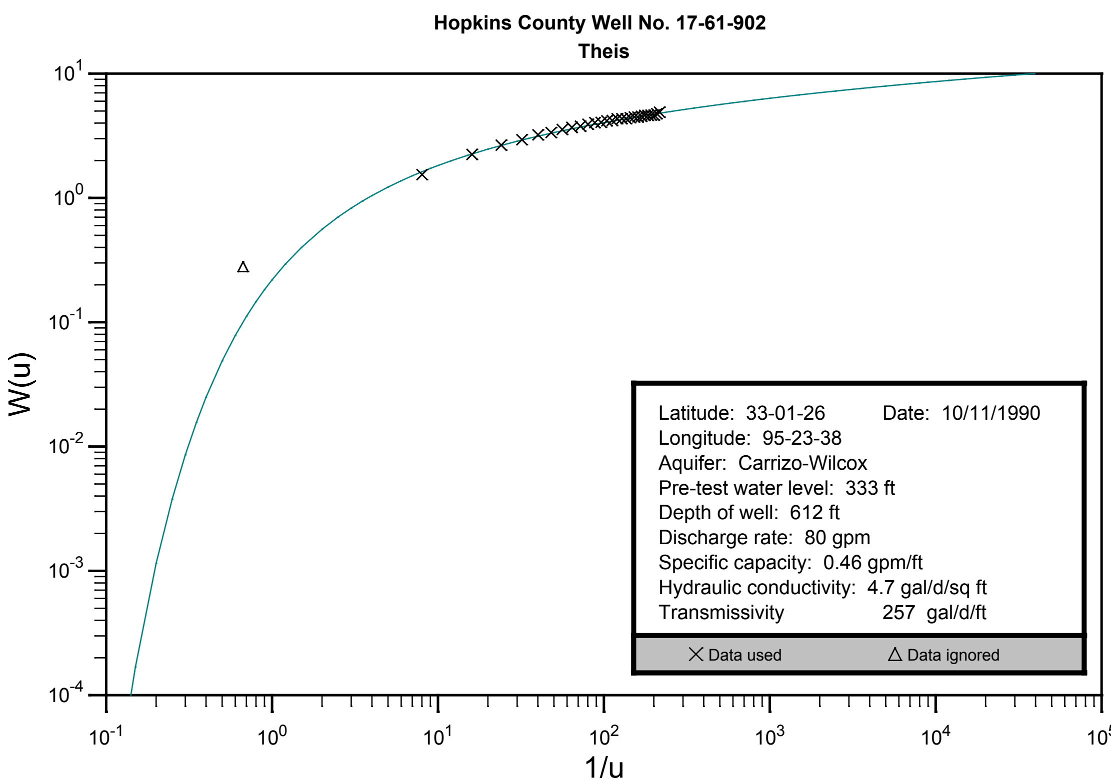

Hopkins County Well No. 17-58-201
Cooper and Jacob
150.0
130.0
110.0
90.0
70.0
50.0
Drawdown (feet)
10^1
10^2
10^3
10^4
Time (minutes)
Latitude: 33-05-56
Date: 03/08/1976
Longitude: 95-49-31
Aquifer: Nacatoch
Pre-test water level: 260 ft
Depth of well: 950 ft
Discharge rate: 60 gpm
Specific capacity: 0.4 gpm/ft
Hydraulic conductivity: 6.2 gal/d/sq ft
Transmissivity 444 gal/d/ft
Data used
Data ignored

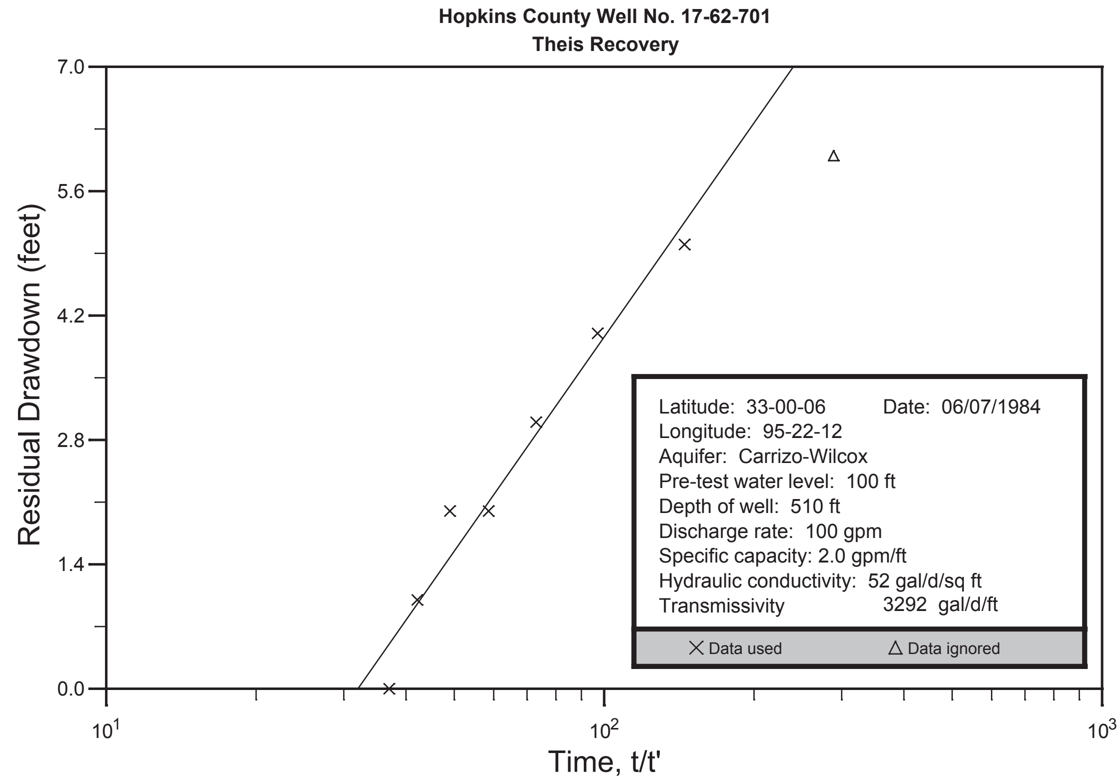

Hopkins County Well No. 17-60-802
Theis Recovery
41.0
32.8
24.6
16.4
8.2
0.0
Residual Drawdown (feet)
10^1
10^2
10^3
Time, t/t'
Latitude: 33-02-08
Date: 04/02/1984
Longitude: 95-34-33
Aquifer: Carrizo-Wilcox
Pre-test water level: 184 ft
Depth of well: 449 ft
Discharge rate: 70 gpm
Specific capacity: 0.65 gpm/ft
Hydraulic conductivity: 19 gal/d/sq ft
Transmissivity 777 gal/d/ft
Data used
Data ignored

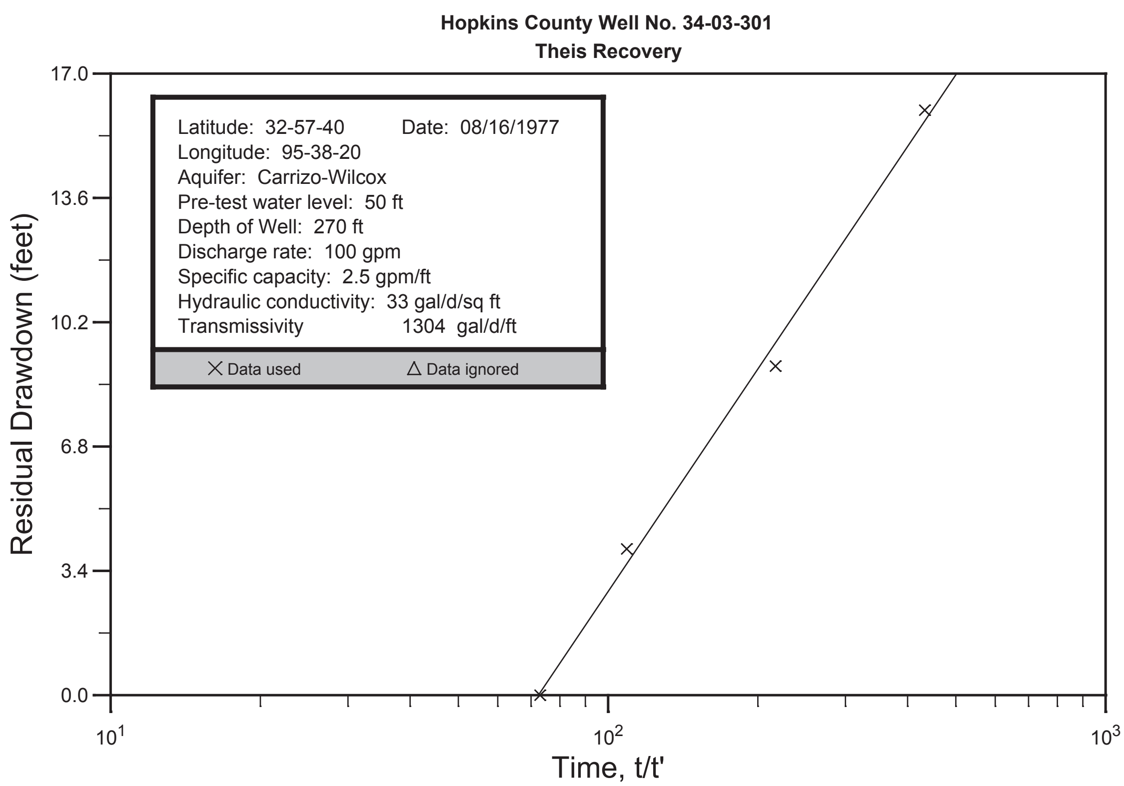

Hopkins County Well No. 17-60-902
Theis Recovery
Residual Drawdown (feet)
45.0
36.0
27.0
18.0
9.0
0.0
10^1
10^2
Time, t/t'
Latitude: 33-01-46
Date: 03/02/1983
Longitude: 95-30-38
Aquifer: Carrizo-Wilcox
Pre-test water level: 110 ft
Depth of well: 475 ft
Discharge rate: 120 gpm
Specific capacity: 1.3 gpm/ft
Hydraulic conductivity: 19 gal/d/sq ft
Transmissivity 1332 gal/d/ft
Data used
Data ignored

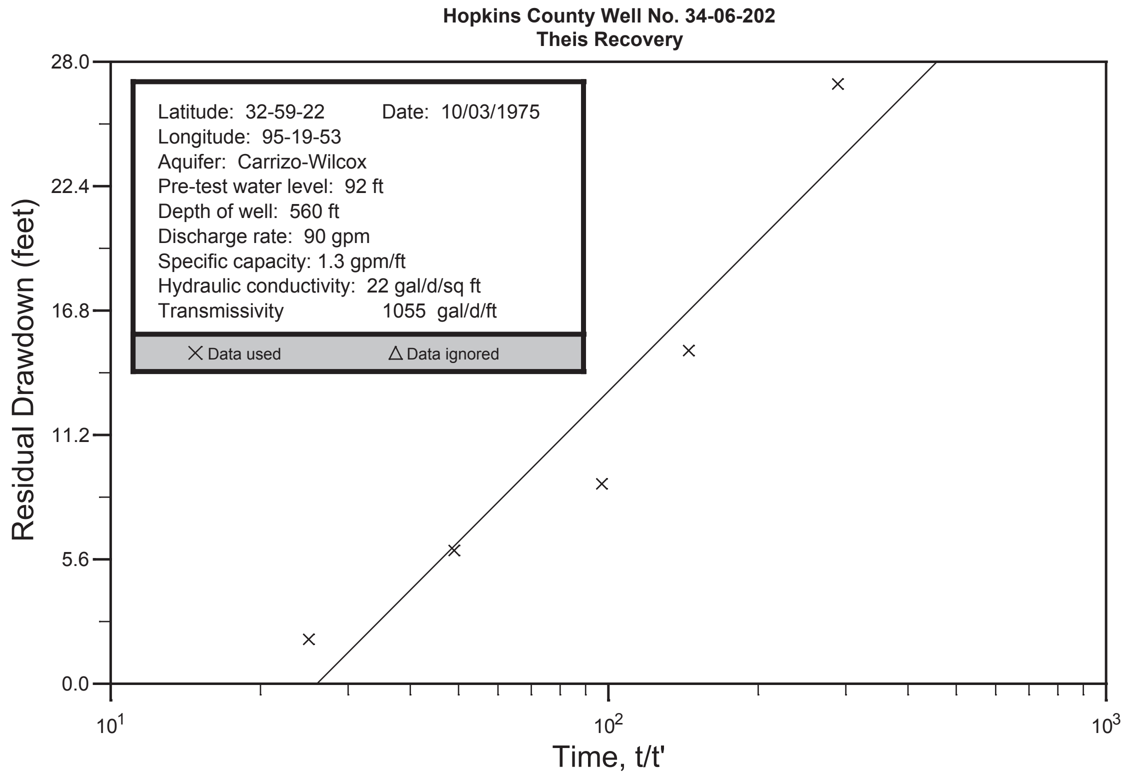

Hopkins County Well No. 17-61-702
Theis Recovery
Residual Drawdown (feet)
28.0
22.4
16.8
11.2
5.6
0.0
10^1
10^2
10^3
Time, t/t'
Latitude: 33-01-33
Date: 07/30/1984
Longitude: 95-28-08
Aquifer: Carrizo-Wilcox
Pre-test water level: 90 ft
Depth of well: 474 ft
Discharge rate: 70 gpm
Specific capacity: 0.6 gpm/ft
Hydraulic conductivity: 99 gal/d/sq ft
Transmissivity 1384 gal/d/ft
Data used
Data ignored

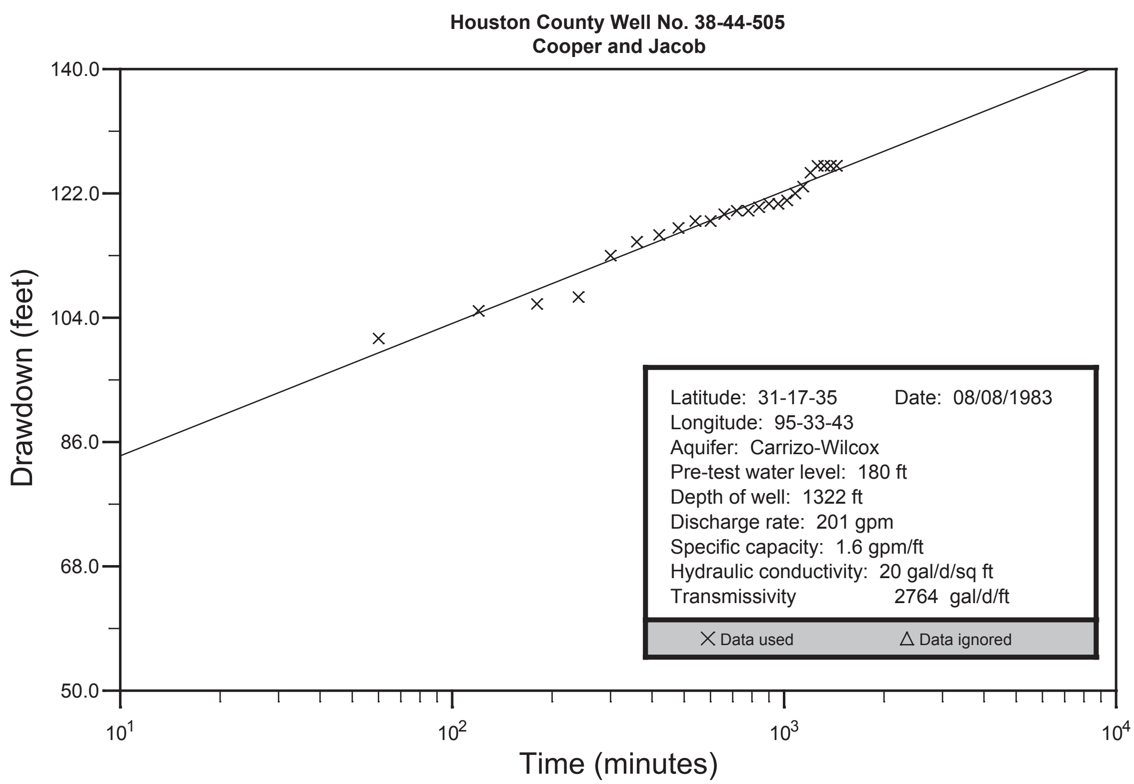

Hopkins County Well No. 17-61-703
Theis Recovery
162.0
129.6
97.2
64.8
32.4
0.0
Residual Drawdown (feet)
10^1
10^2
10^3
10^4
Time, t/t'
Latitude: 33-02-08 Date: 12/20/1978
Longitude: 95-29-53
Aquifer: Carrizo-Wilcox
Pre-test water level: 94 ft
Depth of well: 391 ft
Discharge rate: 75 gpm
Specific capacity: 0.33 gpm/ft
Hydraulic conductivity: 5.6 gal/d/sq ft
Transmissivity 174 gal/d/ft
Data used
Data ignored

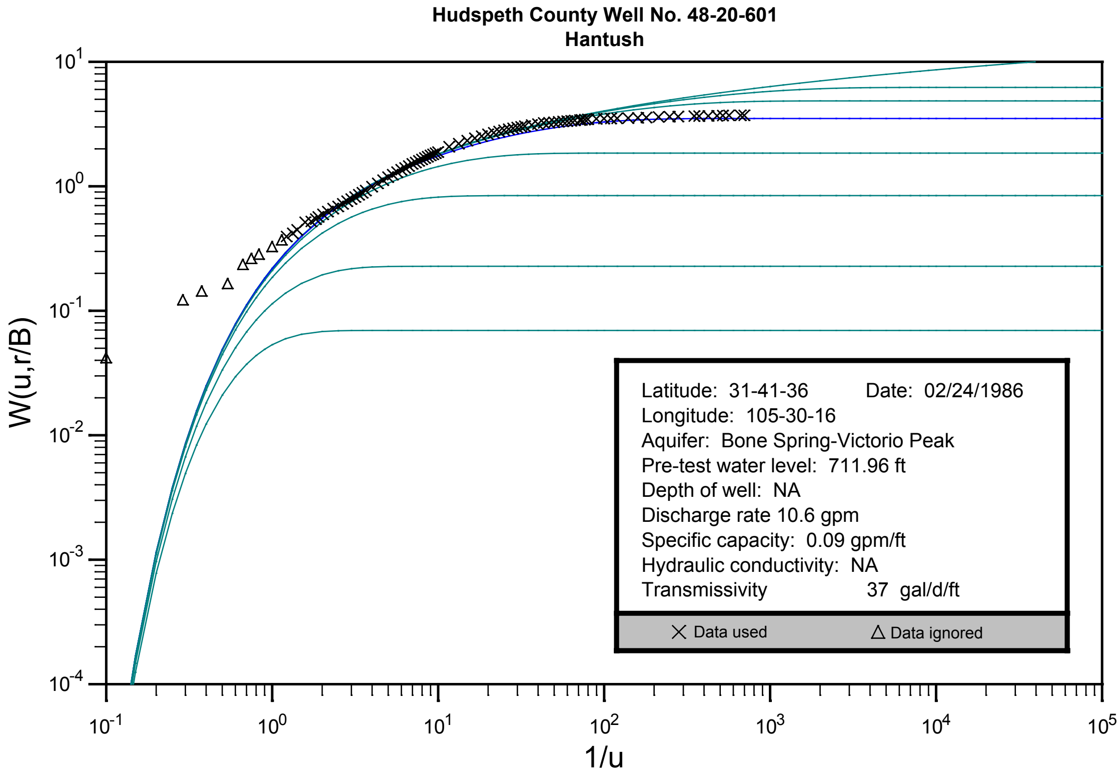

Hopkins County Well No. 17-61-902
Theis
10^1
10^0
10^-1
10^-2
10^-3
10^-4
W(u)
10^-1
10^0
10^1
10^2
10^3
10^4
10^5
1/u
Latitude: 33-01-26 Date: 10/11/1990
Longitude: 95-23-38
Aquifer: Carrizo-Wilcox
Pre-test water level: 333 ft
Depth of well: 612 ft
Discharge rate: 80 gpm
Specific capacity: 0.46 gpm/ft
Hydraulic conductivity: 4.7 gal/d/sq ft
Transmissivity 257 gal/d/ft
Data used
Data ignored

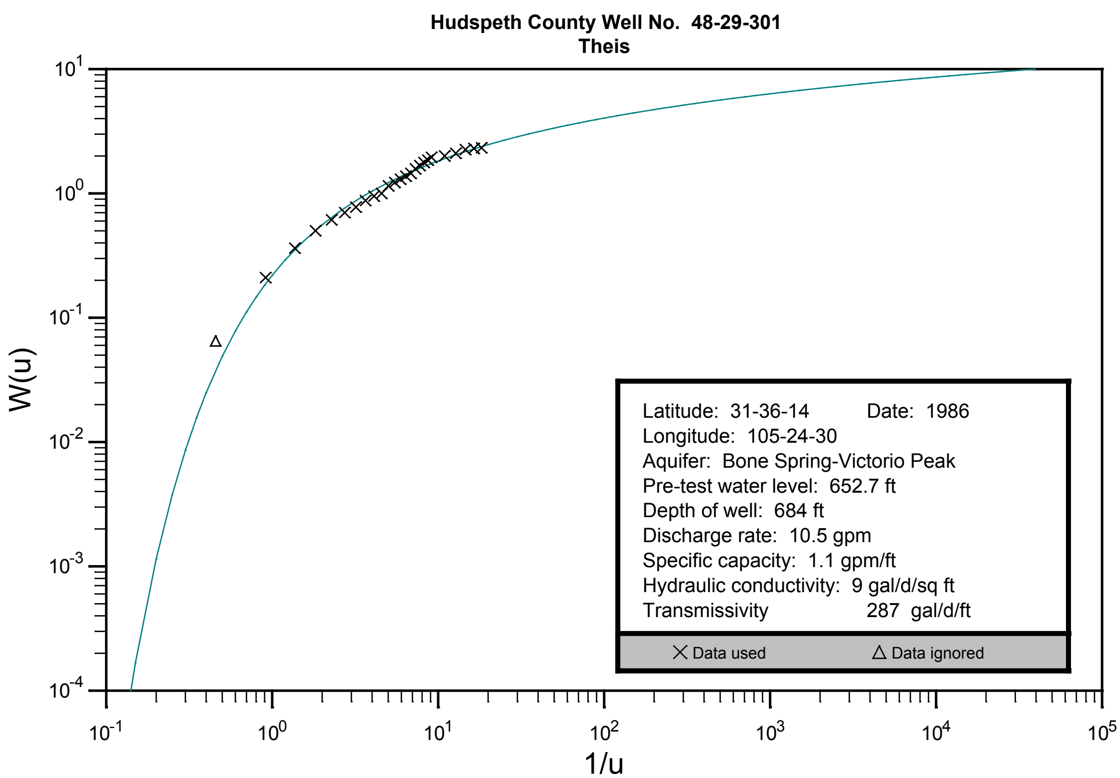

Hopkins County Well No. 17-62-701
Theis Recovery
Residual Drawdown (feet)
7.0
5.6
4.2
2.8
1.4
0.0
Time, t/t'
Latitude: 33-00-06
Date: 06/07/1984
Longitude: 95-22-12
Aquifer: Carrizo-Wilcox
Pre-test water level: 100 ft
Depth of well: 510 ft
Discharge rate: 100 gpm
Specific capacity: 2.0 gpm/ft
Hydraulic conductivity: 52 gal/d/sq ft
Transmissivity 3292 gal/d/ft
Data used
Data ignored

