

W-2C SW WELLFIELD PRODUCTION WELL SYSTEM

WELL 230

*Depth (feet)

Lithologic Description

0-10	Sand: yellowish gray 5Y 8/1; calcium carbonate; very fine to fine; well sorted; trace of phosphate; trace of shell fragments.
10-30	Shell fragments: very light gray N8 to medium dark gray N4 and yellowish gray 5Y 8/1; some whole ~¼ inch bi-valves.
30-60	Clay: dark greenish gray 5GY 4/1; moderately stiff; silty.
60-80	Sandy Clay: greenish gray 5GY 6/1; soft.
80-100	Clay: dark greenish gray 5GY 4/1; moderately stiff; silty.
100-110	Clay (50%): olive gray 5Y 3/2; soft. Limestone (50%): light gray N7; high intergranular vuggy porosity; biomicrite; bi-valves; trace of phosphate.
110-120	Limestone (90%): light gray N7; high intergranular vuggy porosity; biomicrite. Clay (10%): olive gray 5Y 3/2; soft.
120-130	Limestone (80%): yellowish gray 5Y 7/2; micrite; friable; high intergranular vuggy macroporosity; trace of phosphate. Clay (20%): olive gray 5Y 3/2; soft.
130-140	Sandy Clay (60%): olive gray 5Y 3/2; soft. Limestone (40%): yellowish gray 5Y 7/2; micrite; friable; high intergranular vuggy macroporosity; trace of phosphate.
140-150	Clay (80%): dusky yellow green 5GY 5/2; very soft. Limestone (20%): yellowish gray 5Y 8/1; biomicrite; friable; high intergranular vuggy macroporosity; trace of phosphate.
150-160	Clay (60%): dusky yellow green 5GY 5/2; very soft. Limestone (40%): yellowish gray 5Y 8/1; biomicrite; friable; high intergranular vuggy macroporosity; trace of phosphate.
160-170	Clay (50%): greenish gray 5GY 6/1; soft. Limestone (50%): yellowish gray 5Y 8/1; biomicrite; friable; high intergranular vuggy porosity; trace of phosphate.
170-190	Limestone (70%): yellowish gray 5Y 8/1; biomicrite; friable; high intergranular vuggy porosity; trace of phosphate. Clay (30%): greenish gray 5G 6/1; moderately soft.

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190-210	Sandy Clay (30%): greenish gray 5G 6/1; soft. Limestone (70%): pale greenish yellow 10Y 8/2; fossiliferous micrite; friable; high intergranular vuggy porosity; trace of phosphate.
210-230	Clay: light olive gray 5Y 5/2; moderately hard.
230-240	Marl (70%): very light gray N8; soft; abundant very fine phosphate particles. Clay (30%): light olive gray 5Y 5/2; moderately hard.
240-250	Marl (80%): very light gray N8; soft; abundant very fine phosphate. Clay (15%): pale olive 10Y 6/2; soft. Limestone (5%): very light gray N8; biomicrite; vuggy; very friable.
250-260	Clay (90%): mottled greenish gray 5GY 6/1 and dark greenish gray 5GY 4/1; moderately hard. Limestone (10%): very light gray N8; vuggy; friable.
260-270	Limestone (70%): very light gray N8; biomicrite; vuggy; friable. Clay (20%): pale olive 10Y 6/2; soft. Marl (10%): very light gray N8; soft; abundant very fine phosphate.
270-300	Clay (70%): mottled greenish gray 5GY 6/1 and dark greenish gray 5GY 4/1; moderately hard. Marl (20%): very light gray N8; moderately soft; abundant very fine phosphate. Limestone (10%): very light gray N8; micrite.
300-310	Marl (85%): very light gray N8; soft; abundant very fine phosphate. Limestone (15%): very light gray N8; micrite; vuggy.
310-320	Clay (80%): mottled greenish gray 5GY 6/1 and dark greenish gray 5GY 4/1; moderately hard. Marl (10%): very light gray N8; soft; abundant very fine phosphate. Limestone (10%): very light gray N8; micrite; vuggy.

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*Depth (feet)	Lithologic Description
320-350	Marl (80%): very light gray N8; very soft; abundant very fine phosphate. Limestone (10%): white N9 to very light gray N8; friable; high apparent porosity; vuggy; very soft; abundant very fine phosphate particles. Clay (10%): light greenish gray; soft.
350-380	Limestone (60%): very light gray N8; micrite; vuggy; high apparent porosity. Marl (30%): light greenish gray: trace of phosphate; soft. Clay (10%): greenish gray 5GY 6/1 and dark greenish gray 5GY 4/1; silty.
380-410	Limestone (60%): white N9 to very light gray N8; friable; high apparent porosity; vuggy; very soft; abundant very fine phosphate particles. Marl (20%): yellowish gray 5Y 8/1; very soft; abundant fine phosphate particles. Clay (20%): greenish gray 5GY 6/1 and dark greenish gray 5GY 4/1; soft; silty.
410-440	Limestone (60%): white N9 to very light gray N8; friable; vuggy; very soft; abundant very fine phosphate particles. Marl (40%): light gray N7 and yellowish gray 5Y 8/1; soft; abundant very fine phosphate particles.
440-460	Limestone (70%): white N9 to very light gray N8; micrite; soft to moderately soft; moderate apparent porosity; trace of fine phosphate particles. Marl (30%): light gray N7 and yellowish gray 5Y 8/1; soft; trace of fine phosphate particles.
460-470	Limestone (80%): light olive gray 5Y 5/2; hard; moderately low apparent porosity. Marl (20%): light olive gray 5Y 5/2; very soft.
470-500	Limestone (90%): very light gray N8 and yellowish gray 5Y 8/1; fossiliferous micrite; hard; low apparent porosity; trace of inbedded fine phosphate. Marl (5%): yellowish gray 5Y 8/1; moderately hard. Clay (5%): pale olive 10Y 6/2; moderately hard.

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500-510	Limestone: yellowish gray 5Y 8/1: fossiliferous micrite; friable; high porosity; trace of phosphate.
510-560	Limestone; very light gray N8; biomicrite; moderately soft; high apparent porosity; trace of fossil fragments.
560-570	Limestone (80%): light gray N8 and yellowish gray 5Y 8/1; micrite; moderately friable; high apparent porosity; trace of phosphate. Dolomite (20%): medium light gray N6; very hard; crystalline.
570-580	Clay: very light gray N8 to yellowish gray 5Y 8/1; very soft; trace of silt.
580-590	Clay: mottled light gray N7 and very light gray N8; soft; trace of silt.
590-600	Limestone: very pale orange 10YR 8/2; micrite; high apparent porosity; friable.
600-610	Limestone: white N9; moldic; very high porosity; very friable.
610-630	Limestone: white N9 and yellowish gray 5Y 8/1; moldic; very high porosity; very friable.
630-650	Limestone: yellowish gray 5Y 8/1; moldic; very high porosity; very friable.
650-690	Limestone: yellowish gray 5Y 8/1 and very light gray N8; moldic with some micritic texture; very high porosity; very friable.
690-700	Clay (90%): yellowish gray 5Y 7/2; moderately soft; sandy. Limestone (10%): yellowish gray 5Y 8/1; micrite; very high porosity; very friable.

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