W2-C SW WELL FIELD PRODUCTION WELL SYSTEM

WELL 227

*Depth (feet)	Lithologic Description
0-10	Limestone: dark yellowish orange 10 YR 6/6 and yellowish gray 5Y 8/1; fossiliferous micrite; high vuggy macroporosity; bi-valves; trace of organics and phosphate.
10-20	Limestone: medium gray N5; fossiliferous micrite; high vuggy macroporosity.
20-40	Silty Clay: yellowish gray 5Y 7/2; friable to very friable.
40-90	Silty Clay: greenish gray 5GY 6/1; friable to very friable.
90-100	Silty Clay (50%): greenish gray 5GY 6/1; friable to very friable. Limestone (35%): olive gray 5Y 6/1; moderate intergranular porosity; bi-valves. Phosphate (15%): Coarse; sub-angular; moderately well sorted.
100-120	Limestone: very light gray N8; inbedded fine phosphate particles; friable; ~5% small shell fragments.
120-130	Limestone (60%): very light gray N8; inbedded fine phosphate particles; friable. Shell Fragments (40%): coarse to fine; moderately well sorted.
130-160	Limestone: very light gray N8; inbedded fine phosphate particles; friable; ~5% shell fragments.
160-180	Limestone: yellowish gray 5Y 7/2; very friable; high intergranular macroporosity.
180-190	Limestone (70%): medium gray N8; very hard; low intergranular macroporosity. Shell Fragments (30%): coarse to fine moderately poorly sorted.
190-200	Silty Clay (90%): grayish olive 10 Y 4/2; very friable. Limestone (10%): medium gray N5; very hard; low intergranular macroporosity.

*Depth refers to depth below land surface (bls).

W2-C SW WELL FIELD PRODUCTION WELL SYSTEM

WELL 227

*Depth (feet)	Lithologic Description
200-210	Marl (90%): yellowish gray 5Y 7/2; abundant very fine, well sorted phosphate particles. Limestone (10%): yellowish gray 5Y 7/2; fossiliferous.
210-220	Limestone: very light gray N8; fossiliferous micrite; chrinoid stems; moderate amount of inbedded very fine phosphate.
220-260	Limestone: yellowish gray 5Y 7/2; fossiliferous sparite; chrinoid stems; bi-valves; moderate amount of loose and inbedded very fine phosphate; moderate to moderately high primary porosity.
260-290	Marl: yellowish gray 5Y 7/2 to light olive gray 5Y 5/2; abundant very fine phosphate in a clay matrix; ~5% limestone.
290-300	Marl (80%): yellowish gray 5 Y 7/2; abundant very fine phosphate in a clay matrix. Limestone (20%): yellowish gray 5 Y 7/2; biomicrite.
300-310	Clay/Marl: grayish olive 10 Y 4/2; moderately friable; trace of limestone and phosphate.
310-330	Limestone (50%): light olive gray 5Y 5/2; hard; moderately low apparent porosity. Clay (50%): light olive gray 5Y 5/2; friable to medium friable.
330-350	Limestone: yellowish gray 5Y 7/2, light gray N7 and very light gray N8; moderately low apparent primary porosity; trace of phosphate; minor small vugs.
350-360	Limestone (50%): light gray N7 and yellowish gray 5Y 8/1; fossiliferous micrite; moderate porosity; trace of fine phosphate Clay/Marl (50%): light gray N7; friable.
360-430	Limestone: very light gray N8; inbedded with clay/marl; fossiliferous micrite; moderately vuggy; friable; high apparent primary porosity.
430-440	Marl: white N9 to very light gray N8; very friable; ~5% limestone.

*Depth refers to depth below land surface (bls).

W2-C SW WELL FIELD PRODUCTION WELL SYSTEM

WELL 227

*Depth (feet)	Lithologic Description
440-450	Limestone (50%): white N9 to very light gray N8; fossiliferous micrite; moderately friable; moderate to high porosity; few small vugs; trace of phosphate. Marl (50%): white N9 to very light gray N8; very friable.
450-500	Limestone: white N9 to very light gray N8; fossiliferous micrite; moderately friable; moderate to high porosity; few small vugs; trace of phosphate.
500-550	Limestone: white N9 to very light gray N8; biomicrite; moderately friable; moderate to high porosity; abundant small vugs; trace of coarse phosphate.
550-560	Limestone (50%): white N9; fossiliferous micrite; moderately friable; moderate porosity; small amount of inbedded very fine phosphate. Marl (50%): white N9; friable.
560-570	Limestone (60%): very light gray N8; fossiliferous sparmicrite; moderately porous; trace of coarse phosphate flakes; friable. Marl (40%): light gray N7; soft.
570-590	Limestone: yellowish gray 5Y 7/2 and light gray N7; fossiliferous sparmicrite; high porosity; few small vugs; trace of coarse phosphate flakes; friable.
590-620	Marl (80%): very light gray N8; trace of very fine phosphate and coarse phosphate flakes; soft. Limestone (20%): very light gray N8; micrite; moderate to low porosity; friable.
620-630	Silty Clay (70%): light olive gray 5Y 5/2 and dark yellowish brown 10YR 4/2; medium soft. Limestone (30%): pale yellowish brown 10YR 6/2 to light brown gray 5YR 6/1; fossiliferous micrite; hard; moderate amount of fine to medium inbedded phosphate.
630-640	Marl (60%): very light gray N8; trace of very fine phosphate and coarse phosphate flakes; soft. Limestone (40%): very light gray N8; micrite; moderate to low porosity; friable.

*Depth refers to depth below land surface (bls).

W2-C SW WELL FIELD PRODUCTION WELL SYSTEM

WELL 227

*Depth (feet)	Lithologic Description
640-650	Silty Clay (70%): light olive gray 5Y 5/2 and dark yellowish brown 10YR 4/2; medium soft. Limestone (30%): pale yellowish brown 10YR 6/2 to light brown gray 5YR 6/1; fossiliferous micrite; hard; moderate amount of fine to medium inbedded phosphate.
650-660	Marl (40%): yellowish gray 5Y 7/2; soft Clay (30%): yellowish gray 5Y 7/2; soft Limestone (30%): very light gray N8; micrite, moderate to low porosity.
660-715	Limestone: yellowish gray 5Y 8/1; fossiliferous micrite; friable; high porosity; ~5% dolomite and phosphate.

*Depth refers to depth below land surface (bls).