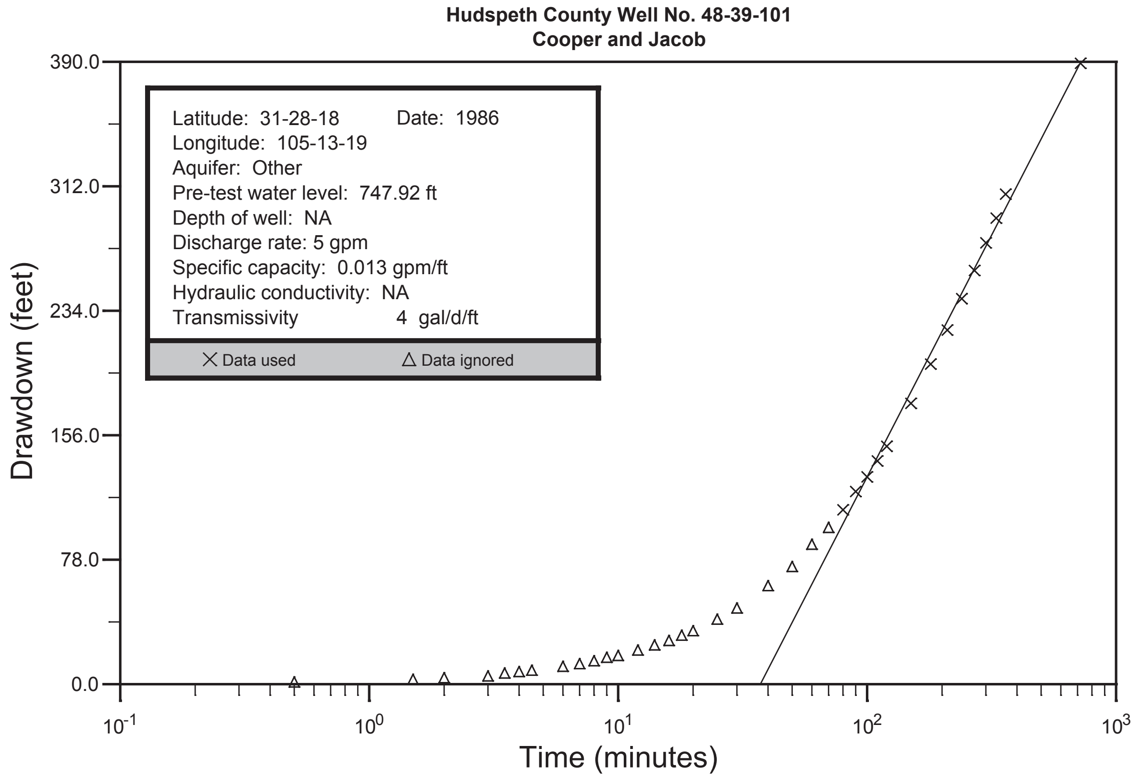

Hopkins County Well No. 34-03-301
Theis Recovery
Residual Drawdown (feet)
17.0
13.6
10.2
6.8
3.4
0.0
Time, t/t'
Latitude: 32-57-40
Date: 08/16/1977
Longitude: 95-38-20
Aquifer: Carrizo-Wilcox
Pre-test water level: 50 ft
Depth of Well: 270 ft
Discharge rate: 100 gpm
Specific capacity: 2.5 gpm/ft
Hydraulic conductivity: 33 gal/d/sq ft
Transmissivity 1304 gal/d/ft
Data used
Data ignored

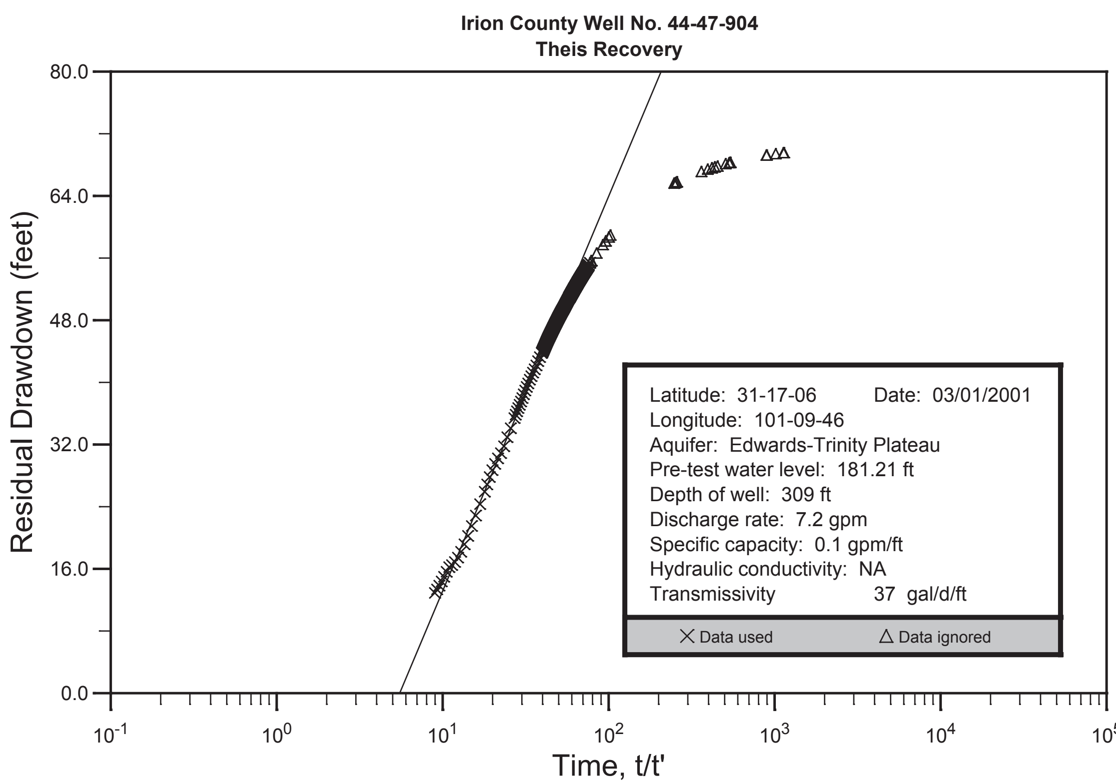

Hopkins County Well No. 34-06-202
Theis Recovery
Latitude: 32-59-22
Date: 10/03/1975
Longitude: 95-19-53
Aquifer: Carrizo-Wilcox
Pre-test water level: 92 ft
Depth of well: 560 ft
Discharge rate: 90 gpm
Specific capacity: 1.3 gpm/ft
Hydraulic conductivity: 22 gal/d/sq ft
Transmissivity 1055 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
28.0
22.4
16.8
11.2
5.6
0.0
10^1
10^2
10^3
Time, t/t'

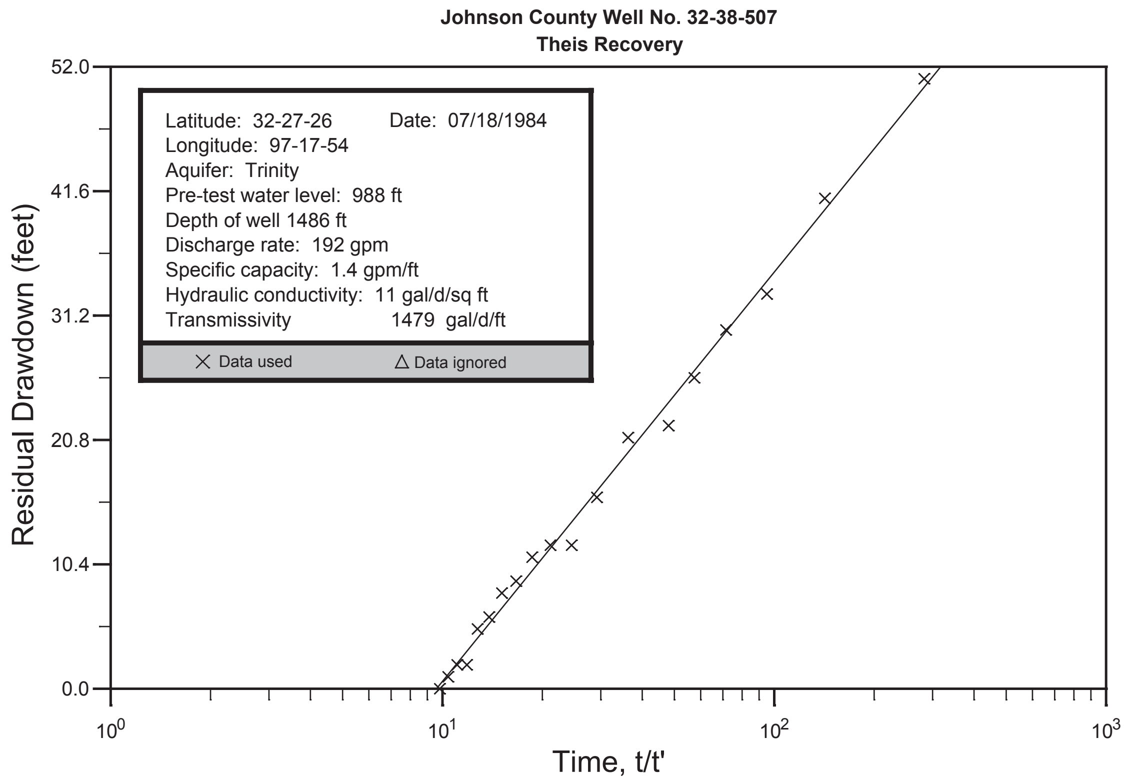

Houston County Well No. 38-44-505
Cooper and Jacob
Latitude: 31-17-35
Date: 08/08/1983
Longitude: 95-33-43
Aquifer: Carrizo-Wilcox
Pre-test water level: 180 ft
Depth of well: 1322 ft
Discharge rate: 201 gpm
Specific capacity: 1.6 gpm/ft
Hydraulic conductivity: 20 gal/d/sq ft
Transmissivity 2764 gal/d/ft
Data used
Data ignored
Drawdown (feet)
140.0
122.0
104.0
86.0
68.0
50.0
10^1
10^2
10^3
10^4
Time (minutes)

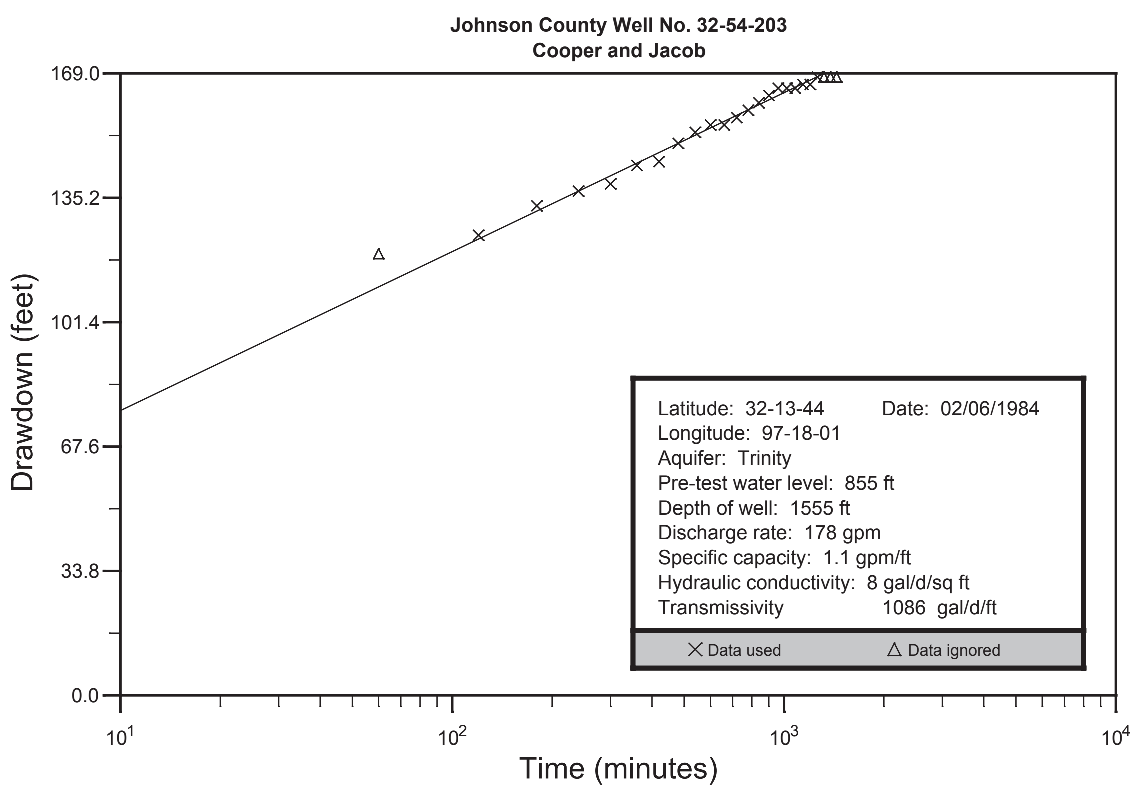

Hudspeth County Well No. 48-20-601
Hantush
W(u,r/B)
1/u
Latitude: 31-41-36 Date: 02/24/1986
Longitude: 105-30-16
Aquifer: Bone Spring-Victorio Peak
Pre-test water level: 711.96 ft
Depth of well: NA
Discharge rate 10.6 gpm
Specific capacity: 0.09 gpm/ft
Hydraulic conductivity: NA
Transmissivity 37 gal/d/ft
Data used
Data ignored

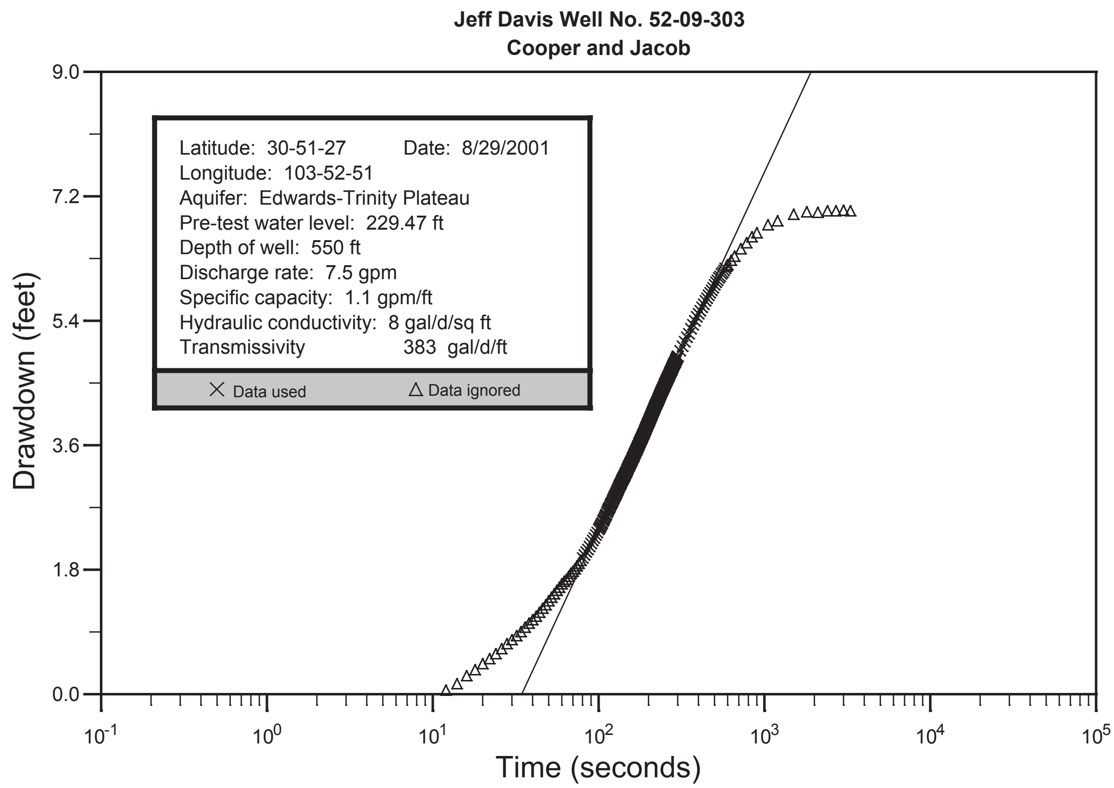

Hudspeth County Well No. 48-29-301
Theis
W(u)
1/u
Latitude: 31-36-14 Date: 1986
Longitude: 105-24-30
Aquifer: Bone Spring-Victorio Peak
Pre-test water level: 652.7 ft
Depth of well: 684 ft
Discharge rate: 10.5 gpm
Specific capacity: 1.1 gpm/ft
Hydraulic conductivity: 9 gal/d/sq ft
Transmissivity 287 gal/d/ft
Data used
Data ignored

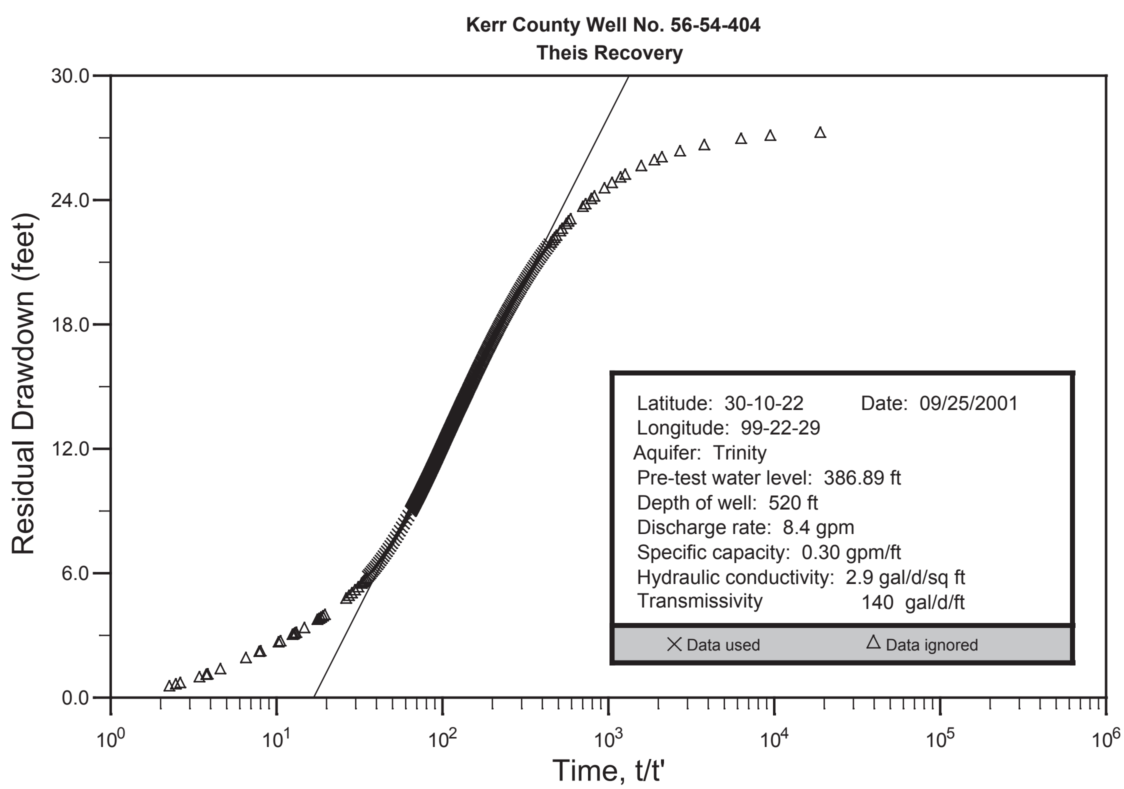

Hudspeth County Well No. 48-39-101
Cooper and Jacob
Latitude: 31-28-18
Date: 1986
Longitude: 105-13-19
Aquifer: Other
Pre-test water level: 747.92 ft
Depth of well: NA
Discharge rate: 5 gpm
Specific capacity: 0.013 gpm/ft
Hydraulic conductivity: NA
Transmissivity 4 gal/d/ft
Data used
Data ignored
Drawdown (feet)
390.0
312.0
234.0
156.0
78.0
0.0
Time (minutes)
10-1
100
101
102
103

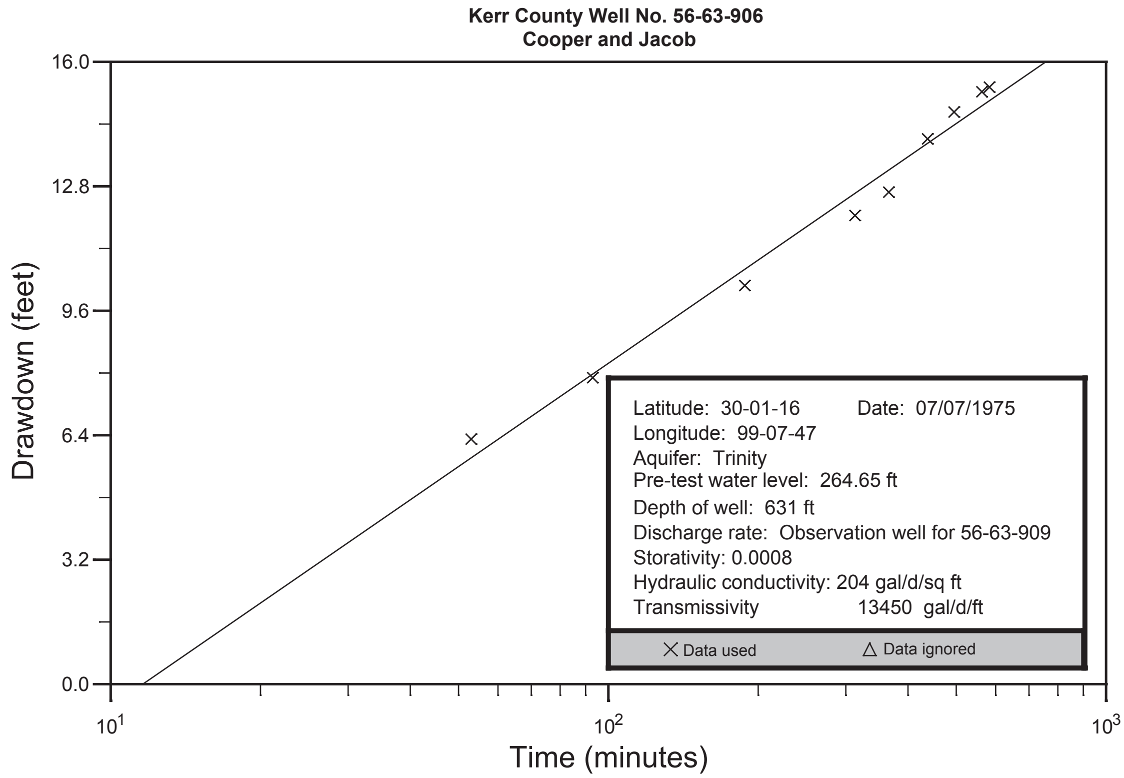

Irion County Well No. 44-47-904
Theis Recovery
Latitude: 31-17-06
Date: 03/01/2001
Longitude: 101-09-46
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 181.21 ft
Depth of well: 309 ft
Discharge rate: 7.2 gpm
Specific capacity: 0.1 gpm/ft
Hydraulic conductivity: NA
Transmissivity 37 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
80.0
64.0
48.0
32.0
16.0
0.0
Time, t/t'
10-1
100
101
102
103
104
105


