

W2-C SW WELL FIELD PRODUCTION WELL SYSTEM

WELL #226

*Depth (feet)

Lithologic Description

0-10	Limestone: dark yellowish orange 10YR 6/6 and yellowish gray 5Y 8/1; whole bi-valve shells; ~ ½ inch shell fragments.
10-20	Limestone: medium gray N5; weathered and porous.
20-40	Clay: greenish gray 5 GY 6/1 and dark greenish gray 5GY 4/1; clean (low silt content); medium soft.
40-80	Clay: grayish olive 10Y 4/2; soft; trace of silt.
80-100	Sandy Clay (50%); light olive gray 5Y 5/2; soft. Limestone, shell fragments and phosphate (50%); yellowish gray 5Y 7/2; moderate porosity.
100-120	Limestone: medium light gray N6; fossiliferous micrite with shell fragments and sandy clay; poorly consolidated; high porosity.
120-150	Limestone: very light gray N8 and yellowish gray 5Y 7/2; fossiliferous micrite; moderately vuggy intergranular porosity; trace fine phosphate.
150-160	Limestone (70%): yellowish gray 5Y 7/2; fossiliferous micrite. Clay (30%): yellowish gray 5Y 7/2; soft.
160-180	Limestone: light olive gray 5Y 5/2; moderate apparent porosity; trace of chrinoid stems.
180-190	Silty Clay (60%): pale olive 10Y 6/2; soft. Limestone (40%): very light gray N8; friable; trace of phosphate.
190-200	Silty Clay: light olive gray 5Y 5/2 and grayish olive 10Y 4/2; moderately soft; trace of limestone.
200-230	Sandy Clay: yellowish gray 5Y 7/2; moderately soft; medium limestone sand.
230-250	Limestone: white N9; friable; abundant small vugs; high apparent porosity.

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250-260	Sandy Clay: yellowish gray 5Y 7/2; moderately soft; medium limestone sand.
260-310	Silty Clay: greenish gray 5GY 6/1; moderately soft.
310-320	Limestone (60%): yellowish gray 5Y 7/2 to greenish gray 5GY 6/1; fossiliferous micrite; moderate porosity. Silty Clay (40%): greenish gray 5GY 6/1; moderately soft.
320-350	Limestone: yellowish gray 5Y 8/1, light gray N7 and very light gray N8; fossiliferous micrite; high porosity; friable; trace of dolomite; trace of phosphate.
350-360	Limestone: medium light gray N6; fossiliferous micrite; moderate porosity; trace of dolomite; trace of phosphate.
360-400	Limestone: yellowish gray 5Y 8/1; micrite; high porosity; ~5% dolomite; trace of phosphate.
400-410	Limestone (70%): yellowish gray 5Y 8/1; micrite; high to moderate porosity. Marl (30%): light gray N7; soft.
410-460	Marl (60%): very light gray N8; soft to moderately soft. Limestone (40%): very light gray N8; micrite; moderate to moderately low porosity.
460-490	Limestone (70%): very light gray N8 to white N9; fossiliferous micrite; moderate porosity; moderately friable. Marl (30%): very light gray N8; soft; fine phosphate suspended in the marl matrix.
490-500	Limestone (80%): very light gray N8 to white N9; fossiliferous micrite; moderate to high porosity. Marl (20%): very light gray N8; soft; fine phosphate suspended in the marl matrix.
500-530	Limestone: yellowish gray 5Y 8/1; micrite and biomicrite; high porosity; very hard; vuggy; biomicrite is in a phosphatic matrix.

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530-550	Limestone (70%): yellowish gray 5Y 8/1; micrite and biomicrite; high porosity; very hard; vuggy; biomicrite is in a phosphatic matrix. Marl (30%): very light gray N8; soft; silty.
550-570	Marl: very light gray N8; soft; silty.
570-575	Clay: medium bluish gray 5B 5/1; moderately soft to soft; trace of phosphate flakes.
575-590	Limestone: very pale orange 10 YR 8/2; biomicrite; very hard; moderately low porosity.
590-600	Marl: white N9 to very light gray N8; soft; silty.
600-670	Limestone: yellowish gray 5Y 8/1; biomicrite; high porosity; moderately hard; trace of phosphate.
670-710	Marl (60%): very light gray N8 to yellowish gray 5Y 8/1; moderately soft. Limestone (40%): very light gray N8 to yellowish gray 5Y 8/1; micrite; moderately vuggy; moderately high porosity.
710-715	Limestone: very light gray N8 to yellowish gray 5Y 8/1; micrite; moderately vuggy; moderately high porosity.

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