W-2C SW WELL FIELD PRODUCTION WELL SYSTEM

WELL 229

*Depth (feet)	Lithologic Description
0-10	Limestone (50%): white N9; cap rock. Sand (50%): dark yellowish orange 10YR 6/6; fine grained; medium well sorted.
10-20	Sand: pale yellowish brown 10YR 6/6; canal fill; well rounded; calcite rich; trace of phosphate.
20-30	Shell Fragments (50%): medium light gray N6; predominately bivalves; unconsolidated. Sandstone (50%): light olive brown 5Y 5/6; moderately hard; low to medium porosity.
30-40	Silty Clay: dark greenish gray 5G 4/1; soft.
40-70	Silty Clay: dark greenish gray 5G 4/1 to pale olive 10Y 6/2; soft; trace of fossils.
70-100	Silty Clay: dark greenish gray 5G 4/1; soft.
100-120	Clay (50%): dark greenish gray 5G 4/1 to pale olive 10Y 6/2; moderately stiff; trace of fossils; trace of silt. Limestone (50%): light olive gray 5Y 7/2; biomicrite; moderately hard; vuggy; embedded fine grained phosphate; high apparent porosity.
120-130	Limestone (70%): light olive gray 5Y 7/2; biomicrite; moderately hard; vuggy; embedded fine grained phosphate; high apparent porosity. Shell Fragments (30%): white N9 to light gray N7; bivalves and mollusks.
130-150	Limestone (50%): light olive gray 5Y 7/2; biomicrite; moderately hard; vuggy; embedded fine grained phosphate; high apparent porosity. Shell Fragments (50%): white N9 to light gray N7; bivalves and mollusks.
150-160	Limestone (60%): light olive gray 5Y 7/2 and light gray N7; biomicrite; moderately hard; vuggy; embedded fine grained phosphate; high apparent porosity. Silty Clay (20%): grayish olive 10Y 4/2; moderately stiff. Shell Fragments (20%): white N9 to light gray N7; bivalves and mollusks.

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

W-2C SW WELL FIELD PRODUCTION WELL SYSTEM

WELL 229

*Depth (feet)	Lithologic Description
160-190	Limestone (50%): light olive gray 5Y 7/2 and light gray N7; biomicrite; moderately hard; vuggy; embedded fine grained phosphate; high apparent porosity. Silty Clay (50%): grayish olive 10Y 4/2; moderately stiff; trace of bivalves.
190-210	Clay (80%): greenish gray 5GY 6/1; soft;. Limestone (20%): yellowish gray 5Y 7/2; micrite; hard; vuggy.
210-220	Clay: light greenish gray 5GY 8/1; very soft; abundant very fine phosphate particles.
220-240	Limestone (60%): yellowish gray 5Y 8/1; micrite; moderately hard; trace of unconsolidated shell fragments. Marl (40%): very light gray N8; soft; abundant very fine embedded phosphate particles.
240-250	Limestone: yellowish gray 5Y 8/1; soft; high apparent porosity; trace of shell fragments.
250-260	Limestone: very light gray N8; biomicrite; moderately soft; embedded very fine phosphate particles; trace of bivalves and bivalve particles.
260-270	Limestone (50%): very light gray N8; biomicrite; moderately soft; embedded very fine phosphate particles. Marl(50%): very light gray N8 to pale greenish yellow 10Y 8/2; very soft; abundant very fine grained phosphate particles.
270-300	Marl: very light gray N8 to pale greenish yellow 10Y 8/2; very soft; abundant very fine grained phosphate particles.
300-310	Limestone (50%): very light gray N8; biomicrite; moderately soft; embedded very fine phosphate particles; trace of bivalves. Marl(50%): very light gray N8 to pale greenish yellow 10Y 8/2; very soft; abundant very fine grained phosphate particles.
310-320	Clay/Marl: very light gray N8 to medium bluish gray 5B 5/1; very soft; trace of very fine grained phosphate particles.
320-340	Limestone (50%): yellowish gray 5Y 7/2; micrite; moderately soft; embedded very fine phosphate particles; trace of bivalves. Marl(50%): very light gray N8 to pale greenish yellow 10Y 8/2; very soft; abundant very fine grained phosphate particles.