Johnson County Well No. 32-38-507
Theis Recovery
Latitude: 32-27-26
Date: 07/18/1984
Longitude: 97-17-54
Aquifer: Trinity
Pre-test water level: 988 ft
Depth of well 1486 ft
Discharge rate: 192 gpm
Specific capacity: 1.4 gpm/ft
Hydraulic conductivity: 11 gal/d/sq ft
Transmissivity 1479 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
52.0
41.6
31.2
20.8
10.4
0.0
10^0
10^1
10^2
10^3
Time, t/t'

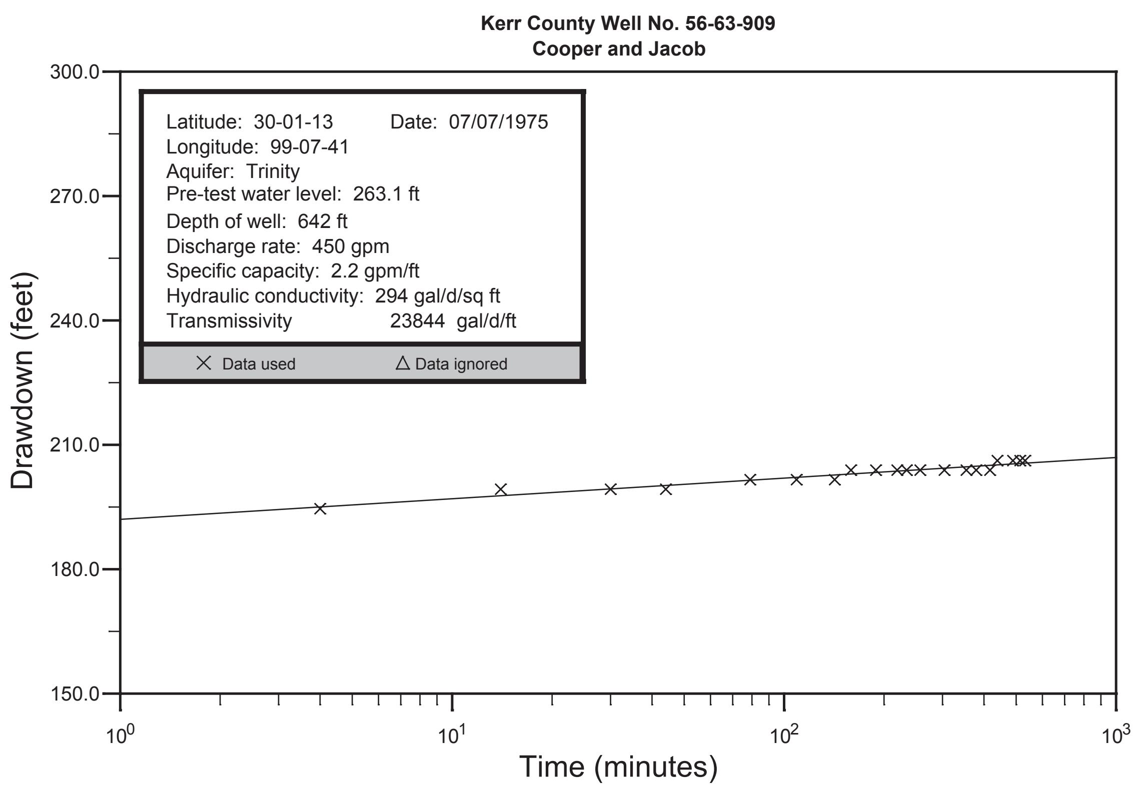

Johnson County Well No. 32-54-203
Cooper and Jacob
Latitude: 32-13-44
Date: 02/06/1984
Longitude: 97-18-01
Aquifer: Trinity
Pre-test water level: 855 ft
Depth of well: 1555 ft
Discharge rate: 178 gpm
Specific capacity: 1.1 gpm/ft
Hydraulic conductivity: 8 gal/d/sq ft
Transmissivity 1086 gal/d/ft
Data used
Data ignored
Drawdown (feet)
169.0
135.2
101.4
67.6
33.8
0.0
10^1
10^2
10^3
10^4
Time (minutes)


Jeff Davis Well No. 52-09-303
Cooper and Jacob
Latitude: 30-51-27
Date: 8/29/2001
Longitude: 103-52-51
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 229.47 ft
Depth of well: 550 ft
Discharge rate: 7.5 gpm
Specific capacity: 1.1 gpm/ft
Hydraulic conductivity: 8 gal/d/sq ft
Transmissivity 383 gal/d/ft
Data used
Data ignored
Drawdown (feet)
Time (seconds)

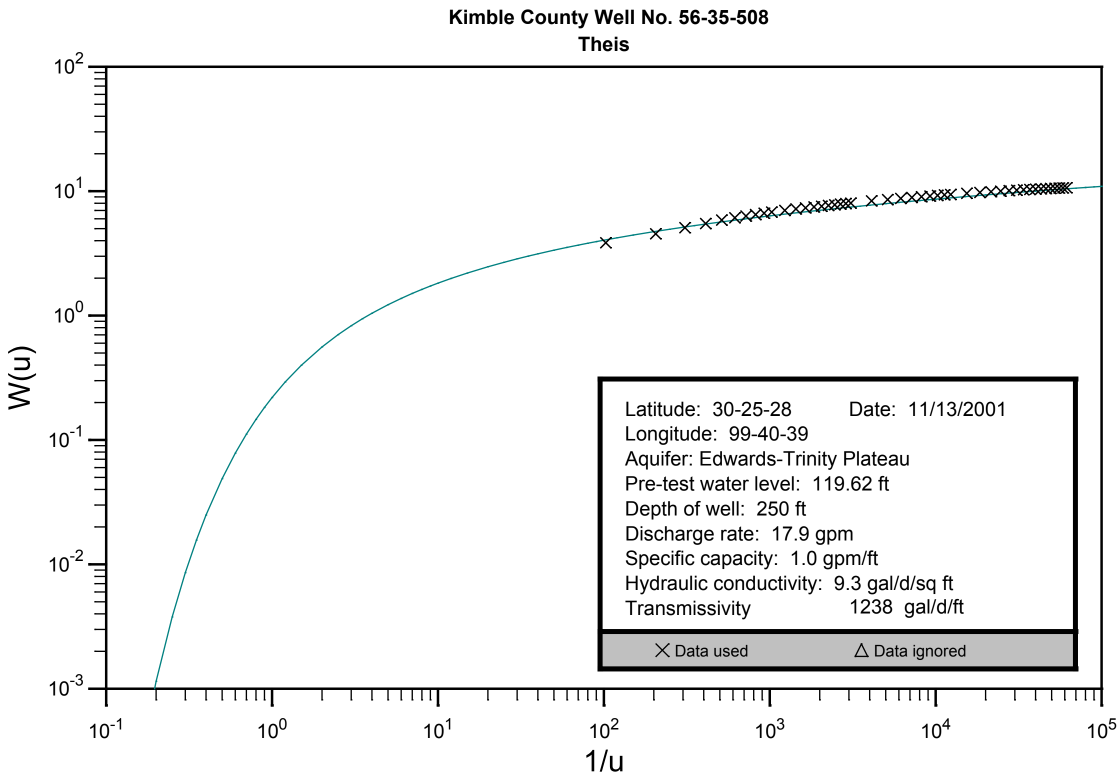

Kerr County Well No. 56-54-404
Theis Recovery
Latitude: 30-10-22
Date: 09/25/2001
Longitude: 99-22-29
Aquifer: Trinity
Pre-test water level: 386.89 ft
Depth of well: 520 ft
Discharge rate: 8.4 gpm
Specific capacity: 0.30 gpm/ft
Hydraulic conductivity: 2.9 gal/d/sq ft
Transmissivity 140 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
Time, t/t'

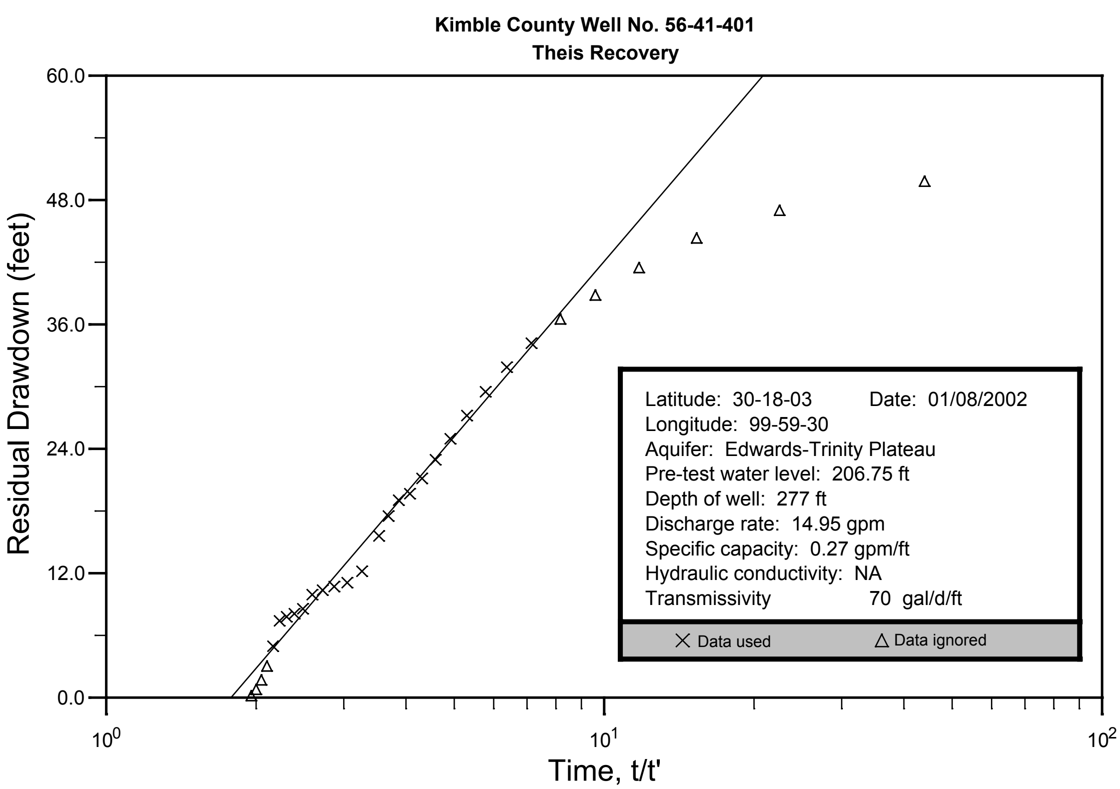


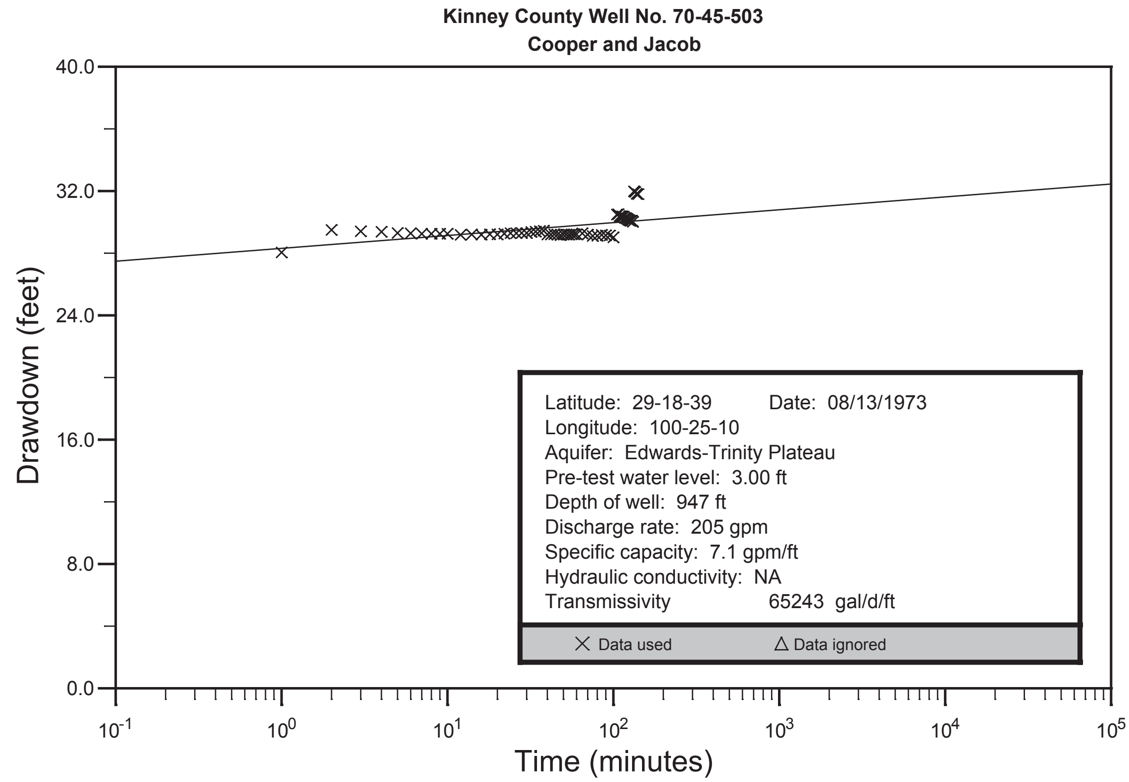
Kerr County Well No. 56-63-906
Cooper and Jacob
Drawdown (feet)
16.0
12.8
9.6
6.4
3.2
0.0
10^1
10^2
10^3
Time (minutes)
Latitude: 30-01-16 Date: 07/07/1975
Longitude: 99-07-47
Aquifer: Trinity
Pre-test water level: 264.65 ft
Depth of well: 631 ft
Discharge rate: Observation well for 56-63-909
Storativity: 0.0008
Hydraulic conductivity: 204 gal/d/sq ft
Transmissivity 13450 gal/d/ft
Data used
Data ignored

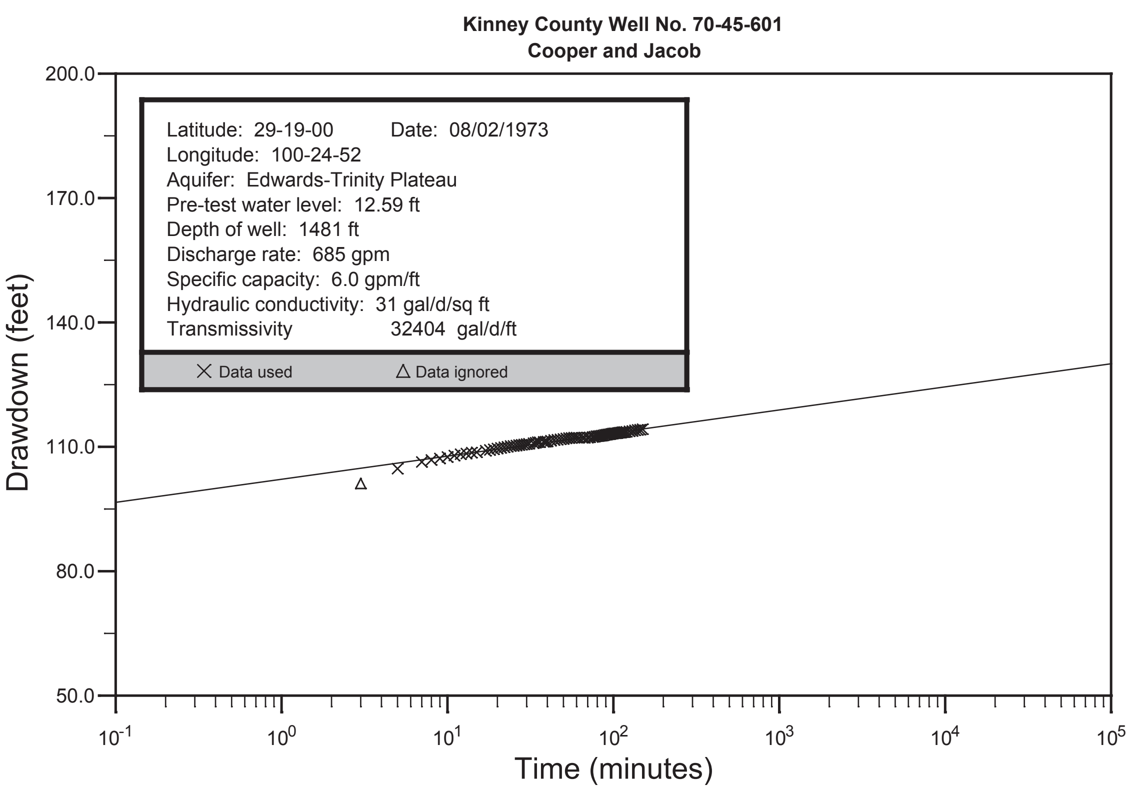


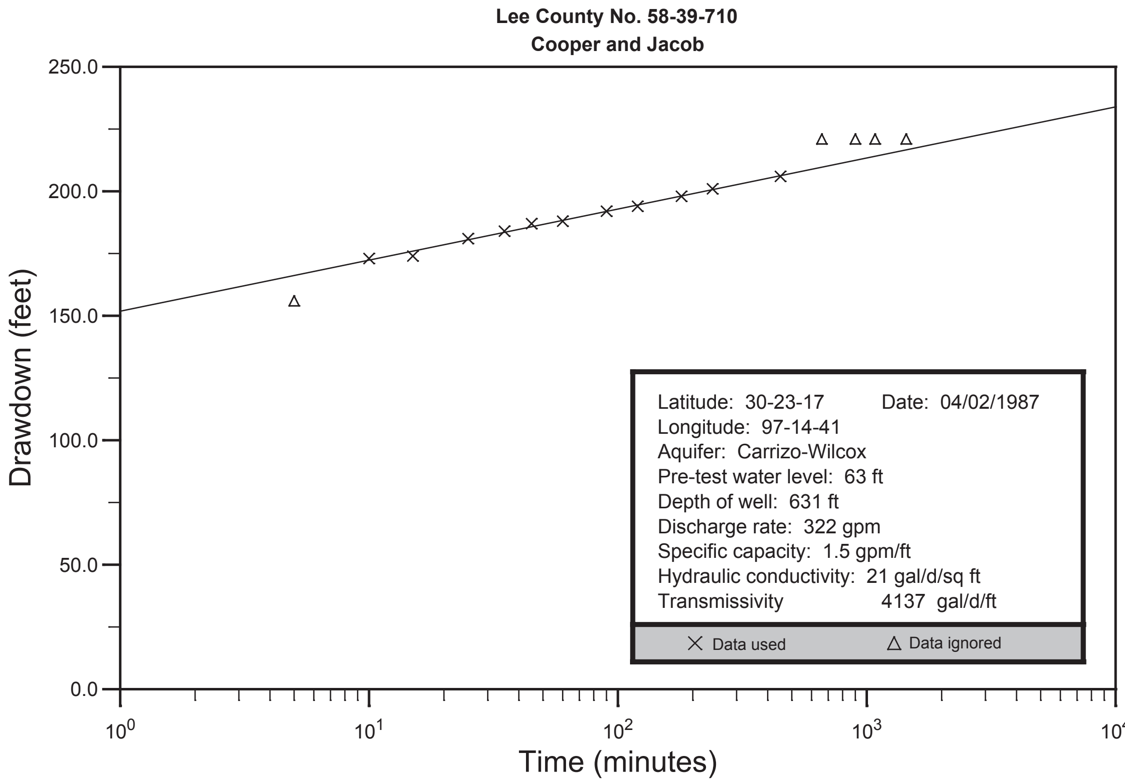
Kerr County Well No. 56-63-909
Cooper and Jacob
Drawdown (feet)
300.0
270.0
240.0
210.0
180.0
150.0
10^0
10^1
10^2
10^3
Time (minutes)
Latitude: 30-01-13 Date: 07/07/1975
Longitude: 99-07-41
Aquifer: Trinity
Pre-test water level: 263.1 ft
Depth of well: 642 ft
Discharge rate: 450 gpm
Specific capacity: 2.2 gpm/ft
Hydraulic conductivity: 294 gal/d/sq ft
Transmissivity 23844 gal/d/ft
Data used
Data ignored

