Geothermal Resources of Texas

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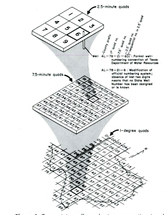
Table 1. Selected thermal wells and springs of Texas.

Data presented in this table are organized by county and then by aquifer. Each data point on the map is identified by a two-letter county code and a simple, unique number the BEG County Well Number. These codes refer both to this table and to a larger BEG file (approximately 1,100 data points) of thermal resources in Texas. These data are also stored in the GEOTHERM data bank of the U.S. Geological Survey, Menlo Park, California.

Also in the tabulation of the table is another, more elaborate number, the Texas State Well Number (TWN), assigned by the Texas Department of Water Resources. This number furnishes locational information based on the subdivision of 1-degree latitude/longitude quadrangles into sixty-four 7.5-minute sections, which in turn are subdivided into nine 2.5-minute parts (fig. 1).

This table also includes the name of the well or spring and various physical parameters. Most of the analyses in the table are reported as given in metric units, but a conversion table has been provided. "Flow" refers to natural discharge at the ground surface (without the use of a pump). The year of flow measurement is included in parentheses because at many sites this natural discharge no longer occurs.


2.5-minute quads
7.5-minute quads
1-degree quads
Texas State Well Number
Name of Well or Spring*
Temperature (°C)
Depth (m)
Flow in l/min*
Comments*
Total Dissolved Solids (mg/l)
ANDERSON COUNTY (AN)
CARBONIFEROUS AQUIFER
AN-1 PALESTINE MUNICIPAL WSC NO. 1 4714 50.6 212
AN-2 PALESTINE MUNICIPAL WSC NO. 2 4809 51 181
AN-3 PALESTINE MUNICIPAL WSC NO. 3 4714 50.6 212
AN-4 BURNAM KIMBLE PRESS 1111 110.1 314 389
AN-5 BURNAM KIMBLE PRESS (2) 1111 110.1 314
AN-6 BURNS TEXACO WATERFLOOD WELL 1961 56.7 1021
ANGELINA COUNTY (AG)
CARBONIFEROUS AQUIFER
AG-1 PINEWAY MUNICIPAL WSC NO. 1 4978 91 190
ATASCOSA COUNTY (AL)
SPARTA AQUIFER
AL-1 PLUTO CITY OF CHRISTINE WELL 4914 51.7 275 12 (1963) NOT USED (1994)
QUEEN CITY AQUIFER
AL-2 PLUTO CITY OF CHRISTINE WELL 4713 51.6 127
AL-3 TEXACO TUBB DEEP WELL 4914 51.7 275 (1963)
AL-4 TEXACO C.O. HARRISON WELL 4877 49.9 191 (1966)
AL-5 TEXACO C.O. HARRISON WELL 4877 49.9 191 (1966)
CARRIZO-WILCOX AQUIFER
AL-6 PLUTO CITY OF CHRISTINE WELL 4914 51.7 275 12 (1963) 5/1423
AL-7 TEXACO TUBB DEEP WELL 5756 59.9 328 1978 (1975) 5/1423
EDWARDS AQUIFER
AL-8 WEST BEAUTY PARK NO. 2 4572 50.4 148
AL-9 TEXACO JOHN WILSON, JR. NO. 2 4267 47.8 131
AL-10 TEXACO JOHN WILSON, JR. NO. 3 4267 47.8 131
AL-11 TEXACO C.O. HARRISON NO. 2 4877 49.9 191 *
