

# Water Well Log

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



Well HOGWD #1 Wheatcraft  
Location Center Point, Hwy 27 Wheatcraft Materials  
Geologist William Feathergail Wilson PG # 21  
Driller Edmunds Drlg - Clovis Riley  
Rig Type Air Rotary  
Total Depth 580'

Depth	Water	Lithology	Description	Effective Porosity			Well Construction	Micro-graphs	Comments
				0	10	20			
0 - 43		SAND & GRAVEL	It tan very coarse sand and gravel, Pleistocene-Holocene alluvium	100	100	100			Pleistocene-Holocene @ surface Elev = 14,96' N 29 56' 36.1" W 99 01' 04.7" Set 1 1/2" steel casing @ 45', 10 3/4" 0-340', 8 5/8" @ 340-479', open hole 7 7/8" 479-580'
43 - 105		MARL & LIMESTONE	It gray alternating marl and phosphate bearing biomicrite, top of Upper Glen Rose						Top of Upper Glen Rose @ 43'
105 - 160		LIMESTONE	It gray-it tan phosphate fragment biomicrite-bioparite, top of Lower Glen Rose, Corbula bed @ 105'						Top of Lower Glen Rose @ 105'
160 - 185		MICRODOLomite	It tan microdolomite						Water level @ 172'
185 - 186		COAL	black sub-bituminous coal						
186 - 215		MICRODOLomite	It tan microdolomite						
215 - 216		COAL	black sub-bituminous coal						
216 - 222		MICRODOLomite	It tan microdolomite						Top of Hensel Member, Pearsall Fm @ 222'
222 - 240		SAND	It gray-white silty fg sand, top of Hensel						
240 - 241		COAL	black sub-bituminous coal						Top of Cement basket @ 240', sealed to surface, casing, screen and open hole below with no seal
241 - 270		SAND	It gray vfg sand						Slotted casing 240-340', no seal to total depth
270 - 272		COAL	black sub-bituminous coal						
272 - 280		SAND	It gray silty fg sand						
280 - 290		COAL	black sub-bituminous coal						
290 - 330		SAND	It tan-orange coarse-very coarse grained sand						
330 - 340		PALEOSOL	red-it orange paleosol						Top of Bexar Member, Pearsall Fm @ 354', did not identify in samples???
340 - 354		SAND	It tan-orange coarse-very coarse grained sand						Top of Cow Creek Member, Pearsall Fm @ 360'
354 - 360		PALEOSOL	red-orange paleosol, top of Bexar						Jetted 150 gpm wire drilling
360 - 380		SAND & GRAVEL	It tan-white coarse-very coarse sand and gravel, top of Cow Creek						Slotted casing 360-400'
380 - 412		LIMESTONE	white porous bioparite-biomicrite						Top of Hammett Clay Mbr, Pearsall Formation @ 412'
412 - 423		CLAY	It gray sticky clay, top of Hammett						Top of Hosston Formation @ 423'
423 - 550		SAND	It tan-orange coarse-very coarse grained sand, top of Hosston						Slotted casing 440-479'
550 - 570		TUFF	white ash fall welded tuff						7 7/8" open hole 479-580'
570 - 580		SAND	It tan-orange coarse-very coarse grained sand						Hole filled with caved material 543-580' upon logging geophysically, more hole expected to fill