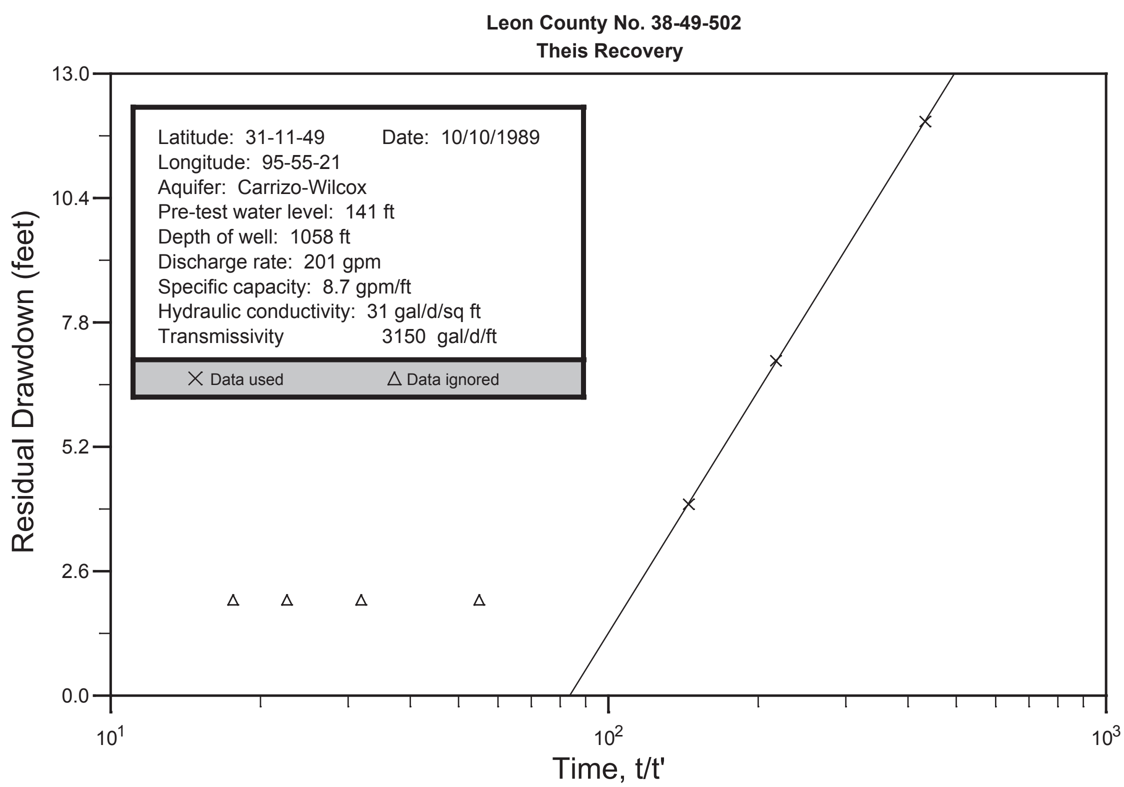

Kimble County Well No. 56-35-508
Theis
W(u)
1/u
Latitude: 30-25-28
Date: 11/13/2001
Longitude: 99-40-39
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 119.62 ft
Depth of well: 250 ft
Discharge rate: 17.9 gpm
Specific capacity: 1.0 gpm/ft
Hydraulic conductivity: 9.3 gal/d/sq ft
Transmissivity 1238 gal/d/ft
Data used
Data ignored

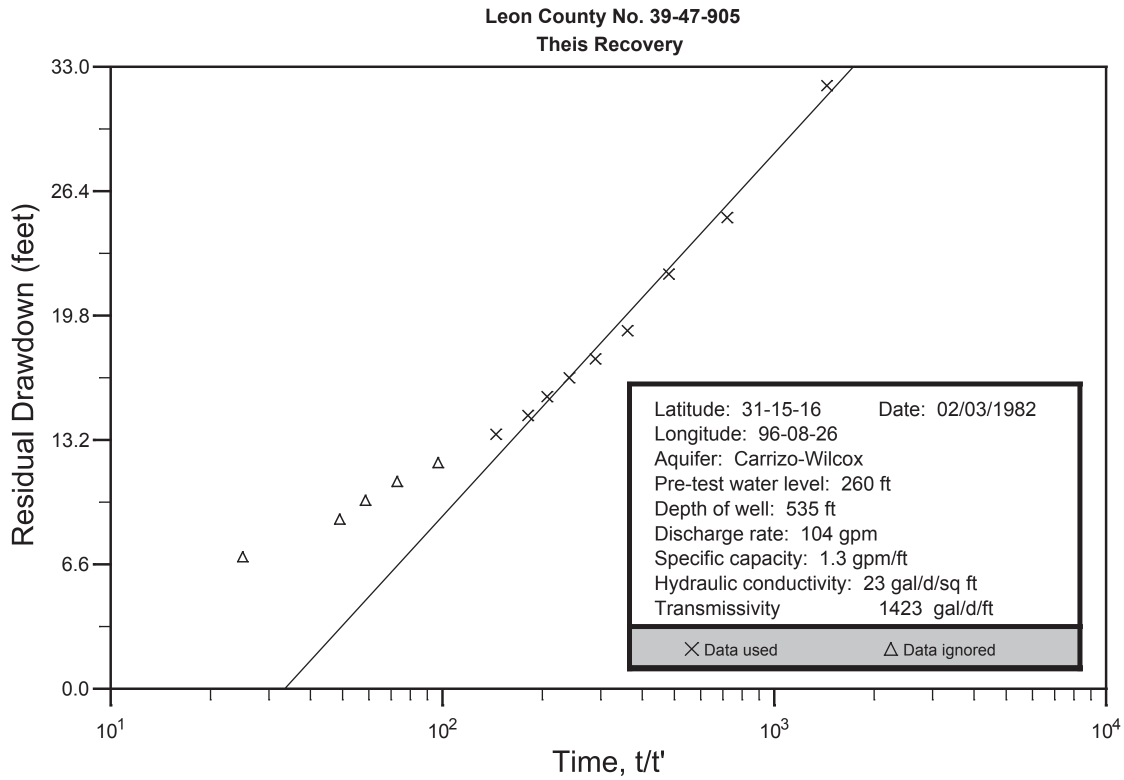

Kimble County Well No. 56-41-401
Theis Recovery
Residual Drawdown (feet)
Time, t/t'
Latitude: 30-18-03
Date: 01/08/2002
Longitude: 99-59-30
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 206.75 ft
Depth of well: 277 ft
Discharge rate: 14.95 gpm
Specific capacity: 0.27 gpm/ft
Hydraulic conductivity: NA
Transmissivity 70 gal/d/ft
Data used
Data ignored

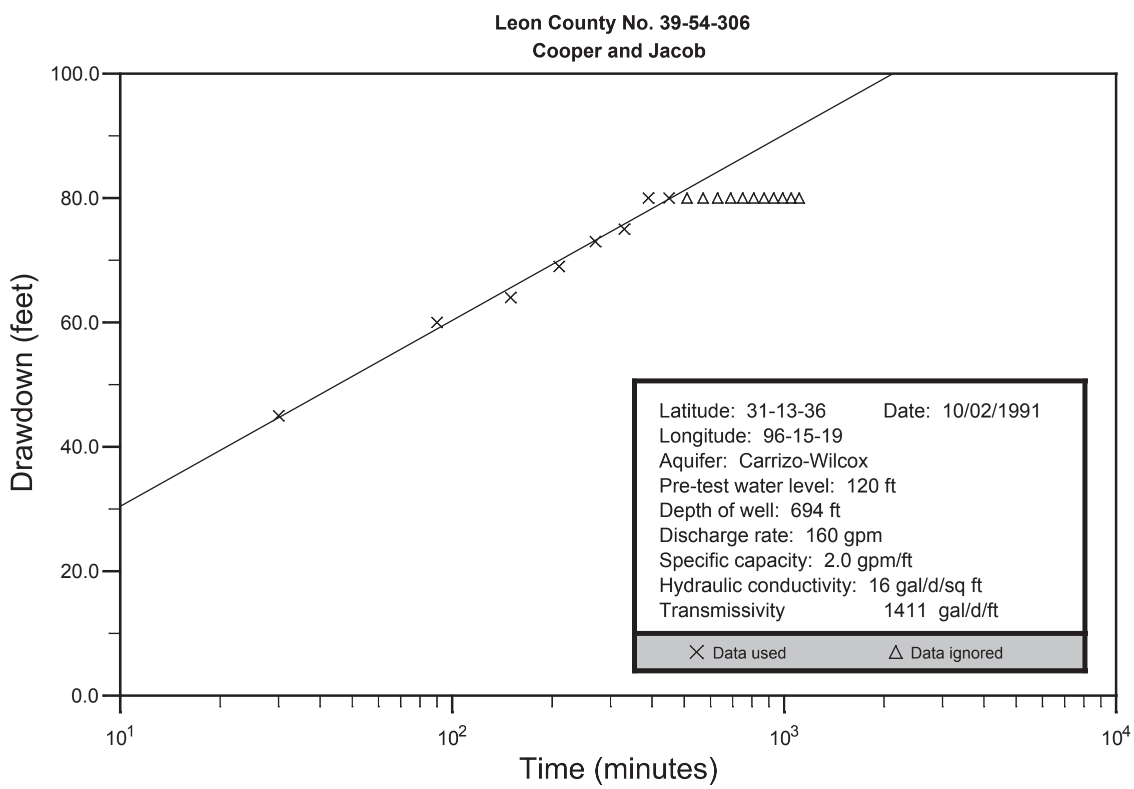

Kinney County Well No. 70-45-503
Cooper and Jacob
Drawdown (feet)
40.0
32.0
24.0
16.0
8.0
0.0
Time (minutes)
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
Latitude: 29-18-39 Date: 08/13/1973
Longitude: 100-25-10
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 3.00 ft
Depth of well: 947 ft
Discharge rate: 205 gpm
Specific capacity: 7.1 gpm/ft
Hydraulic conductivity: NA
Transmissivity 65243 gal/d/ft
Data used
Data ignored


Kinney County Well No. 70-45-601
Cooper and Jacob
Drawdown (feet)
200.0
170.0
140.0
110.0
80.0
50.0
Time (minutes)
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
Latitude: 29-19-00 Date: 08/02/1973
Longitude: 100-24-52
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 12.59 ft
Depth of well: 1481 ft
Discharge rate: 685 gpm
Specific capacity: 6.0 gpm/ft
Hydraulic conductivity: 31 gal/d/sq ft
Transmissivity 32404 gal/d/ft
Data used
Data ignored

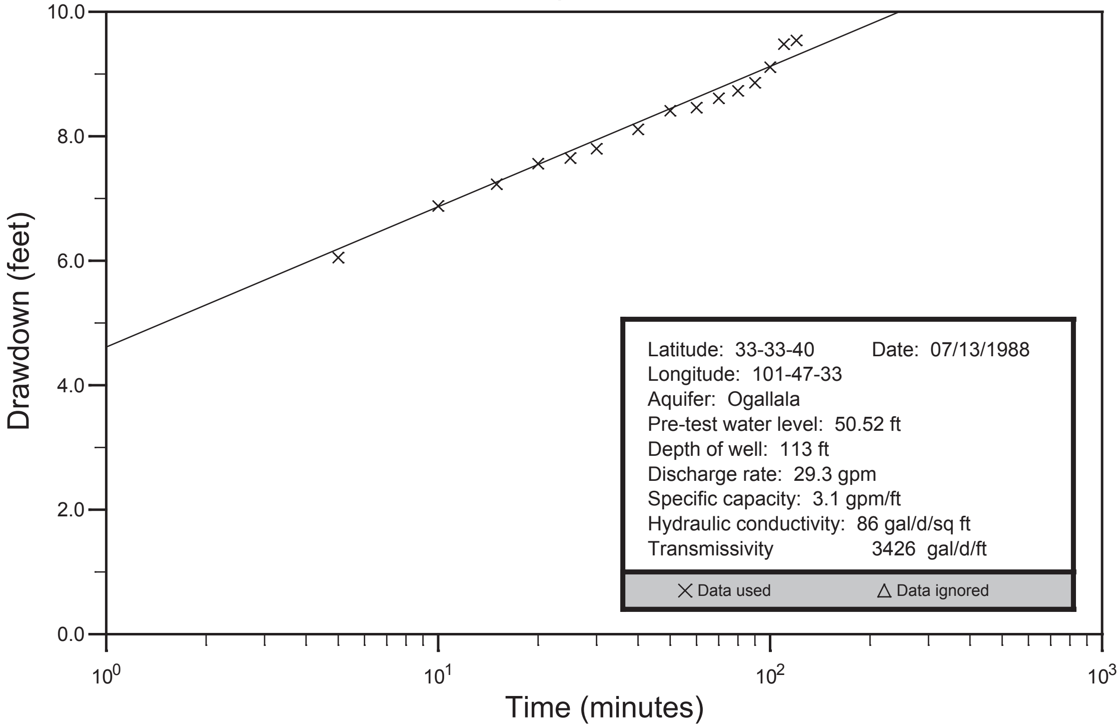

Lee County No. 58-39-710
Cooper and Jacob
Drawdown (feet)
Time (minutes)
250.0
200.0
150.0
100.0
50.0
0.0
10^0
10^1
10^2
10^3
10^4
Latitude: 30-23-17
Date: 04/02/1987
Longitude: 97-14-41
Aquifer: Carrizo-Wilcox
Pre-test water level: 63 ft
Depth of well: 631 ft
Discharge rate: 322 gpm
Specific capacity: 1.5 gpm/ft
Hydraulic conductivity: 21 gal/d/sq ft
Transmissivity 4137 gal/d/ft
Data used
Data ignored


Leon County No. 38-49-502
Theis Recovery
Residual Drawdown (feet)
Time, t/t'
13.0
10.4
7.8
5.2
2.6
0.0
10^1
10^2
10^3
Latitude: 31-11-49
Date: 10/10/1989
Longitude: 95-55-21
Aquifer: Carrizo-Wilcox
Pre-test water level: 141 ft
Depth of well: 1058 ft
Discharge rate: 201 gpm
Specific capacity: 8.7 gpm/ft
Hydraulic conductivity: 31 gal/d/sq ft
Transmissivity 3150 gal/d/ft
Data used
Data ignored

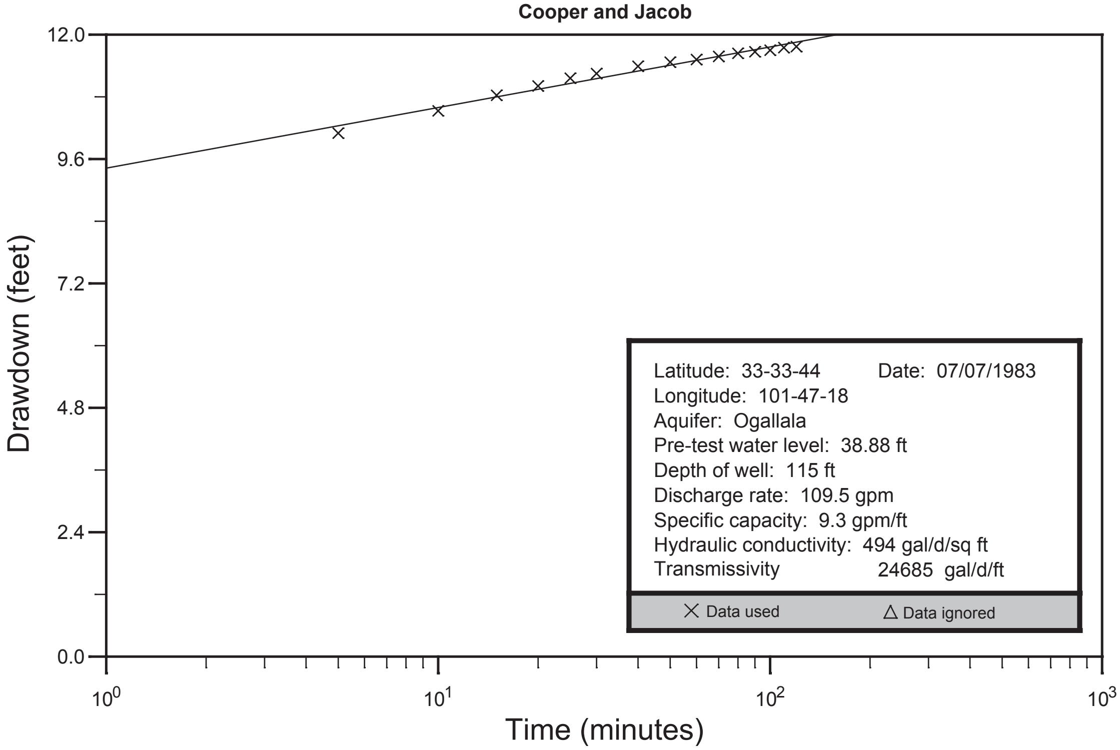

Leon County No. 39-47-905
Theis Recovery
Residual Drawdown (feet)
33.0
26.4
19.8
13.2
6.6
0.0
10^1
10^2
10^3
10^4
Time, t/t'
Latitude: 31-15-16
Date: 02/03/1982
Longitude: 96-08-26
Aquifer: Carrizo-Wilcox
Pre-test water level: 260 ft
Depth of well: 535 ft
Discharge rate: 104 gpm
Specific capacity: 1.3 gpm/ft
Hydraulic conductivity: 23 gal/d/sq ft
Transmissivity 1423 gal/d/ft
Data used
Data ignored

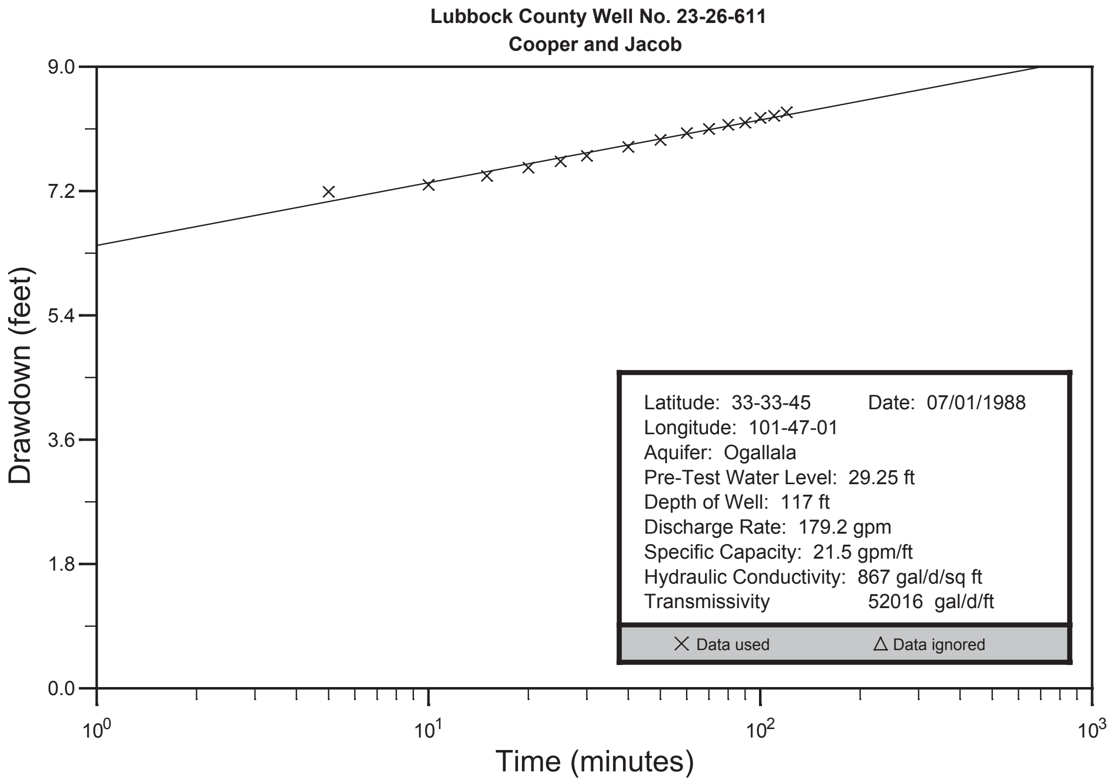

Leon County No. 39-54-306
Cooper and Jacob
Drawdown (feet)
100.0
80.0
60.0
40.0
20.0
0.0
10^1
10^2
10^3
10^4
Time (minutes)
Latitude: 31-13-36
Date: 10/02/1991
Longitude: 96-15-19
Aquifer: Carrizo-Wilcox
Pre-test water level: 120 ft
Depth of well: 694 ft
Discharge rate: 160 gpm
Specific capacity: 2.0 gpm/ft
Hydraulic conductivity: 16 gal/d/sq ft
Transmissivity 1411 gal/d/ft
Data used
Data ignored

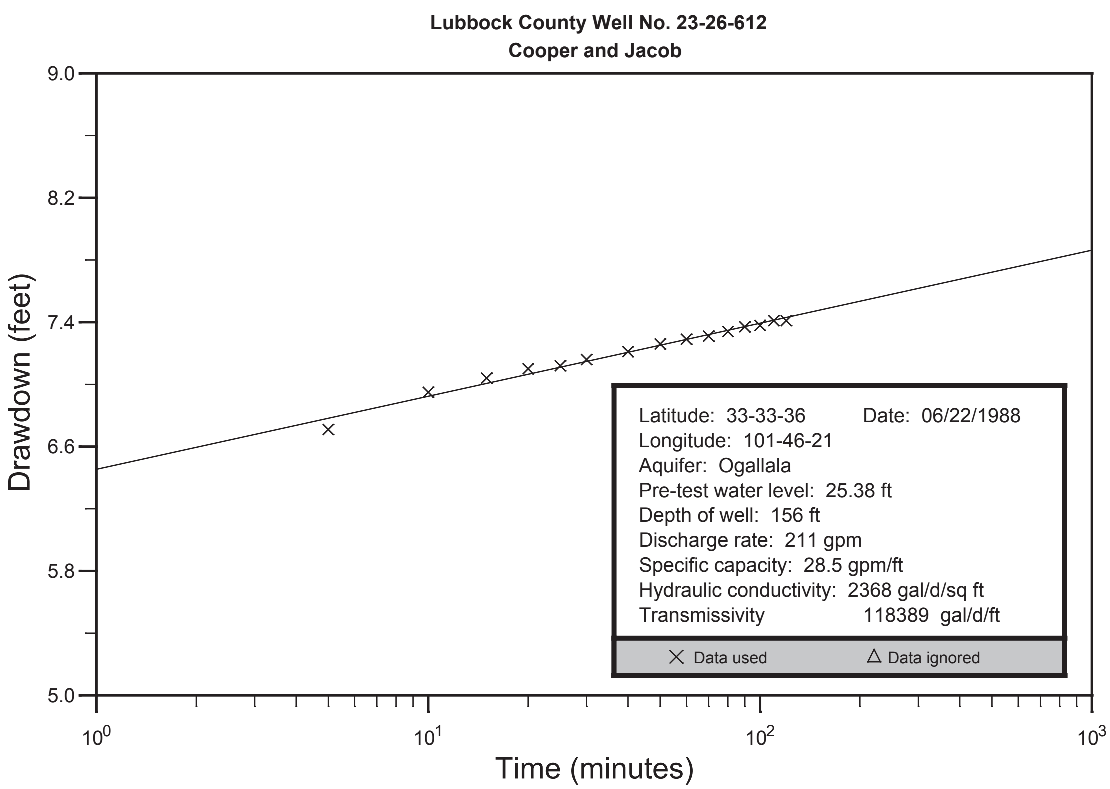
Lubbock County Well No. 23-26-507
Cooper and Jacob