AL-12 TEXACO C.O. HARRISON NO. 3 4877 49.9 191 *
AL-13 PLUTO CITY OF CHRISTINE WELL 4914 51.7 275 *
AL-14 PLUTO CITY OF CHRISTINE WATER WELL 5420 53.4 329 *
EDWARDS-WILCOX AQUIFER
AL-15 TEXACO C.O. HARRISON NO. 1 5211 51.6 149
AL-16 LAYTON CASTLE BLEND NO. 1 4845 51.2 128 FLOWED UNTIL 1964
BEE COUNTY (AK)
CARRIZO-WILCOX AQUIFER
AK-1 TEXAS STANDARD OIL & GAS WATER WELL 3915 51.1
BELL COUNTY (AJ)
MISSISSIPPIAN AQUIFER
AJ-1 BELTON MUNICIPAL WELL NO. 2 1219 38.9 1119 (1962)
AJ-2 BELTON MUNICIPAL WELL NO. 3 1463 43.1 1000 (1962)
AJ-3 MCGHEE CITY OF TROY NO. 2 1067 37.2 180
AJ-4 MCGHEE CITY OF TROY NO. 3 1067 37.2 180 (1963)
AJ-5 MCGHEE BELL/VILLAGE WELL NO. 1 1067 37.2 180 (1963)
AJ-6 MCGHEE BELL/VILLAGE WELL NO. 2 1067 37.2 180 (1963)
AJ-7 MCGHEE MCCONNELL MEM HOSPITAL 1067 37.2 180 (1963)
CARRIZO-WILCOX AQUIFER
AJ-8 TEMPLE WELL COUNTY WATER NO. 2 (CITY'S WORK) 4724 NA 1320
BEXAR COUNTY (AY)
EDWARDS AQUIFER
AY-1 SAN ANTONIO CITY OF (LOCKWOOD WELL) 1017 36.9 630 (27) (1915) PLUGGED
AY-2 SAN ANTONIO CITY OF (LOCKWOOD WELL) 1017 36.9 630 (27) (1915) PLUGGED
AY-3 SAN ANTONIO CITY OF (MAGNOLIA WELL) 1372 41.1 688 FR (1915) ABANDONED
AY-4 SAN ANTONIO CITY OF (MAGNOLIA WELL) 1417 41.1 676 FR (1966) *
AY-5 SAN ANTONIO U.S. GOVERNMENT 1417 41.1 676 (1966) *
AY-6 SAN ANTONIO U.S. GOVERNMENT 1417 41.1 676 (1966) *
AY-7 SAN ANTONIO U.S. GOVERNMENT 1417 41.1 676 (1966) *
CARRIZO-WILCOX AQUIFER
AY-8 SAN ANTONIO STATE OF TEXAS 1555.6 148.9 1000 (1966) * CAPPED OR PLUGGED
AY-9 SAN ANTONIO STATE OF TEXAS 1555.6 148.9 1000 (1966) CAPPED
BRAZORIA COUNTY (BH)
BH-1 LEVITT PLEASANT BAYOU NO. 1 IN SYSTEM STAGG TEMPORARILY SHUT IN
BRAZOS COUNTY (BI)
CARBONIFEROUS AQUIFER
BI-1 BRYAN CITY OF (BEE WELL) 4917 51.7 1060 12 (1947) *
BI-2 BRYAN CITY OF (BEE WELL NO. 2) 4917 51.7 1060 12 (1947) *
BI-3 BRYAN CITY OF (MUNICIPAL WELL NO. 3) 4572 51.7 1060 12 (1947) *
BI-4 TEXACO C.O. HARRISON NO. 1 5211 51.6 149 NOT USED
BRAZOS RIVER ALLUVIUM AQUIFER
BI-5 TEXACO C.O. HARRISON NO. 1 5211 51.6 149 NOT USED
BRAZOS RIVER ALLUVIUM AQUIFER
BI-6 TEXACO C.O. HARRISON NO. 1 5211 51.6 149 CAPPED
BRAZOS RIVER ALLUVIUM AQUIFER
BI-7 TEXACO C.O. HARRISON NO. 1 5211 51.6 149 *
BI-8 TEXACO C.O. HARRISON NO. 1 5211 51.6 149 *
BRISCOE COUNTY (BJ)
QUEEN CITY AQUIFER
BJ-1 SILVERTON CITY OF WELL NO. 1 4572 51.7 1060 12 (1947) *
BJ-2 SILVERTON CITY OF WELL NO. 2 4572 51.7 1060 12 (1947) *
BROOKS COUNTY (BF)
CARBONIFEROUS AQUIFER
BF-1 FALFURRIAS CITY OF WELL NO. 1 4877 N.S. 1192 12
BROWN COUNTY (BE)
ELLENBURGER AQUIFER
BE-1 BROWNWOOD CITY OF (WELL NO. 1 JOHNSON) (CLOSED WELL) 4961 51.7 1219 12 (1962) *
BE-2 BROWNWOOD CITY OF (WELL NO. 2) (CLOSED WELL) 4961 51.7 1219 12 (1962) *
