

Water Well Log

Strata Geological Services, Inc.
Tarpley, Texas
830-562-3680



Well: **Agua Texas No. 2 Nickerson Farms**
Location: **Nicks Road**
Geologist: **William Feathergill Wilson, PG # 21**
Driller: **Davenport**
Rig Type: **Air & Mud Rotary**
Total Depth: **650'**

| Depth | Lithology | Description | Effective Porosity | | | Well Construction | Micro-graphs | Comments |
|-----------|---------------------|--|--------------------|----|----|-------------------|--------------|--|
| | | | 0 | 10 | 20 | | | |
| 0 - 33 | SAND & GRAVEL | It tan very coarse grained sand and gravel, in Pleistocene | | | | | | Pleistocene @ surface Elev = 1,538' N 29 57' 01.7" W 98 58' 29.1" 17" hole 0 - 480' Set 12" steel to 480, 8" stainless steel screen 480-650' Very poor samples, tops interpreted from cuttings and geophysical logs |
| 33 - 100 | MARL & LIMESTONE | It gray marl interbedded with for mariferal marl, top of Upper Glen Rose | | | | | | Top of Upper Glen Rose @ 33' |
| 100 - 120 | LIMESTONE | It tan-ly gray biomicrite, top of Lower Glen Rose | | | | | | Top of Lower Glen Rose @ 100' |
| 120 - 150 | MARL & LIMESTONE | It gray alternating marl and phosphate fragment biomicrite | | | | | | |
| 150 - 200 | LIMESTONE | It gray-ly tan biomicrite | | | | | | Water table @ ~ 148' |
| 200 - 230 | MARL & LIMESTONE | It gray marl alternating with phosphate fragment biomicrite | | | | | | |
| 230 - 240 | LIMESTONE | It tan biomicrite | | | | | | |
| 240 - 250 | SANDY LIMESTONE | It tan sandy biomicrite | | | | | | |
| 250 - 260 | SANDSTONE | It tan-white calcareous fine-med grained sandstone | | | | | | |
| 260 - 272 | SANDY CLAY | It gray sandy marl | | | | | | Top of Hensel Sand Member, Pearsall Formation @ 272' |
| 272 - 280 | SANDY MICRODOLomite | It tan sandy microdolomite, top of Hensel | | | | | | |
| 280 - 343 | SANDY SILT | cream-white fine-med grained sand and silt | | | | | | Samples were primarily core from the Pleistocene (0-33'), interpretation mainly based upon geophysical log and very poor samples from 290-480' |
| 343 - 367 | SANDY CLAY | It gray sand clay, top of Exar | | | | | | Top of Exar Member, Pearsall Formation @ 343' |
| 367 - 400 | SANDY LIMESTONE | cream porous bio sparite, top of Cow Creek | | | | | | Top of Cow Creek Member, Pearsall Formation @ 367' |
| 400 - 420 | SANDY MICRODOLomite | It tan microdolomite | | | | | | |
| 420 - 458 | CLAY | It gray sticky clay, top of Hammett | | | | | | Top of Hammett Clay Member, Pearsall Formation @ 420' |
| 458 - 592 | SAND & GRAVEL | It tan-variegated fine-med grained sandstone, top of Hosston | | | | | | Top of Sligo - Hosston @ 458'; Sligo was not recovered |
| 592 - 650 | SHALE | It gray shale, top of Pennsylvanian | | | | | | Top of Pennsylvanian @ 592' |