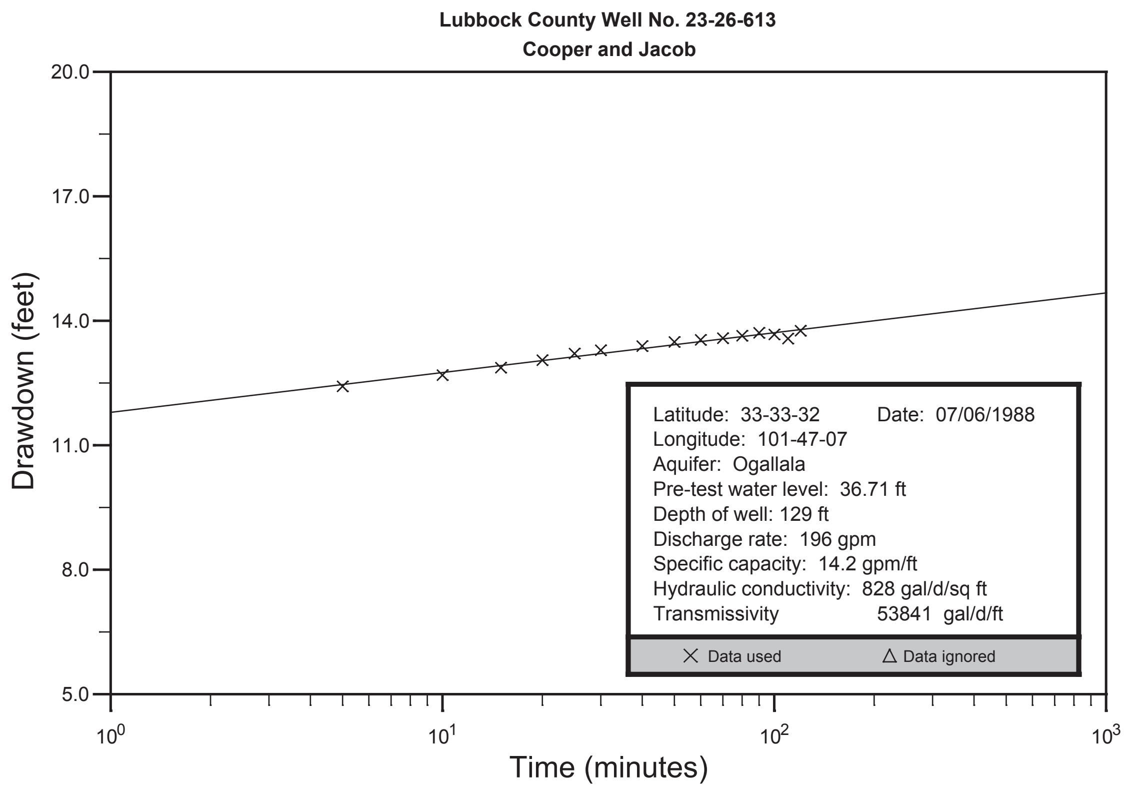


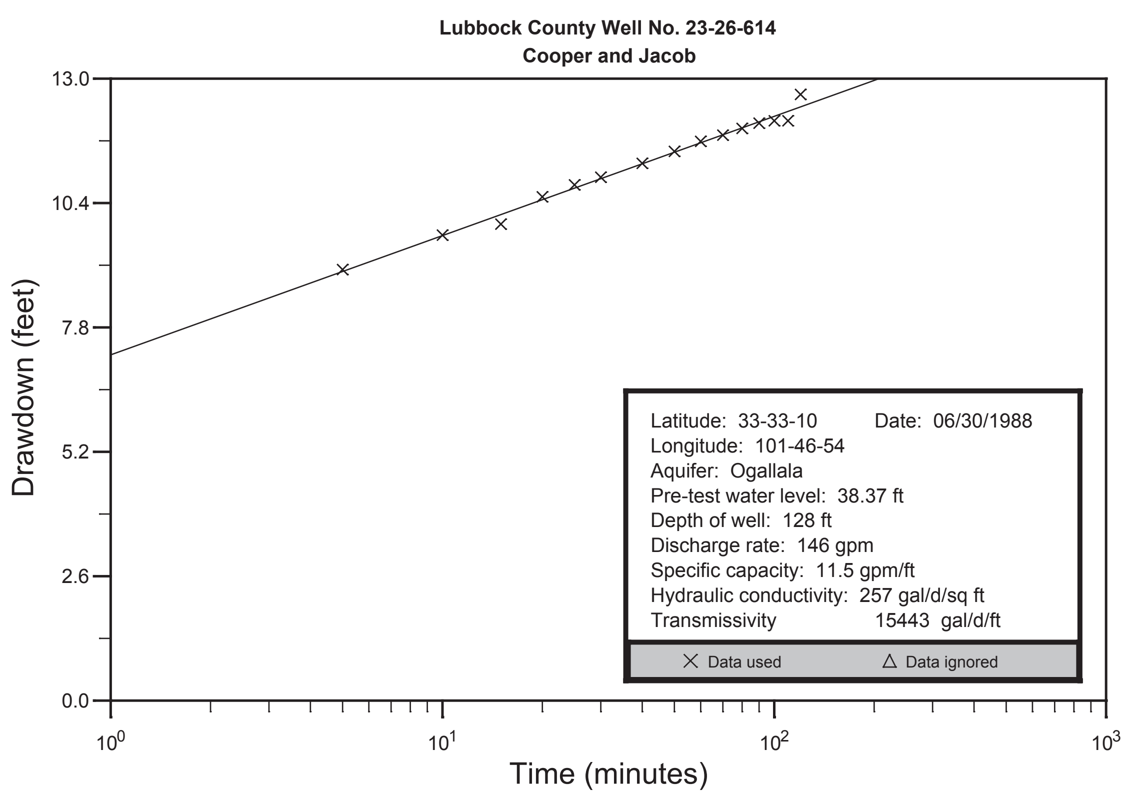
Lubbock County Well No. 23-26-610
Cooper and Jacob



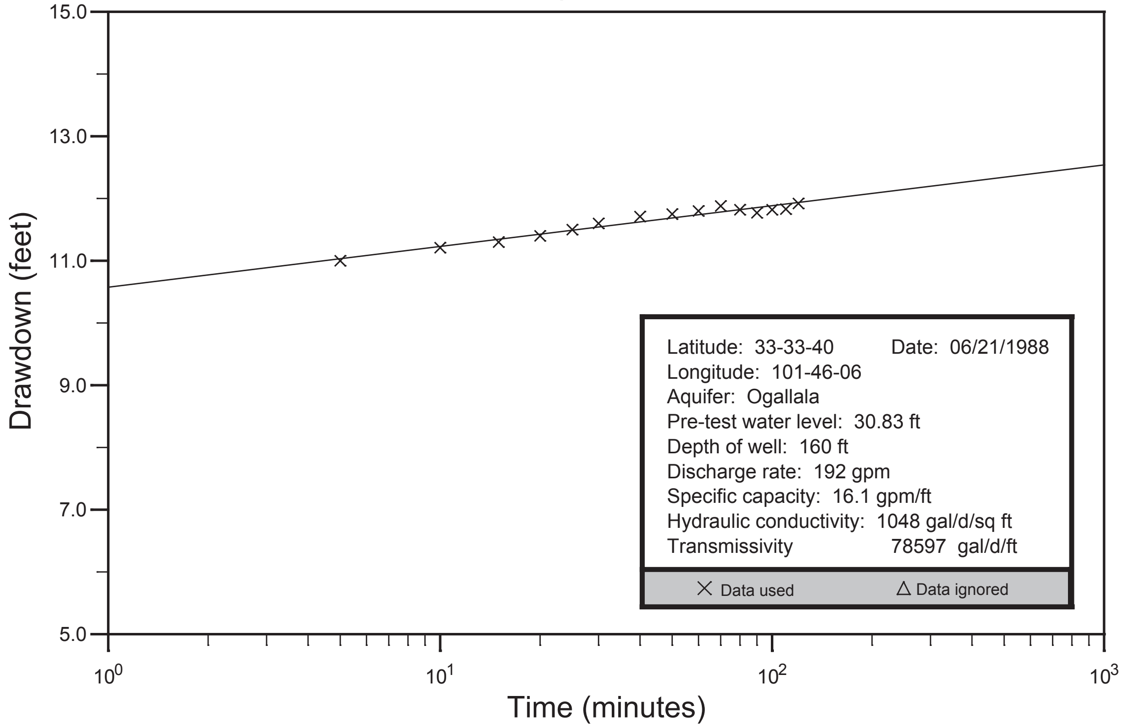

Lubbock County Well No. 23-26-611
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 33-33-45
Date: 07/01/1988
Longitude: 101-47-01
Aquifer: Ogallala
Pre-Test Water Level: 29.25 ft
Depth of Well: 117 ft
Discharge Rate: 179.2 gpm
Specific Capacity: 21.5 gpm/ft
Hydraulic Conductivity: 867 gal/d/sq ft
Transmissivity 52016 gal/d/ft
Data used
Data ignored


Lubbock County Well No. 23-26-612
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 33-33-36
Date: 06/22/1988
Longitude: 101-46-21
Aquifer: Ogallala
Pre-test water level: 25.38 ft
Depth of well: 156 ft
Discharge rate: 211 gpm
Specific capacity: 28.5 gpm/ft
Hydraulic conductivity: 2368 gal/d/sq ft
Transmissivity 118389 gal/d/ft
Data used
Data ignored

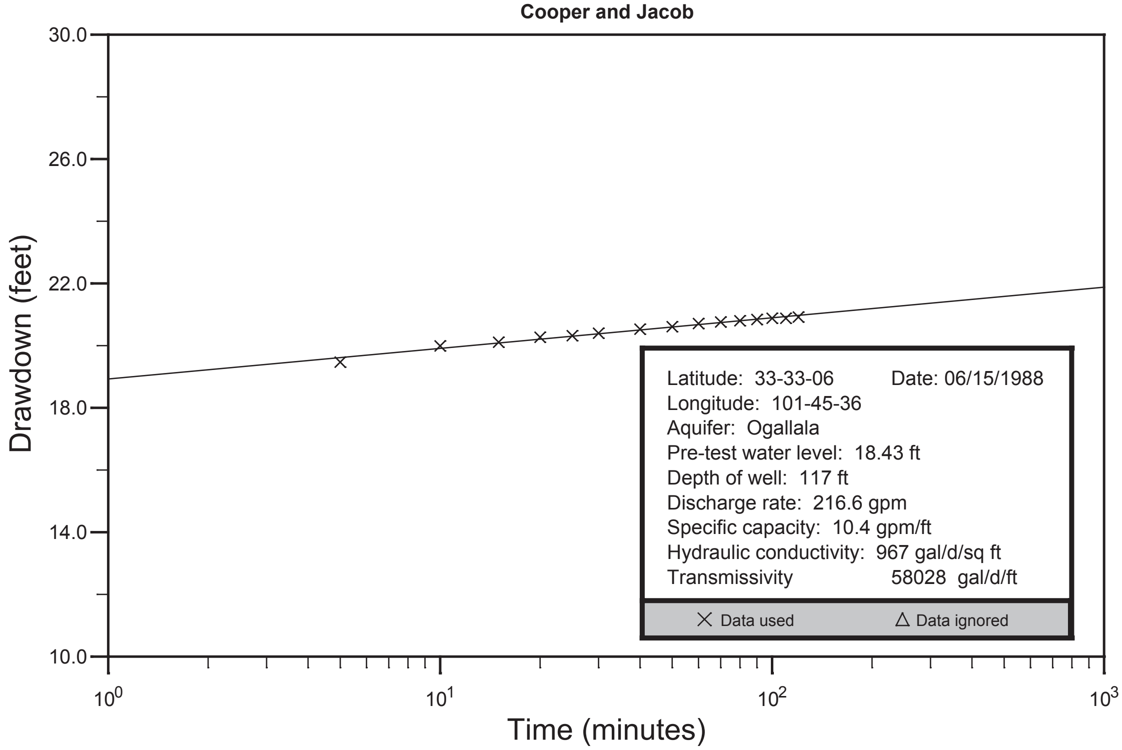

Lubbock County Well No. 23-26-613
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 33-33-32 Date: 07/06/1988
Longitude: 101-47-07
Aquifer: Ogallala
Pre-test water level: 36.71 ft
Depth of well: 129 ft
Discharge rate: 196 gpm
Specific capacity: 14.2 gpm/ft
Hydraulic conductivity: 828 gal/d/sq ft
Transmissivity 53841 gal/d/ft
Data used
Data ignored

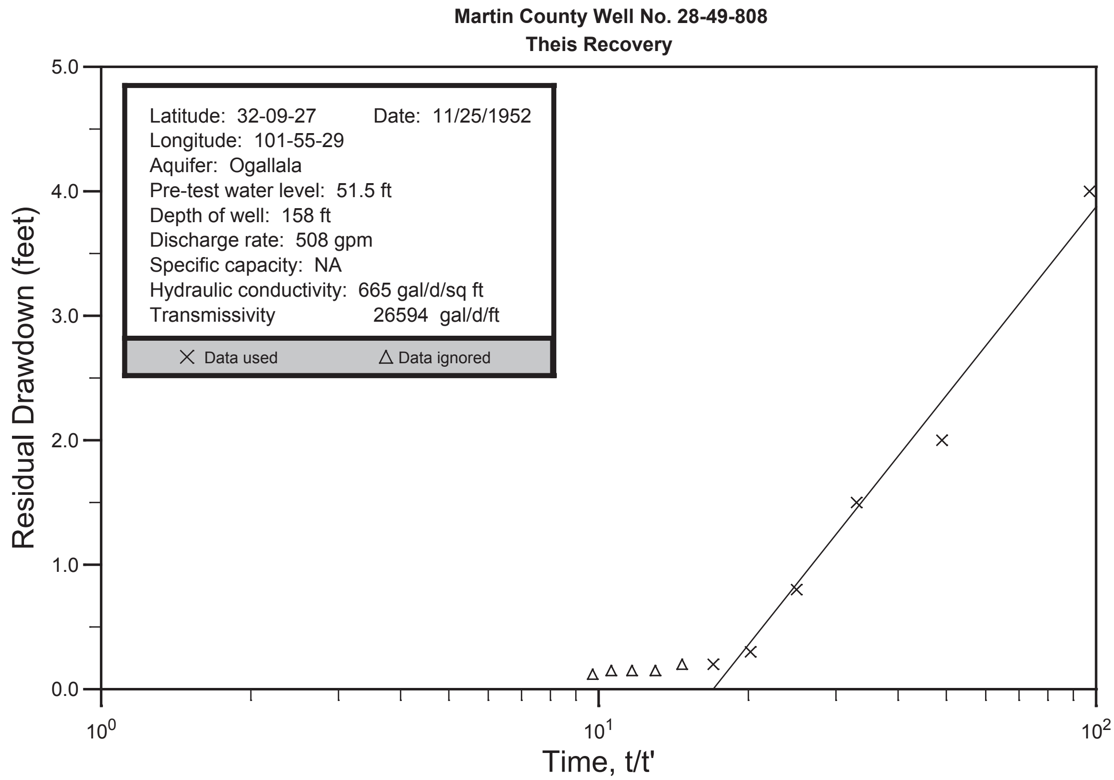

Lubbock County Well No. 23-26-614
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 33-33-10 Date: 06/30/1988
Longitude: 101-46-54
Aquifer: Ogallala
Pre-test water level: 38.37 ft
Depth of well: 128 ft
Discharge rate: 146 gpm
Specific capacity: 11.5 gpm/ft
Hydraulic conductivity: 257 gal/d/sq ft
Transmissivity 15443 gal/d/ft
Data used
Data ignored

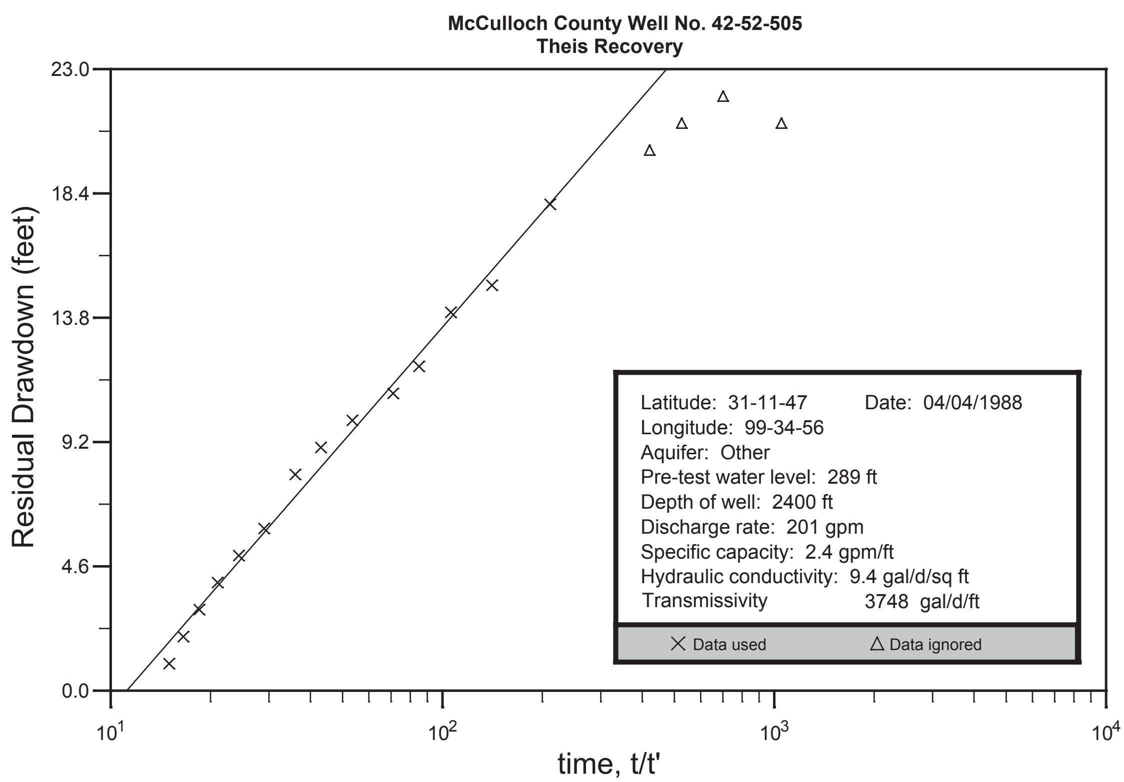
Lubbock County Well No. 23-26-615
Cooper and Jacob

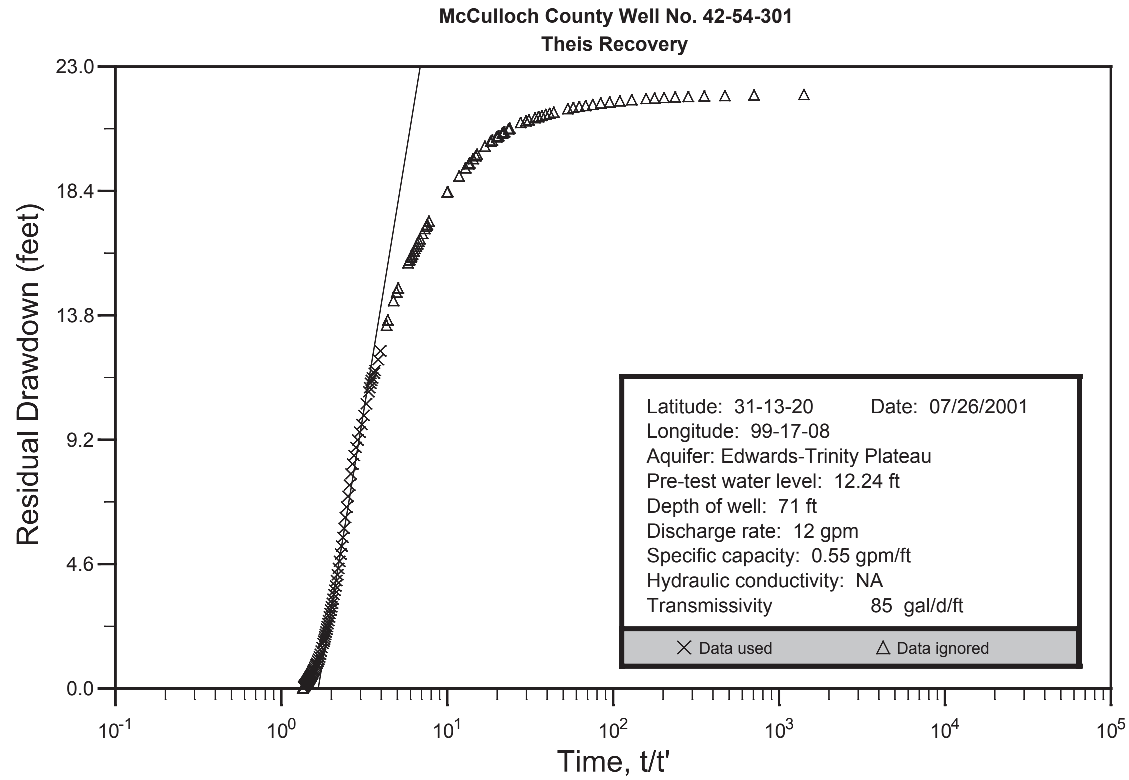


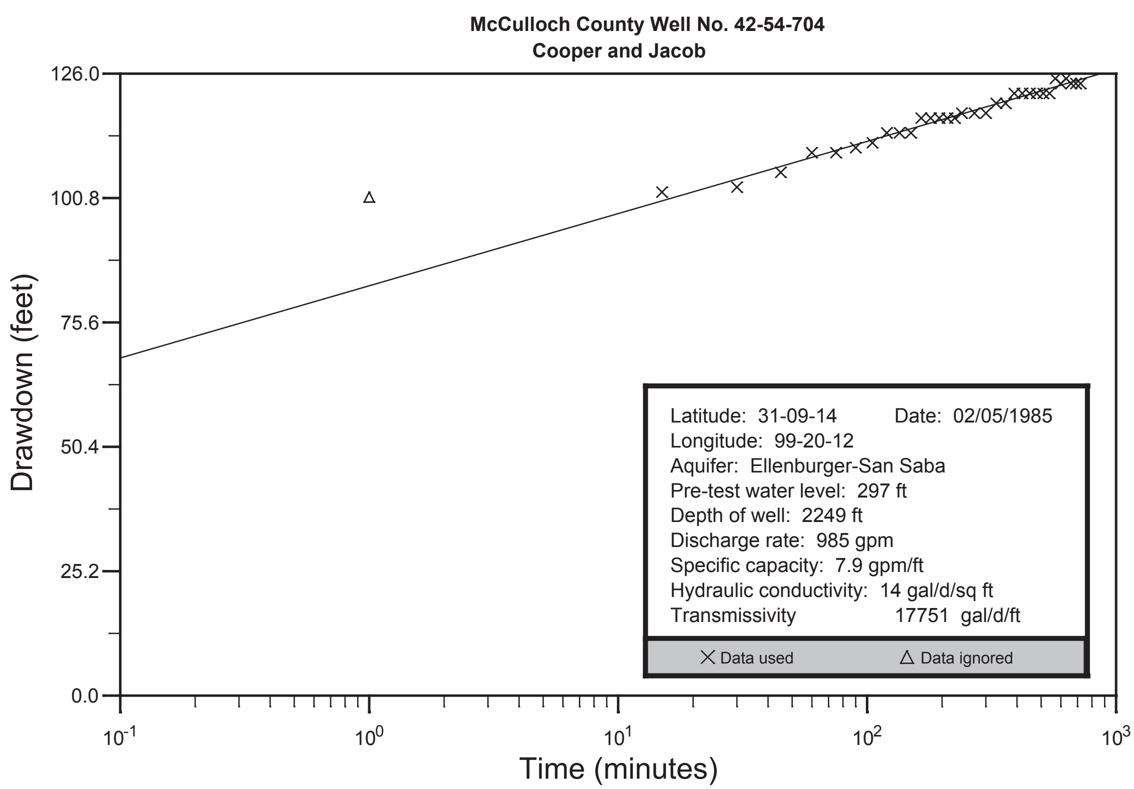
Lubbock County Well No. 23-26-616
Cooper and Jacob