BURLESON COUNTY (BS)
PECO-MAGNESIA AQUIFER
BS-1 CALDWELL CITY OF (WELL NO. 1) 1524.0 51.7 4537 1/4 (1976) NO LONGER USED
SPARTA AQUIFER
BS-2 TEXACO C.O. HARRIS OIL TEST 5852 58.9 1292 (2) (1971) *
BS-3 TEXACO C.O. HARRIS NO. 1 5852 58.9 1292 (2) (1971) *
QUEEN CITY AQUIFER
BS-4 MUNICIPAL UTILITIES BOARD 4572 51.7 1060 12 (1947) *
BS-5 MUNICIPAL UTILITIES BOARD 4572 51.7 1060 12 (1947) *
BS-6 MUNICIPAL UTILITIES BOARD 4572 51.7 1060 12 (1947) *
CARRIZO-WILCOX AQUIFER
BS-7 CALDWELL CITY OF (WELL NO. 1) 1524.0 51.7 4537 1/4 (1976) NO LONGER USED
BS-8 CALDWELL CITY OF (WELL NO. 2) 1524.0 51.7 4537 1/4 (1976) NO LONGER USED
COLEMAN COUNTY (BU)
CARBONIFEROUS AQUIFER
BU-1 CADDO PEAK WATER SUPPLY WELL 4877 N.S. 1192 12 (1976)
BU-2 CADDO PEAK WATER SUPPLY WELL 4877 N.S. 1192 12 (1976)
COLLIN COUNTY (BT)
ROGERSTOWN AQUIFER
BT-1 MCKINNEY CITY OF (WELL NO. 1) 4724.0 51.7 181
BT-2 MCKINNEY CITY OF (WELL NO. 2) 4724.0 51.7 181
BT-3 MCKINNEY CITY OF (WELL NO. 3) 4724.0 51.7 181
TRINITY AQUIFER
BT-4 MCKINNEY CITY OF (WELL NO. 4) 4877.0 51.7 181 (1976)
BT-5 MCKINNEY CITY OF (WELL NO. 5) 4877.0 51.7 181 (1976)
DALLAS COUNTY (BR)
TRINITY AQUIFER
BR-1 DALLAS CITY OF (SEAGOVILLE WELL) 4724.0 51.7 181 (1976)
BR-2 DALLAS CITY OF (SEAGOVILLE WELL) 4724.0 51.7 181 (1976)
DENTON COUNTY (BM)
ROGERSTOWN AQUIFER
BM-1 DENTON CITY OF (WELL NO. 1) 4877.0 51.7 181 (1976)
BM-2 DENTON CITY OF (WELL NO. 2) 4877.0 51.7 181 (1976)
DEWITT COUNTY (BD)
CARRIZO-WILCOX AQUIFER
BD-1 STAUFFER CITY OF (CLOSED NO. 1) 4572.0 N.S. 1524 (1963) ABANDONED
BD-2 THALHEIM CITY OF HORMONE NO. 1 4572.0 N.S. 1524
DIMMIT COUNTY (BC)
CARRIZO-WILCOX AQUIFER
BC-1 TEXACO C.O. GUTIERREZ, JR. NO. 1 5151.2 N.S. 177
BC-2 TEXACO C.O. GUTIERREZ, JR. NO. 2 5151.2 N.S. 177
BC-3 TEXACO C.O. GUTIERREZ, JR. NO. 3 5151.2 N.S. 177
BC-4 TEXACO C.O. GUTIERREZ, JR. NO. 4 5151.2 N.S. 177
BC-5 TEXACO C.O. GUTIERREZ, JR. NO. 5 5151.2 N.S. 177
DUVAL COUNTY (BB)
CARRIZO-WILCOX AQUIFER
BB-1 ALICE CITY OF (WELL NO. 1) 4572.0 N.S. 1524
BB-2 ALICE CITY OF (WELL NO. 2) 4572.0 N.S. 1524
BB-3 ALICE CITY OF (WELL NO. 3) 4572.0 N.S. 1524 (1963) NOT USED
EASTLAND COUNTY (BA)
ROGERSTOWN AQUIFER
BA-1 EASTLAND CITY OF (WELL NO. 1) 4572.0 51.7 1060 12 (1947) *
BA-2 EASTLAND CITY OF (WELL NO. 2) 4572.0 51.7 1060 12 (1947) *
BA-3 EASTLAND CITY OF (WELL NO. 3) 4572.0 51.7 1060 12 (1947) *
BA-4 EASTLAND CITY OF (WELL NO. 4) 4572.0 51.7 1060 12 (1947) *
ELLIS COUNTY (BZ)
CARBONIFEROUS AQUIFER
BZ-1 WAXAHACHIE CITY OF (WELL NO. 1) 4572.0 51.7 1060 12 (1947) *
BZ-2 WAXAHACHIE CITY OF (WELL NO. 2) 4572.0 51.7 1060 12 (1947) *
BZ-3 WAXAHACHIE CITY OF (WELL NO. 3) 4572.0 51.7 1060 12 (1947) *