Water Well Log

Strata Geological Services, Inc.
Turpin, Texas
830.562.3880

Well: HWGWCD #6
Location: Goat Creek Road FM 1338
Owner: William Feathergill Wilson, PG # 21
Driller: Aramaiggor, Mike
Rig Type: Air Rotary
Total Depth: 605'

Depth	Water	Lithology	Description	Effective Porosity (0 10 20)	Well Construction	Micro-graphs	Comments
0–110			0 - 110 MARL & LIMESTONE: cream-lt gray alternating marl and bioincrete, Upper Glen Rose				Upper Glen Rose @ surface Elev = 1,834' N 30 07' 42.59" W 99 11' 30.01" 1st hole 0- 405' Set 7" PFC to 394; Screen 360'-370-390' Set 10 HP pump @ 112' with water level @ 147.1' (6-05-14-06) Pump 3 days with 1.7' drawdown and an instantaneous recovery, water level was 142' high to the # 1 3-island and 87' high to a valley well 500' south
110–120			110 - 120 SAND/CLAY: lt gray sandy marl				
120–130			120 - 130 MARL & LIMESTONE: lt gray alternating marl and bioincrete				
130–150			130 - 150 CLAYEY SILT: lt gray marly siltstone				
150–160			150 - 160 MARL: lt gray marl				Water table @ ~ 148'
160–185			160 - 185 SILTY LIMESTONE: lt gray silty bioincrete				
185–205			185 - 205 SILTY MARL: lt gray silty marl				
205–220			205 - 220 SAND: lt gray marly micritic mud grained sand, top of Hensel, marine 205-240 paleosol-continental 240-250, channel and beach sediments 350-390'				Top of Hensel Sand Member, Pearsall Formation @ 210'
220–240			220 - 240 SILTY MARL: lt gray silty marl				
240–307			240 - 307 CLAYEY SAND: lt tan-lt gray-lt brown marly mud grained sand				
307–315			307 - 315 FALBOSOL: red paleosol				
315–320			315 - 320 CLAYEY SAND: lt tan marly mud grained sand				
320–330			320 - 330 SANDY CLAY: lt tan sandy clay				Formation packers 320,330
330–347			330 - 347 CLAYEY SAND: lt tan clayey sand				
347–450			347 - 450 SAND: lt orange-white coarse-very coarse grained sand and beds of gravel				Screen (70.000") 330-390'
450–460			450 - 460 SAND & GRAVEL: lt orange-white, Blanthorpe fragment conglomerate				
460–470			460 - 470 DOLOMITE: lt orange-white silicified micritic, Blanthorpe gel boulder				
470–480			470 - 480 SAND: lt orange-white loose coarse grained sand				
480–485			480 - 485 FALBOSOL: red silty paleosol				
485–500			485 - 500 SAND: lt red-lt orange-white coarse grained sand interbedded with thin beds of paleosol				
500–565			500 - 565 SAND & GRAVEL: lt orange-white loose sand and gravel				
565–570			565 - 570 FALBOSOL: lt red silty paleosol				
570–590			570 - 590 SAND & GRAVEL: white-lt orange Blanthorpe fragment conglomerate				
590–605			590 - 605 DOLOMITE: white-lt orange dolomite, top of Blanthorpe gel				Top of Blanthorpe @ 590', 500 million year unconformity and time hiatus