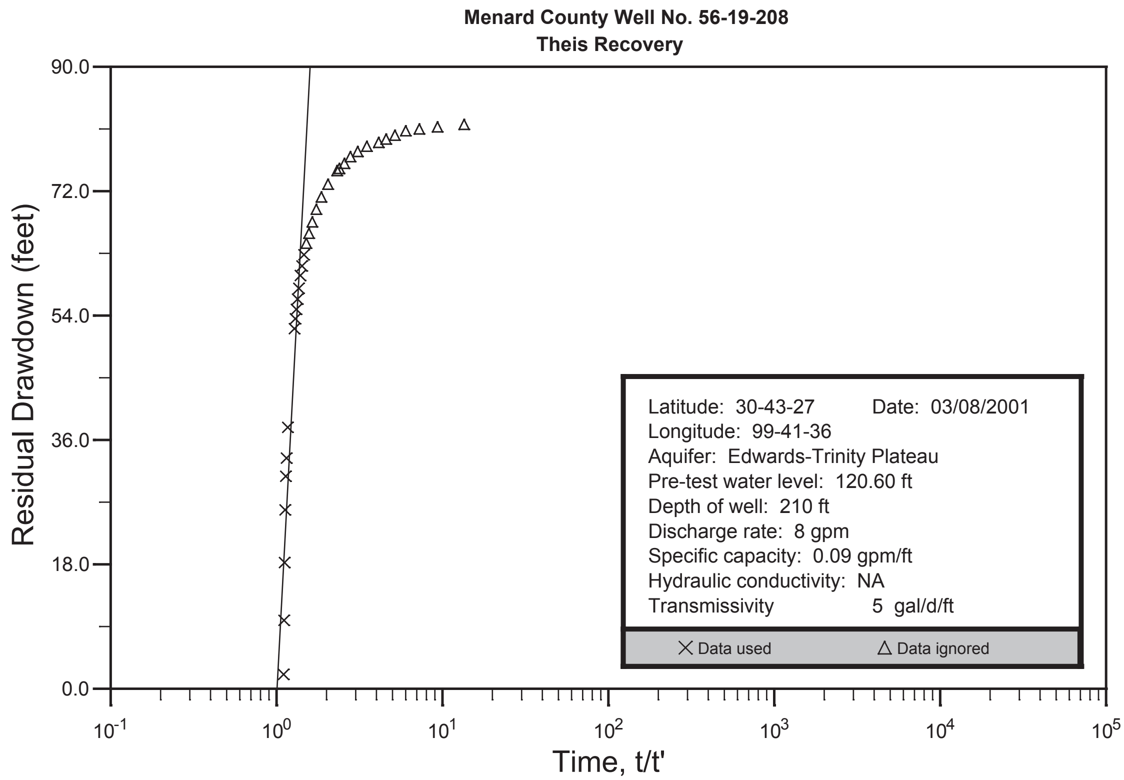



Martin County Well No. 28-49-808
Theis Recovery
Latitude: 32-09-27
Date: 11/25/1952
Longitude: 101-55-29
Aquifer: Ogallala
Pre-test water level: 51.5 ft
Depth of well: 158 ft
Discharge rate: 508 gpm
Specific capacity: NA
Hydraulic conductivity: 665 gal/d/sq ft
Transmissivity 26594 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
5.0
4.0
3.0
2.0
1.0
0.0
10^0
10^1
10^2
Time, t/t'

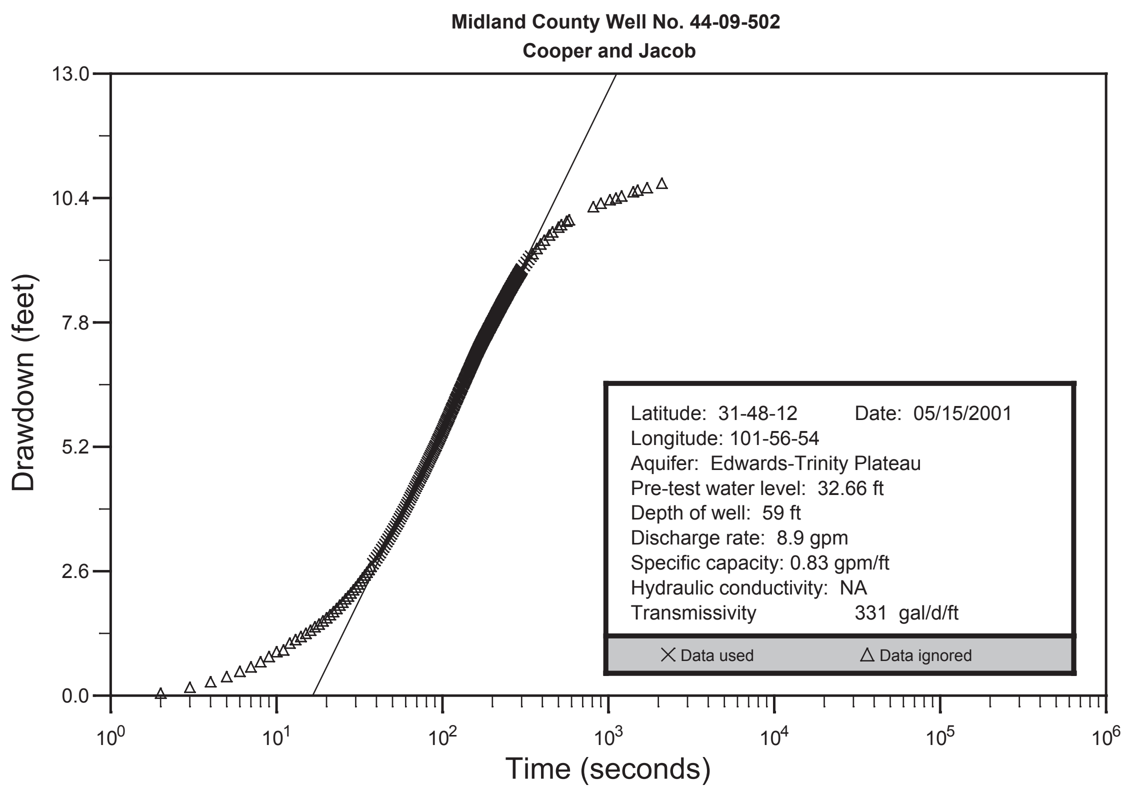

McCulloch County Well No. 42-52-505
Theis Recovery
Latitude: 31-11-47
Date: 04/04/1988
Longitude: 99-34-56
Aquifer: Other
Pre-test water level: 289 ft
Depth of well: 2400 ft
Discharge rate: 201 gpm
Specific capacity: 2.4 gpm/ft
Hydraulic conductivity: 9.4 gal/d/sq ft
Transmissivity 3748 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
23.0
18.4
13.8
9.2
4.6
0.0
10^1
10^2
10^3
10^4
time, t/t'


McCulloch County Well No. 42-54-301
Theis Recovery
Residual Drawdown (feet)
Time, t/t'
23.0
18.4
13.8
9.2
4.6
0.0
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}
10^{5}
Latitude: 31-13-20
Date: 07/26/2001
Longitude: 99-17-08
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 12.24 ft
Depth of well: 71 ft
Discharge rate: 12 gpm
Specific capacity: 0.55 gpm/ft
Hydraulic conductivity: NA
Transmissivity 85 gal/d/ft
Data used
Data ignored

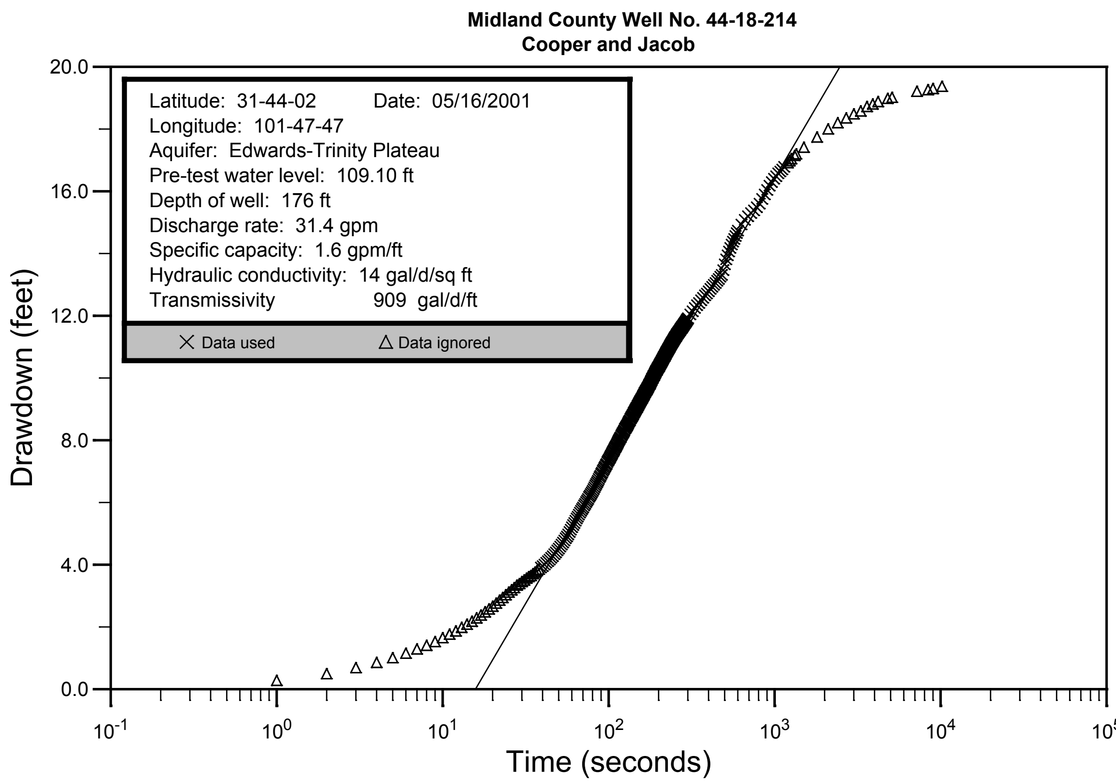

McCulloch County Well No. 42-54-704
Cooper and Jacob
Drawdown (feet)
Time (minutes)
126.0
100.8
75.6
50.4
25.2
0.0
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
Latitude: 31-09-14
Date: 02/05/1985
Longitude: 99-20-12
Aquifer: Ellenburger-San Saba
Pre-test water level: 297 ft
Depth of well: 2249 ft
Discharge rate: 985 gpm
Specific capacity: 7.9 gpm/ft
Hydraulic conductivity: 14 gal/d/sq ft
Transmissivity 17751 gal/d/ft
Data used
Data ignored

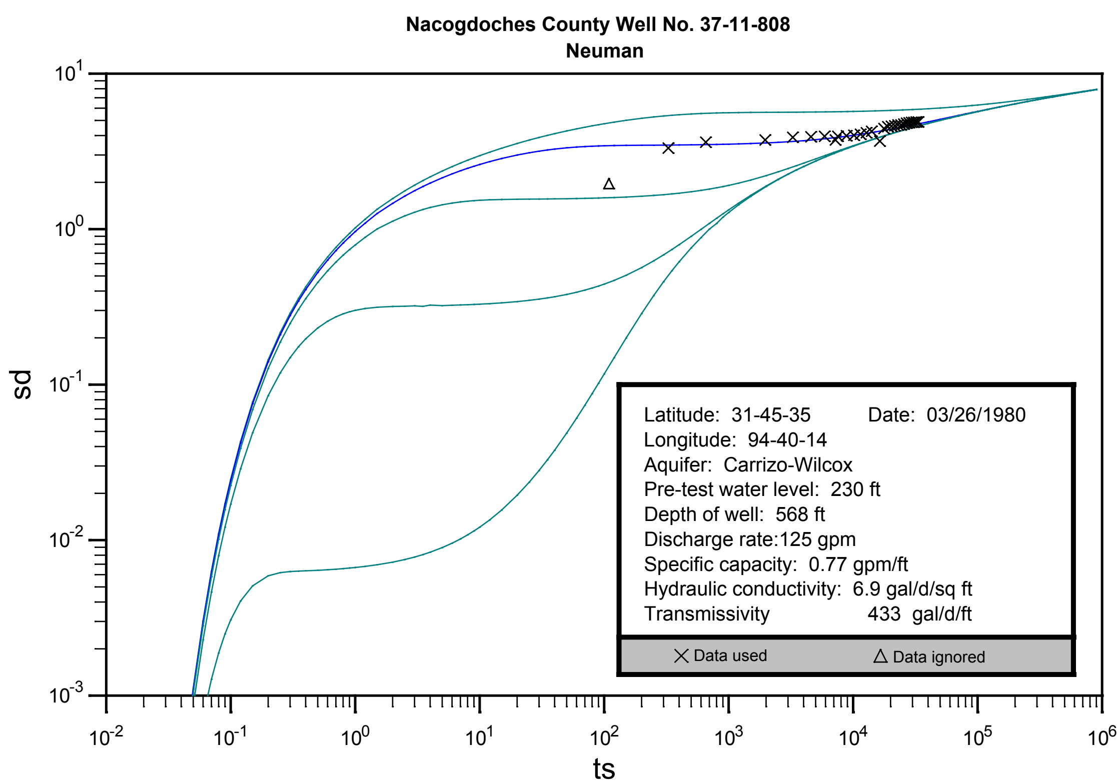


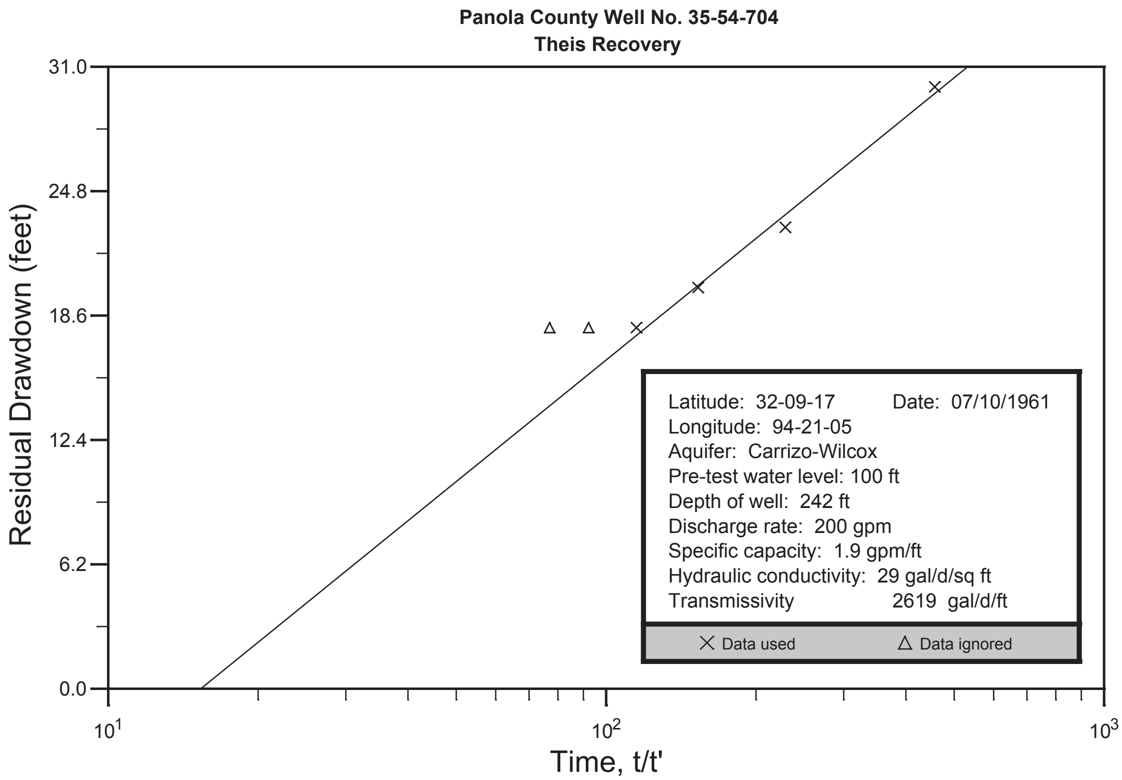
Menard County Well No. 56-19-208
Theis Recovery
Residual Drawdown (feet)
90.0
72.0
54.0
36.0
18.0
0.0
Time, t/t'
10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5}
Latitude: 30-43-27
Date: 03/08/2001
Longitude: 99-41-36
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 120.60 ft
Depth of well: 210 ft
Discharge rate: 8 gpm
Specific capacity: 0.09 gpm/ft
Hydraulic conductivity: NA
Transmissivity 5 gal/d/ft
Data used
Data ignored



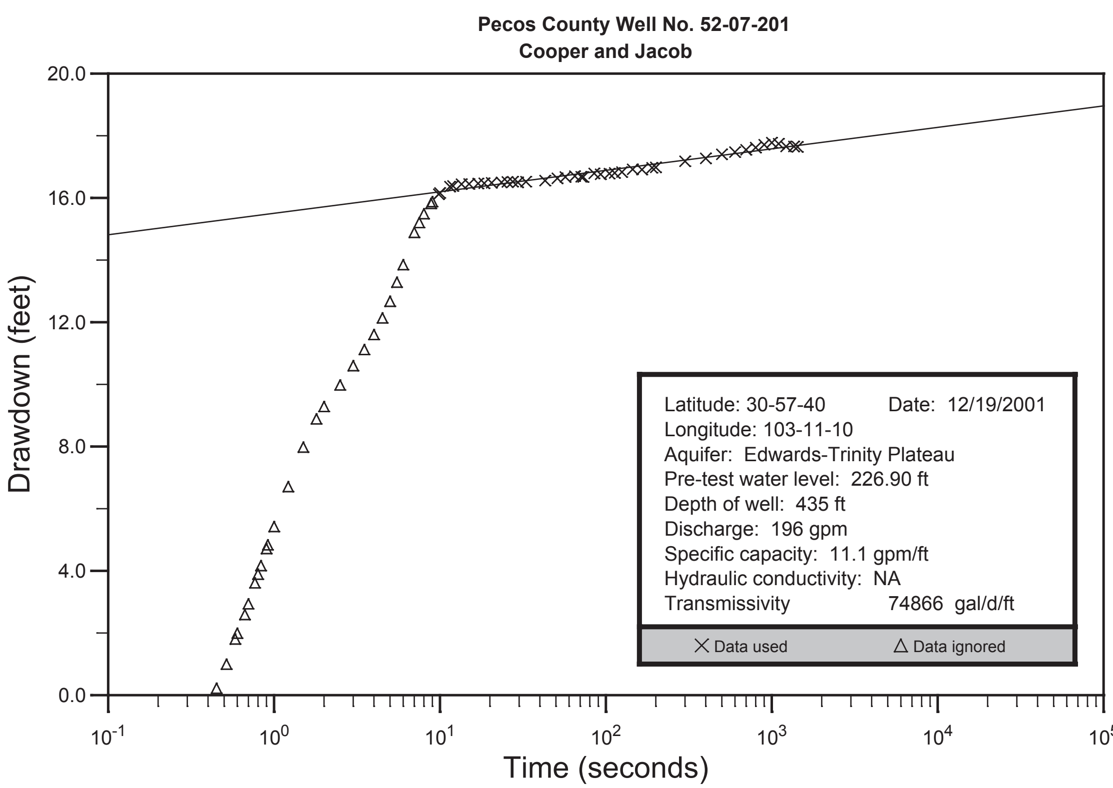
Midland County Well No. 44-09-502
Cooper and Jacob
Drawdown (feet)
13.0
10.4
7.8
5.2
2.6
0.0
Time (seconds)
10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6}
Latitude: 31-48-12
Date: 05/15/2001
Longitude: 101-56-54
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 32.66 ft
Depth of well: 59 ft
Discharge rate: 8.9 gpm
Specific capacity: 0.83 gpm/ft
Hydraulic conductivity: NA
Transmissivity 331 gal/d/ft
Data used
Data ignored


Midland County Well No. 44-18-214
Cooper and Jacob
Latitude: 31-44-02
Date: 05/16/2001
Longitude: 101-47-47
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 109.10 ft
Depth of well: 176 ft
Discharge rate: 31.4 gpm
Specific capacity: 1.6 gpm/ft
Hydraulic conductivity: 14 gal/d/sq ft
Transmissivity 909 gal/d/ft
Data used
Data ignored
Drawdown (feet)
Time (seconds)

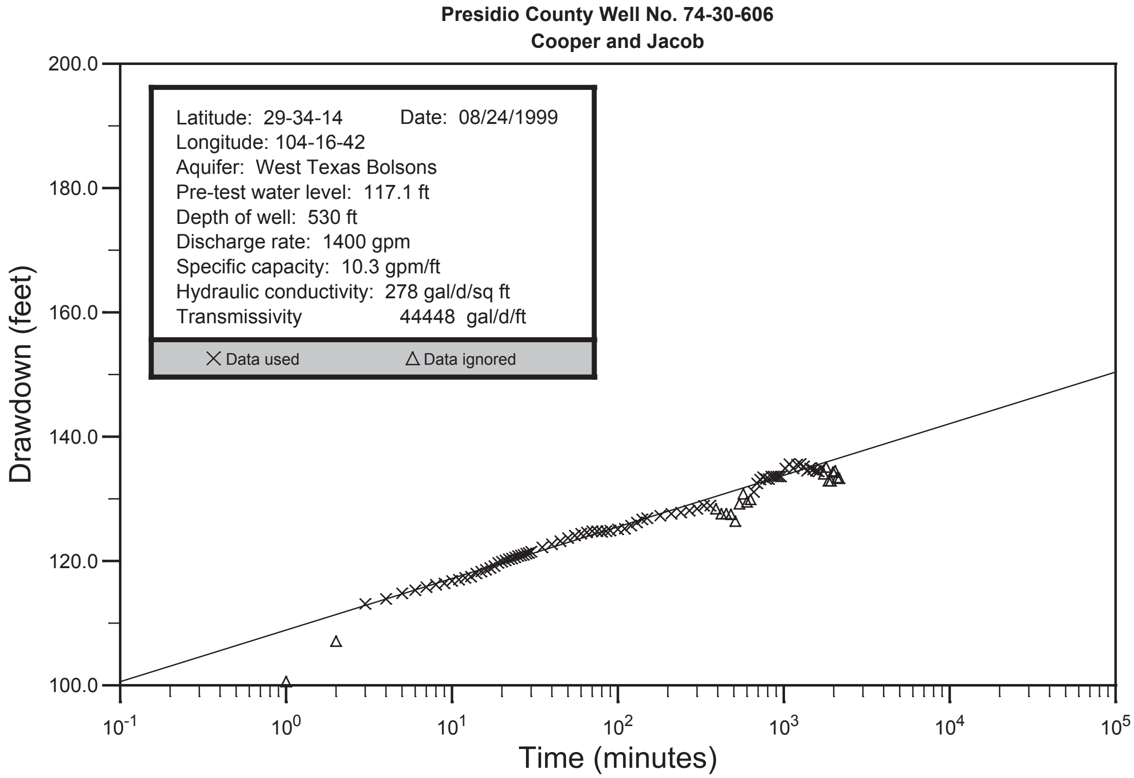

Nacogdoches County Well No. 37-11-808
Neuman
Latitude: 31-45-35
Date: 03/26/1980
Longitude: 94-40-14
Aquifer: Carrizo-Wilcox
Pre-test water level: 230 ft
Depth of well: 568 ft
Discharge rate:125 gpm
Specific capacity: 0.77 gpm/ft
Hydraulic conductivity: 6.9 gal/d/sq ft
Transmissivity 433 gal/d/ft
Data used
Data ignored
sd
ts

