

GGS # 3519  
 William Horne Test Well #1  
 Dooley County  
 L.S. 412' T.D. 699'

Cuttings description by Meredith Y. Curtin 6/82

Sample Interval	Elevation	Description
0 - 20'	412'	<u>Sand</u> , clr, f to crs qtz, suba to subr; <u>Clay</u> , gray and red mot, sdy (residuum)
20 - 40'	392'	<u>Sand</u> , orange, f to crs qtz, suba; <u>Clay</u> , (50%), orange mot, sdy
40 - 60'	372'	<u>Sand</u> , orange, med to crs, qtz, suba to subr; <u>Clay</u> (40%), dk org to red org; <u>Chert</u> (15%), dk tan, fossil replacements, rr glau, red clay in pore space
60 - 80'	352'	<u>Chert</u> , dk orange tan to tan, fossil re- placement, blk manganese str; <u>Limestone</u> (10%), crm bry coquina, very porous; <u>Sand</u> (10%), f clr qtz
81 - 101'	331'	<u>Limestone</u> , crm, bry coquina, v crs
101 - 110	311'	<u>Limestone</u> , crm, fossil hash, crs, occ fltg sd grains, loose bry
110 - 120'	302'	<u>Sand</u> , f to v crs, qtz; <u>Clay</u> , red; cvg?
120 - 183'	292'	No samples
183 - 200'	229'	<u>Shell fragments</u> , flat and v crs, worn, other fos deb, gastropod, bry, some str sand; <u>Limestone</u> (10%), crm to lt yellow, sdy; <u>Limestone</u> (5%), gray, arg, glau, occ sdy; <u>Sand</u> (5%), clr qtz, f to v crs, subr
- 200 - 220'	212'	<u>Limestone</u> , tan to crm, v sdy, flat worn shell frag; <u>Limestone</u> (5%), grey, glau, arg
220 - 240'	192'	<u>Sand</u> , clr qtz, f to crs, suba to subr; <u>Clay</u> , red to crm, flky
240 - 260'	172'	<u>Sand</u> , clr qtz, med to v crs; <u>Clay</u> , red to tan, sdy strks, ss strks; <u>Limestone</u> , grey, to lt grey, arg, fos, glau

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260 - 280'	152'	<u>Sand</u> , v lt orange to clr qtz, med, subr, occ pale rose qtz
280 - 300'	132'	<u>Sand</u> , v lt orange, clr qtz, subr, occ crs grains
300 - 320'	112'	<u>Clay</u> , grey, sdy, glau, silt, mica, carb flex, swells in water; <u>Sand</u> , as above (280 - 300')
320 - 340'	92'	<u>Sand</u> , lt grey to grey, suba, sl arg, slty, mica; <u>Clay</u> (10%), as above (300 - 320')
340 - 360'	72'	<u>Sand</u> , lt grey, med to f, subr, clr and yel-org qtz; <u>Clay</u> (5%), grey, carb mat
360 - 380'	52'	<u>Sand</u> , v lt grey, f to med, subr, clr qtz, mica, occ fos debris, rr glau
380 - 400'	32'	<u>Sand</u> , as above (360 - 380'), <u>Clay</u> , grey to dk grey, sl flky, micromicaceous
400 - 420'	12'	<u>Limestone</u> , crm to lt grey, sdy, v sdy strk, fos, occ pyr; <u>Limestone</u> (10%), grey med to f fos hash, arg, sl sdy, rr glau; <u>Clay</u> (5%), dk grey, calc, slty, occ sd
420 - 440'	-8'	<u>Sand</u> , lt grey, crs, frosted and translucent qtz, suba to subr
440 - 460'	-28'	<u>Sand</u> , as above (420 - 440'); <u>Clay</u> (5%), dk grey, flky, sl calc
460 - 480'	-48'	<u>Sand</u> , as above (420 - 440'), wht fldspar
480 - 500'	-68'	<u>Sand</u> , lt grey to grey, med to f, suba to subr, carb plant remains; <u>Clay</u> (3%), dk grey to v dk grey, carb mat, sl slty
500 - 520'	-88'	<u>Limestone</u> , grey, sdy, arg, mica, rr glau, rr pry, v poorly sorted
520 - 540'	-108'	<u>Sand</u> , lt grey, med to f, clr qtz, flg crs sd, suba, mica
540 - 560'	-128'	<u>Sand</u> , lt grey, f to crs, suba to subr, mica
560 - 580'	-148'	<u>Sand</u> , lt grey, f suba, clr qtz, mica; <u>Clay</u> , grey to dk grey, calc, swells in H <sub>2</sub> O

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580 - 600'	-168'	<u>Sand</u> , lt grey, med, subgr, clr qtz, rr glau, mica; <u>Limestone</u> (4%), grey, v sdy, rr glau
600 - 620'	-188'	<u>Limestone</u> , grey, sdy, arg, glau
620 - 640'	-208'	<u>Sand</u> , lt grey, f mica, clr qtz
640 - 660'	-228'	<u>Sand</u> , as above (620 - 640'); <u>Limestone</u> , as above (600 - 620')
660 - 680'	-248'	<u>Sand</u> , med to f, v lt grey, mica, rr glau, carb mat, worn shell frag, <u>Inoc</u> prisms, Forams; <u>Clay</u> , dk grey, flky, mic mica
680 - 699'	-268'	<u>Sand</u> , med to f, v lt grey, suba, shell frag, Forams, mica; <u>Clay</u> , as above (660 - 680')