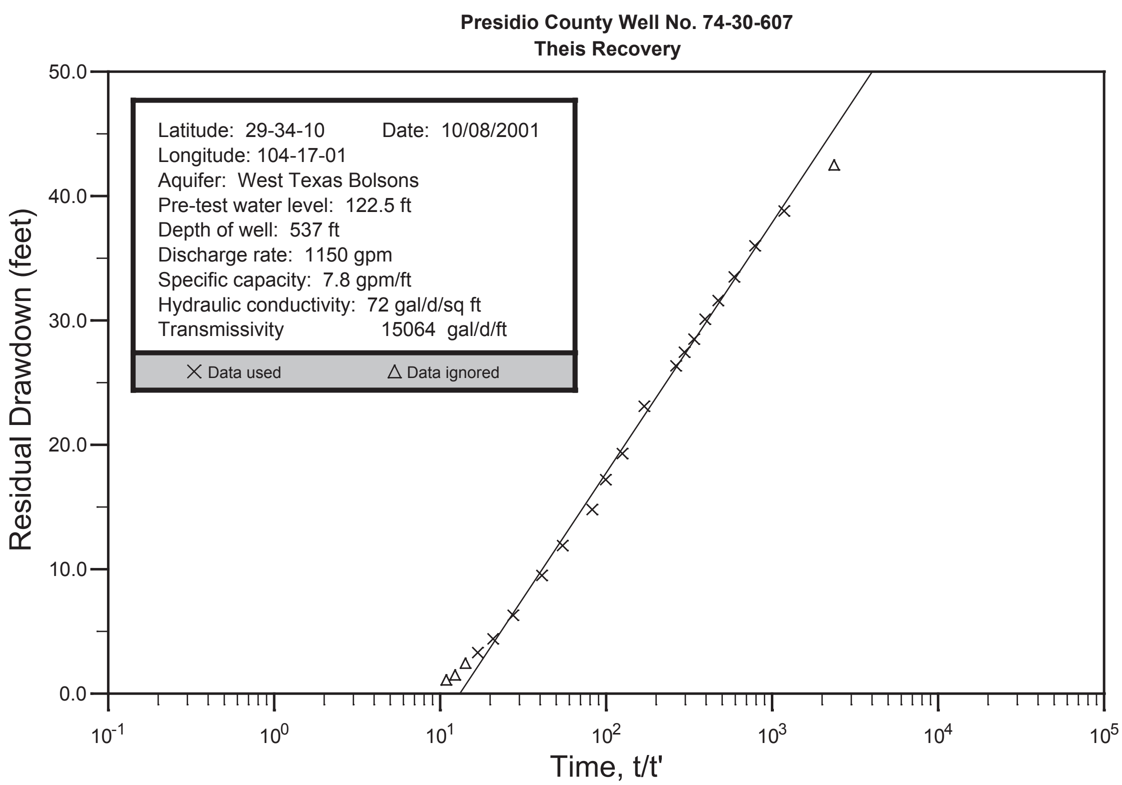


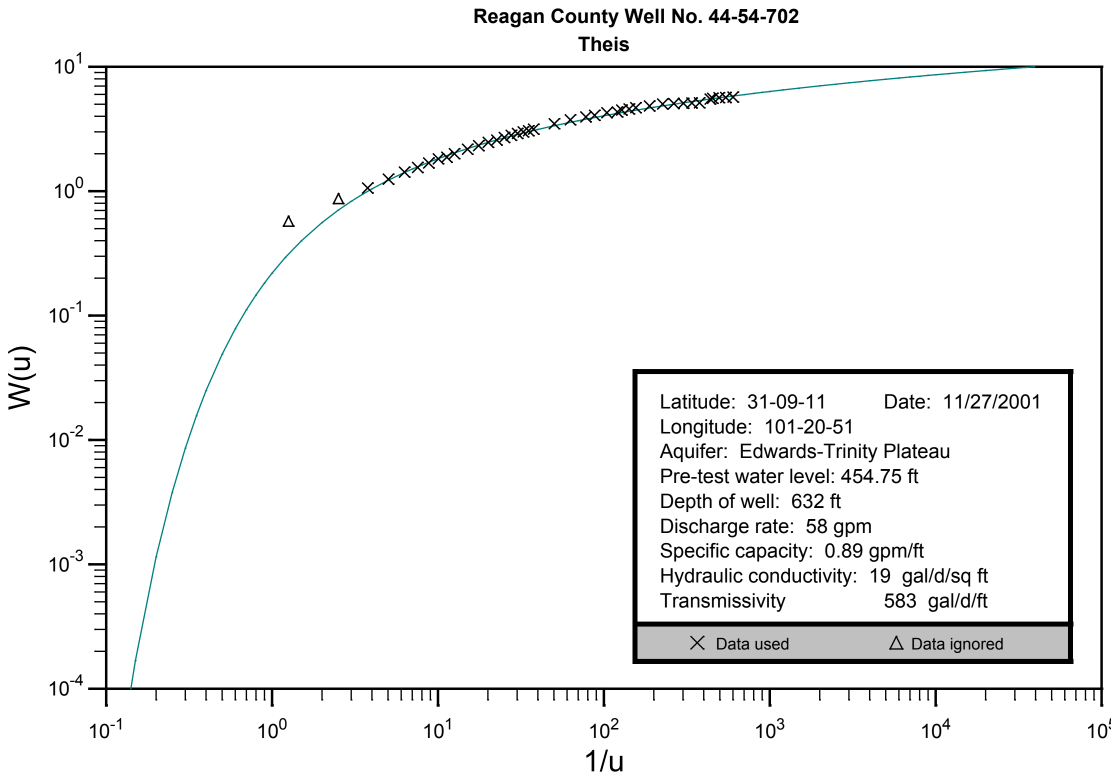
Panola County Well No. 35-54-704
Theis Recovery
Residual Drawdown (feet)
31.0
24.8
18.6
12.4
6.2
0.0
Time, t/t'
10^1
10^2
10^3
Latitude: 32-09-17
Date: 07/10/1961
Longitude: 94-21-05
Aquifer: Carrizo-Wilcox
Pre-test water level: 100 ft
Depth of well: 242 ft
Discharge rate: 200 gpm
Specific capacity: 1.9 gpm/ft
Hydraulic conductivity: 29 gal/d/sq ft
Transmissivity 2619 gal/d/ft
Data used
Data ignored

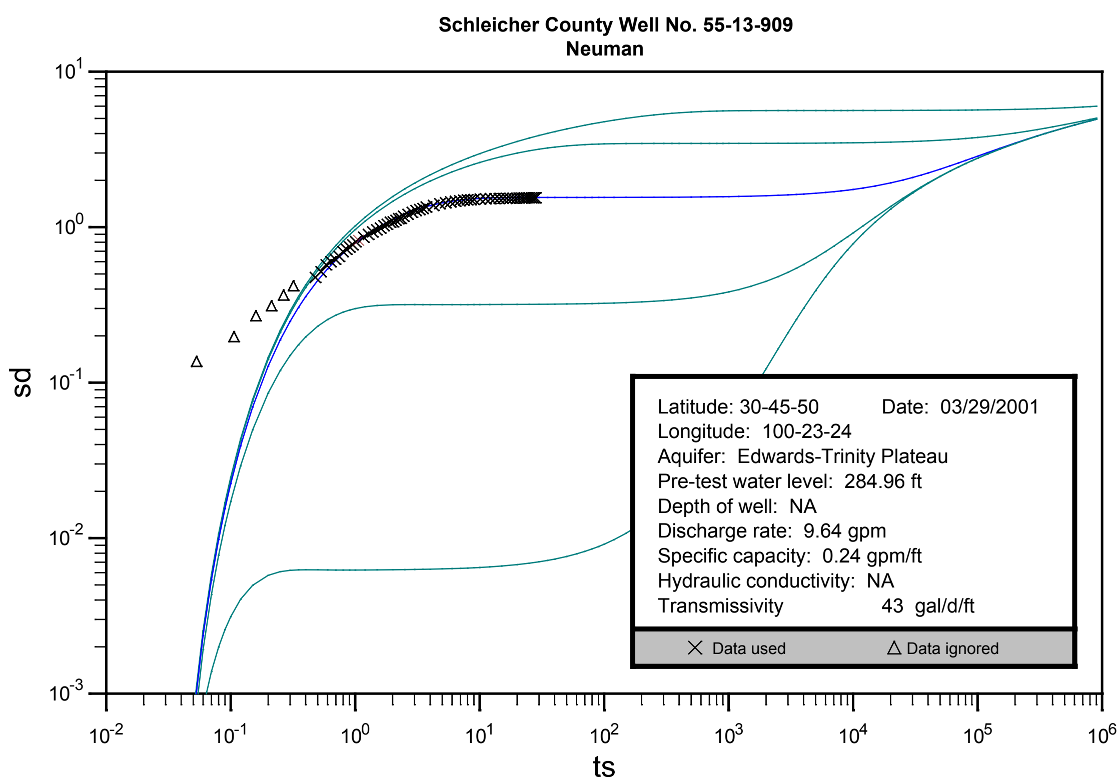


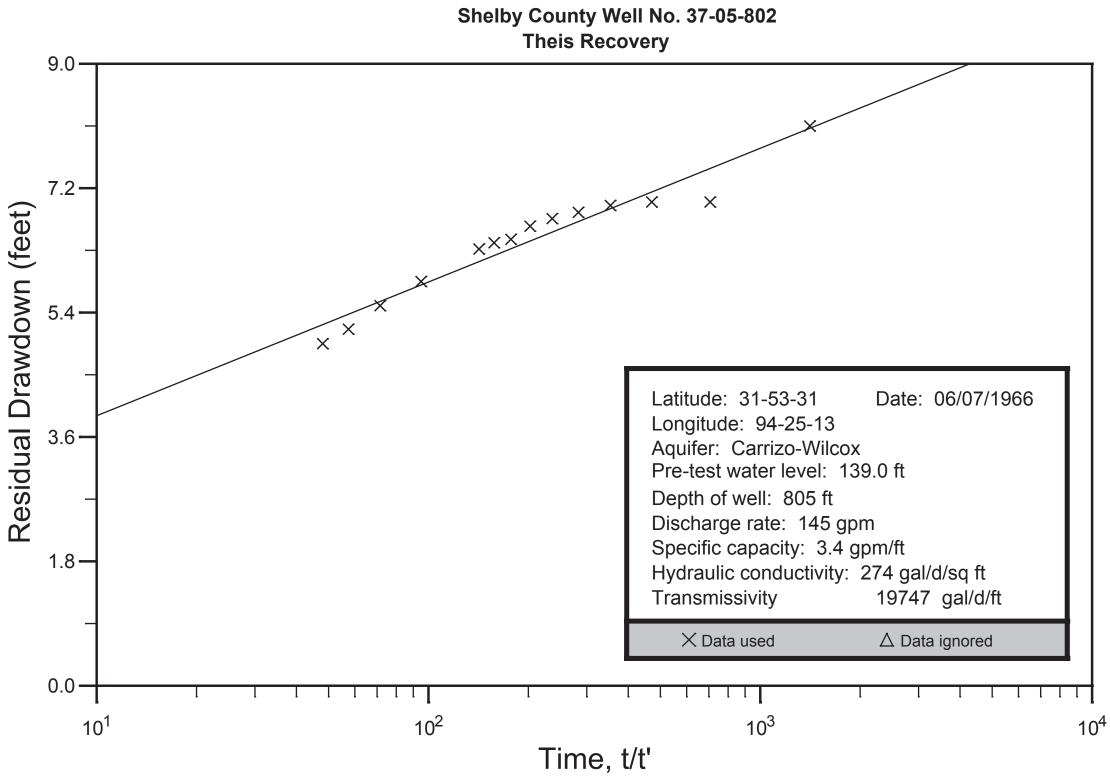
Pecos County Well No. 52-07-201
Cooper and Jacob
Drawdown (feet)
20.0
16.0
12.0
8.0
4.0
0.0
Time (seconds)
10^{-1}
10^0
10^1
10^2
10^3
10^4
10^5
Latitude: 30-57-40
Date: 12/19/2001
Longitude: 103-11-10
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 226.90 ft
Depth of well: 435 ft
Discharge: 196 gpm
Specific capacity: 11.1 gpm/ft
Hydraulic conductivity: NA
Transmissivity 74866 gal/d/ft
Data used
Data ignored

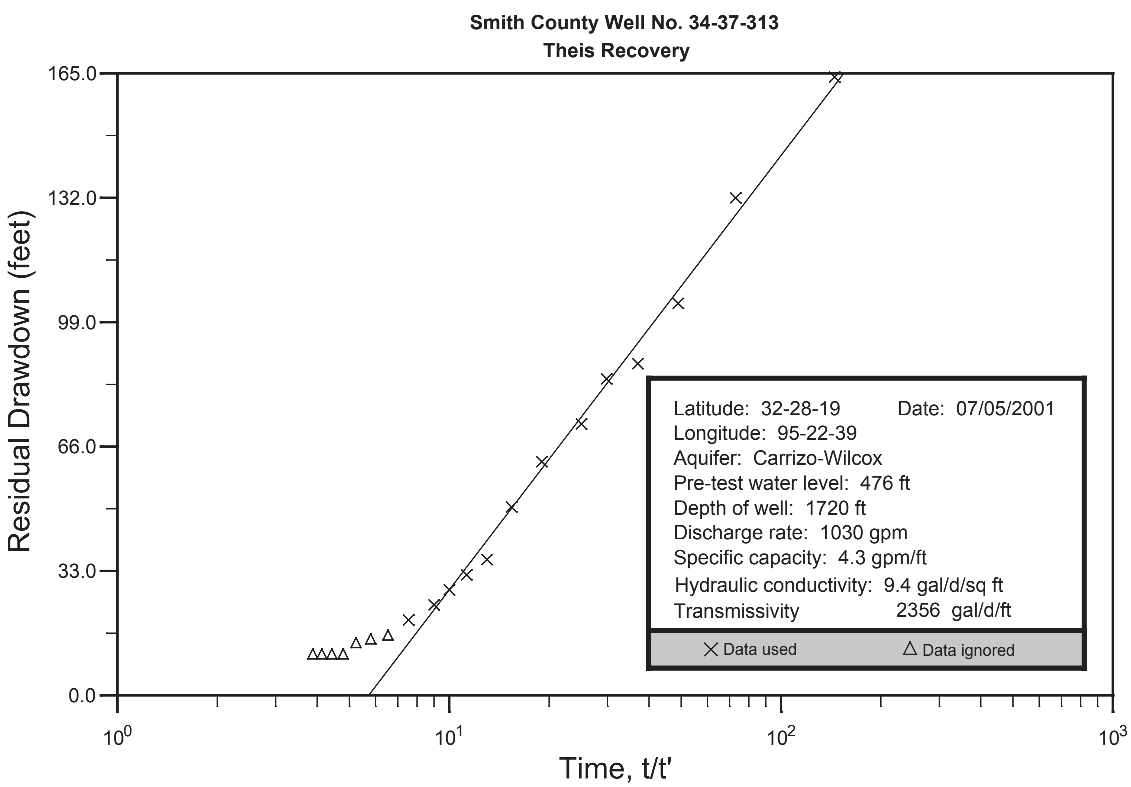

Presidio County Well No. 74-30-606
Cooper and Jacob
Latitude: 29-34-14
Date: 08/24/1999
Longitude: 104-16-42
Aquifer: West Texas Bolsons
Pre-test water level: 117.1 ft
Depth of well: 530 ft
Discharge rate: 1400 gpm
Specific capacity: 10.3 gpm/ft
Hydraulic conductivity: 278 gal/d/sq ft
Transmissivity 44448 gal/d/ft
Data used
Data ignored
Drawdown (feet)
200.0
180.0
160.0
140.0
120.0
100.0
Time (minutes)
10-1
100
101
102
103
104
105

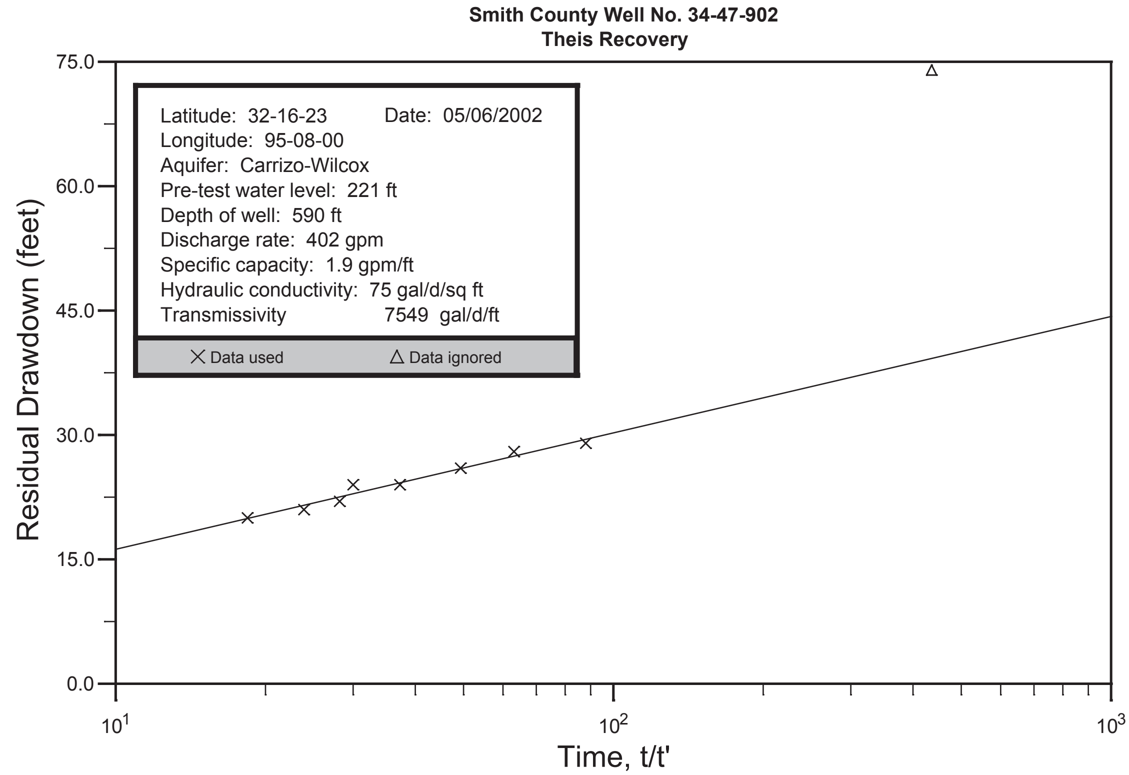

Presidio County Well No. 74-30-607
Theis Recovery
Latitude: 29-34-10
Date: 10/08/2001
Longitude: 104-17-01
Aquifer: West Texas Bolsons
Pre-test water level: 122.5 ft
Depth of well: 537 ft
Discharge rate: 1150 gpm
Specific capacity: 7.8 gpm/ft
Hydraulic conductivity: 72 gal/d/sq ft
Transmissivity 15064 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
50.0
40.0
30.0
20.0
10.0
0.0
Time, t/t'
10-1
100
101
102
103
104
105

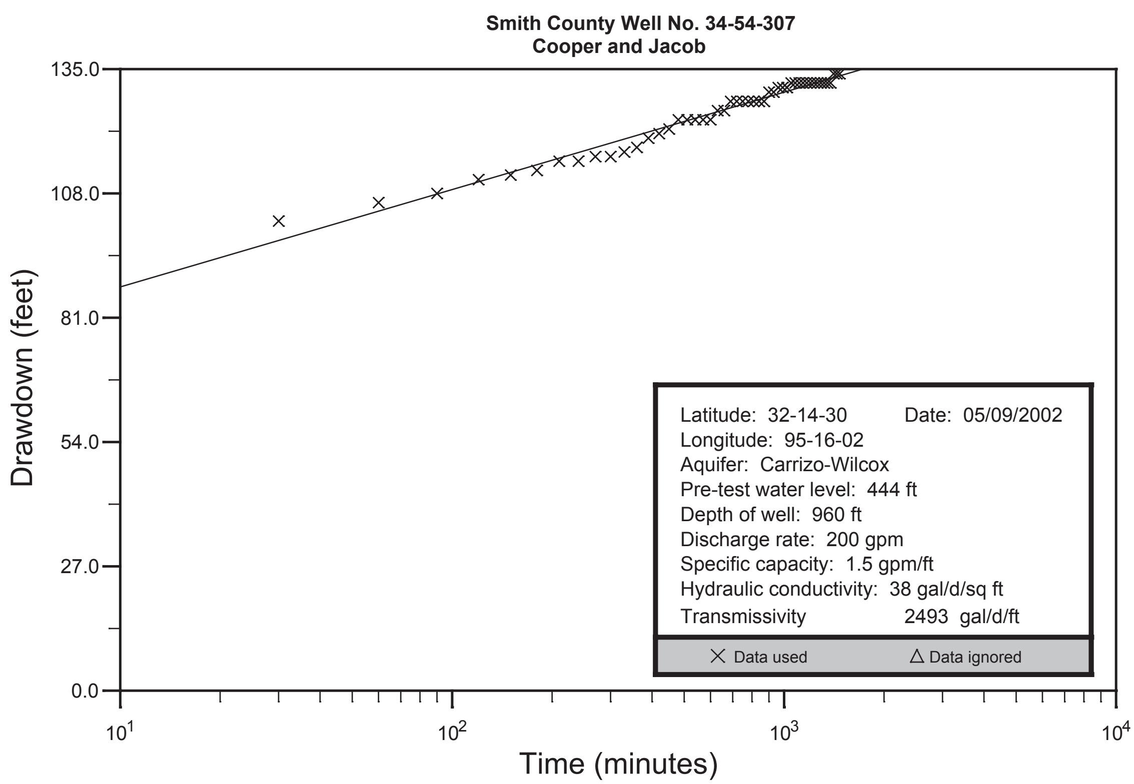

Reagan County Well No. 44-54-702
Theis
W(u)
1/u
Latitude: 31-09-11
Date: 11/27/2001
Longitude: 101-20-51
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 454.75 ft
Depth of well: 632 ft
Discharge rate: 58 gpm
Specific capacity: 0.89 gpm/ft
Hydraulic conductivity: 19 gal/d/sq ft
Transmissivity 583 gal/d/ft
Data used
Data ignored

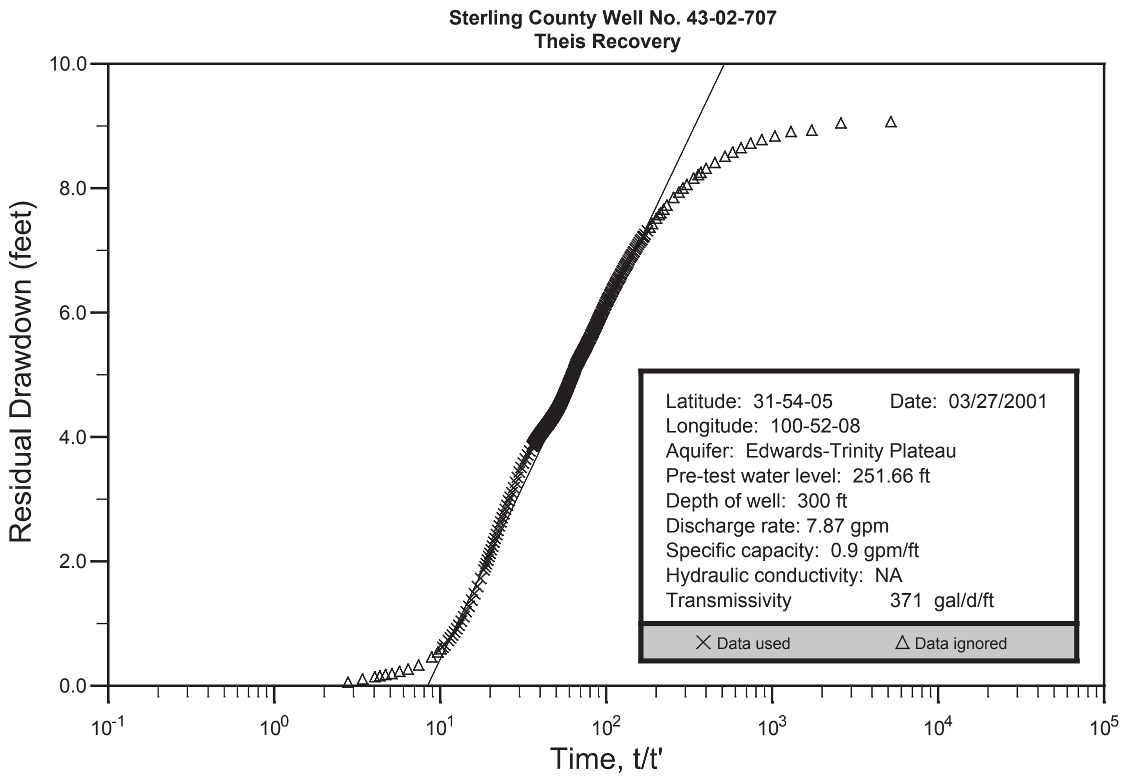

Schleicher County Well No. 55-13-909
Neuman
sd
ts
Latitude: 30-45-50
Date: 03/29/2001
Longitude: 100-23-24
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 284.96 ft
Depth of well: NA
Discharge rate: 9.64 gpm
Specific capacity: 0.24 gpm/ft
Hydraulic conductivity: NA
Transmissivity 43 gal/d/ft
Data used
Data ignored

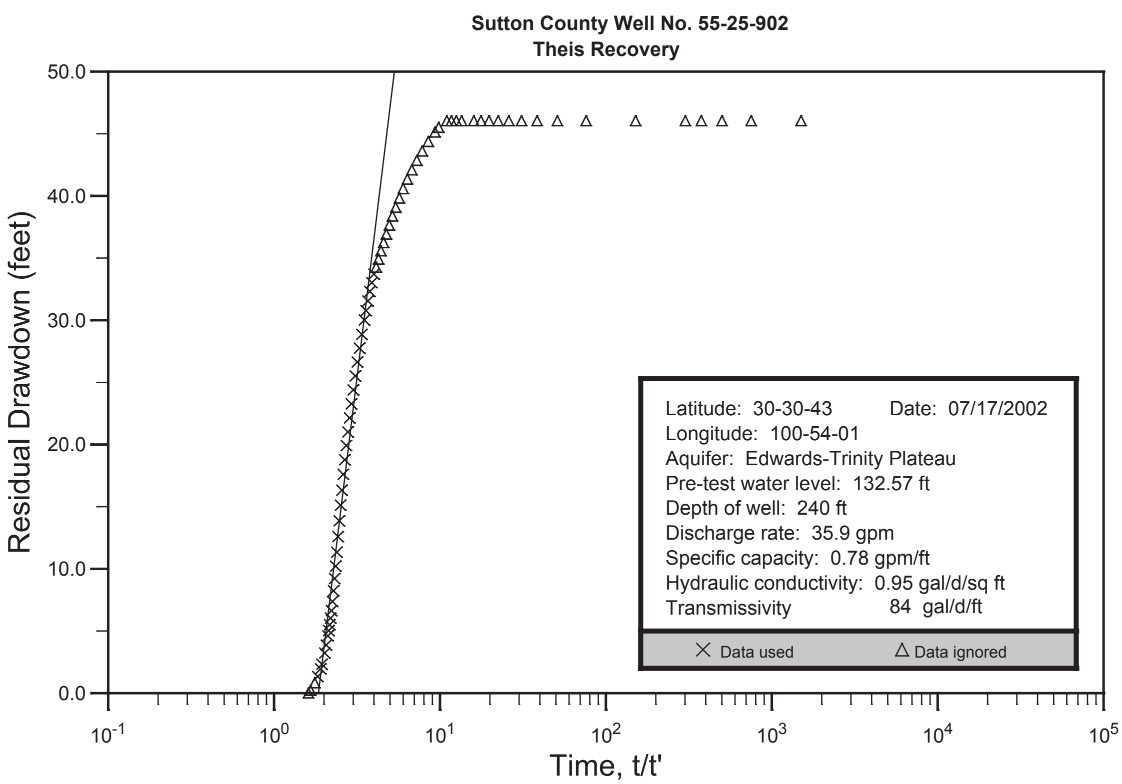

Shelby County Well No. 37-05-802
Theis Recovery
Residual Drawdown (feet)
9.0
7.2
5.4
3.6
1.8
0.0
Time, t/t'
10^1
10^2
10^3
10^4
Latitude: 31-53-31
Date: 06/07/1966
Longitude: 94-25-13
Aquifer: Carrizo-Wilcox
Pre-test water level: 139.0 ft
Depth of well: 805 ft
Discharge rate: 145 gpm
Specific capacity: 3.4 gpm/ft
Hydraulic conductivity: 274 gal/d/sq ft
Transmissivity 19747 gal/d/ft
Data used
Data ignored

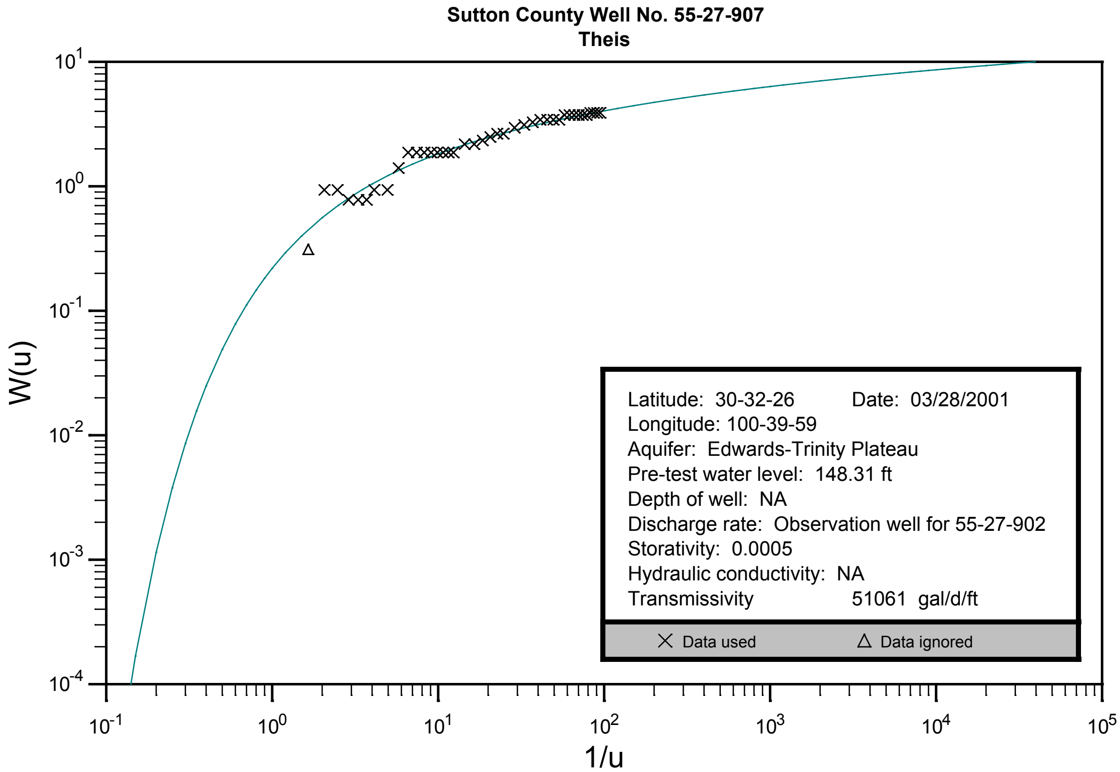

Smith County Well No. 34-37-313
Theis Recovery
Residual Drawdown (feet)
165.0
132.0
99.0
66.0
33.0
0.0
Time, t/t'
10^0
10^1
10^2
10^3
Latitude: 32-28-19
Date: 07/05/2001
Longitude: 95-22-39
Aquifer: Carrizo-Wilcox
Pre-test water level: 476 ft
Depth of well: 1720 ft
Discharge rate: 1030 gpm
Specific capacity: 4.3 gpm/ft
Hydraulic conductivity: 9.4 gal/d/sq ft
Transmissivity 2356 gal/d/ft
Data used
Data ignored

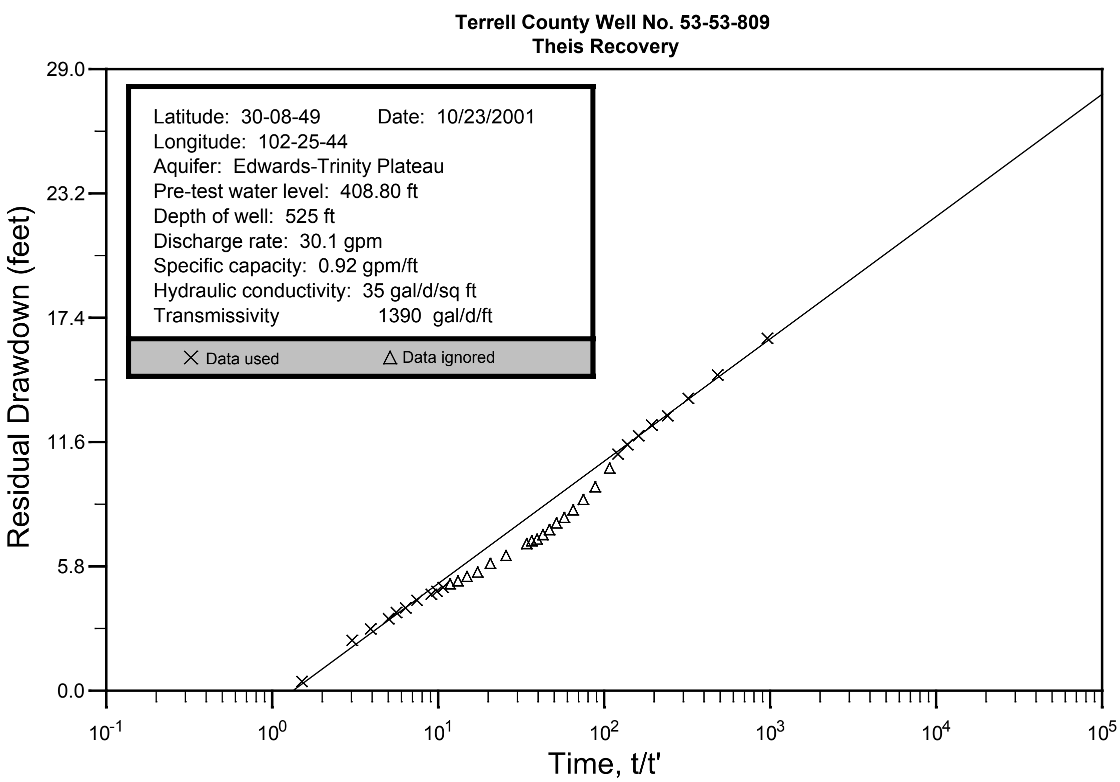

Smith County Well No. 34-47-902
Theis Recovery
Latitude: 32-16-23
Date: 05/06/2002
Longitude: 95-08-00
Aquifer: Carrizo-Wilcox
Pre-test water level: 221 ft
Depth of well: 590 ft
Discharge rate: 402 gpm
Specific capacity: 1.9 gpm/ft
Hydraulic conductivity: 75 gal/d/sq ft
Transmissivity 7549 gal/d/ft
Data used
Data ignored
Residual Drawdown (feet)
75.0
60.0
45.0
30.0
15.0
0.0
10^1
10^2
10^3
Time, t/t'

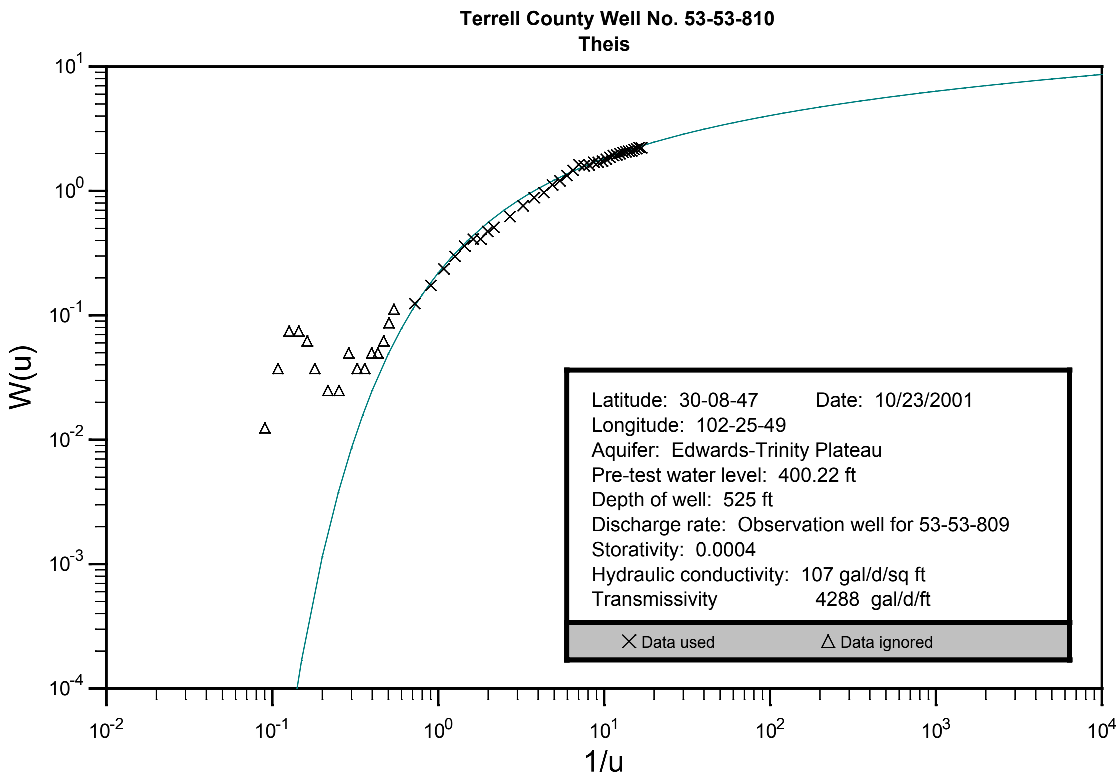

Smith County Well No. 34-54-307
Cooper and Jacob
Latitude: 32-14-30
Date: 05/09/2002
Longitude: 95-16-02
Aquifer: Carrizo-Wilcox
Pre-test water level: 444 ft
Depth of well: 960 ft
Discharge rate: 200 gpm
Specific capacity: 1.5 gpm/ft
Hydraulic conductivity: 38 gal/d/sq ft
Transmissivity 2493 gal/d/ft
Data used
Data ignored
Drawdown (feet)
135.0
108.0
81.0
54.0
27.0
0.0
10^1
10^2
10^3
10^4
Time (minutes)


Sterling County Well No. 43-02-707
Theis Recovery
Residual Drawdown (feet)
Time, t/t'
Latitude: 31-54-05
Date: 03/27/2001
Longitude: 100-52-08
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 251.66 ft
Depth of well: 300 ft
Discharge rate: 7.87 gpm
Specific capacity: 0.9 gpm/ft
Hydraulic conductivity: NA
Transmissivity 371 gal/d/ft
Data used
Data ignored

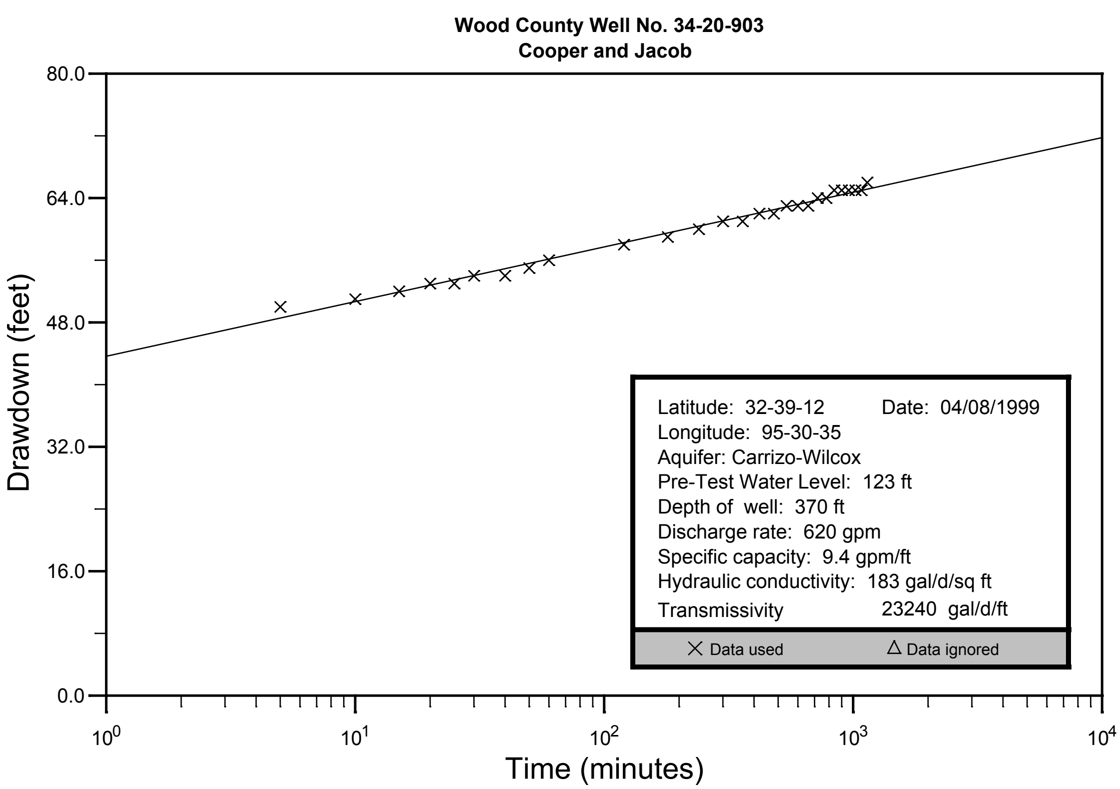

Sutton County Well No. 55-25-902
Theis Recovery
Residual Drawdown (feet)
Time, t/t'
Latitude: 30-30-43
Date: 07/17/2002
Longitude: 100-54-01
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 132.57 ft
Depth of well: 240 ft
Discharge rate: 35.9 gpm
Specific capacity: 0.78 gpm/ft
Hydraulic conductivity: 0.95 gal/d/sq ft
Transmissivity 84 gal/d/ft
Data used
Data ignored


Sutton County Well No. 55-27-907
Theis
W(u)
1/u
Latitude: 30-32-26 Date: 03/28/2001
Longitude: 100-39-59
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 148.31 ft
Depth of well: NA
Discharge rate: Observation well for 55-27-902
Storativity: 0.0005
Hydraulic conductivity: NA
Transmissivity 51061 gal/d/ft
Data used
Data ignored


Terrell County Well No. 53-53-809
Theis Recovery
Residual Drawdown (feet)
Time, t/t'
Latitude: 30-08-49 Date: 10/23/2001
Longitude: 102-25-44
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 408.80 ft
Depth of well: 525 ft
Discharge rate: 30.1 gpm
Specific capacity: 0.92 gpm/ft
Hydraulic conductivity: 35 gal/d/sq ft
Transmissivity 1390 gal/d/ft
Data used
Data ignored



Terrell County Well No. 53-53-810
Theis
W(u)
1/u
Latitude: 30-08-47 Date: 10/23/2001
Longitude: 102-25-49
Aquifer: Edwards-Trinity Plateau
Pre-test water level: 400.22 ft
Depth of well: 525 ft
Discharge rate: Observation well for 53-53-809
Storativity: 0.0004
Hydraulic conductivity: 107 gal/d/sq ft
Transmissivity 4288 gal/d/ft
Data used
Data ignored



Wood County Well No. 34-20-903
Cooper and Jacob
Drawdown (feet)
Time (minutes)
Latitude: 32-39-12 Date: 04/08/1999
Longitude: 95-30-35
Aquifer: Carrizo-Wilcox
Pre-Test Water Level: 123 ft
Depth of well: 370 ft
Discharge rate: 620 gpm
Specific capacity: 9.4 gpm/ft
Hydraulic conductivity: 183 gal/d/sq ft
Transmissivity 23240 gal/d/ft
Data used
Data ignored