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

W-2C SW WELL FIELD PRODUCTION WELL SYSTEM

WELL 229

*Depth (feet)	Lithologic Description
340-350	Clay: pale olive 10Y 6/2; moderately stiff; trace of limestone.
350-370	Limestone (70%): white N9; fossiliferous micrite; moderately hard; vuggy; high apparent porosity. Clay (30%): pale olive 10Y 6/2; moderately stiff; trace of limestone.
370-400	Limestone: white N9; fossiliferous micrite; moderately hard; vuggy; high apparent porosity.
400-420	Limestone (60%): white N9 to very light gray N8; fossiliferous micrite; moderately hard; vuggy; moderate apparent porosity. Marl (40%): white N9; soft; embedded very fine phosphate particles.
420-440	Limestone: yellowish gray 5Y 8/1 to light gray N7; biomicrite; moderately soft; vuggy; high apparent porosity.
440-450	Limestone (50%): yellowish gray 5Y 8/1; micrite; moderately hard; vuggy. Silty Clay (50%): grayish orange pink 5YR 7/2; moderately soft.
450-460	Limestone (50%): yellowish gray 5Y 8/1; micrite; moderately hard; vuggy. Silty Clay (25%): grayish orange pink 5YR 7/2; moderately soft. Marl (50%): yellowish gray 5Y 8/1; soft.
460-470	Limestone (50%): yellowish gray 5Y 8/1; micrite; moderately soft; moderate apparent porosity. Marl (50%): yellowish gray 5Y 8/1; soft.
470-480	Limestone (75%): yellowish gray 5Y 8/1; micrite; moderately soft; moderate apparent porosity. Marl (25%): yellowish gray 5Y 8/1; soft.
480-500	Limestone: white N9; moderately hard; micrite; vuggy; high apparent porosity; trace of marl; trace of phosphate.
500-510	Limestone: white N9; moderately hard; fossiliferous micrite; moderate apparent porosity; vuggy; trace of dolomite.
510-520	Limestone: very light gray N8: moderately hard; fossiliferous micrite; vuggy; high apparent porosity.

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

W-2C SW WELL FIELD PRODUCTION WELL SYSTEM

WELL 229

*Depth (feet)	Lithologic Description
520-530	Limestone: very pale orange 10YR 8/2; biomicrite and biosparite; moderate amount of very fine embedded phosphate particles; trace of marl.
530-560	Limestone: very light gray N8 and very pale orange 10YR 8/2; biomicrite and biosparite; high amount of very fine embedded phosphate particles; very hard; vuggy; high apparent porosity.
560-610	Limestone: very light gray N8 and very pale orange 10YR 8/2; fossiliferous micrite; soft; vuggy; high apparent porosity.
610-620	Dolomite: light olive gray 5Y 5/2; finely crystalline; moderately soft; poor apparent porosity.
620-630	Limestone (70%): very light gray N8 and very pale orange 10YR 8/2; vuggy; moderate apparent porosity; vuggy. Clay (30%): very light gray; silty; medium soft.
630-640	Clay: very light gray N8; silty; medium soft.
640-650	Clay: yellowish gray 5GY 8/1; silty; medium soft.
650-660	Clay (60%): very light gray N8; silty; medium soft. Limestone (40%): very light gray N8 and very pale orange 10YR 8/2; vuggy; moderate apparent porosity; vuggy.
660-670	Limestone (90%): very light gray N8 and yellowish gray 5GY 8/1; micrite; soft; vuggy; high apparent porosity. Marl (10%): very light gray; silty; medium soft.
670-680	Limestone: yellowish gray 5GY 8/1; fossiliferous micrite; vuggy; moderately soft; partial bivalve fossils; high apparent porosity.
680-712	Limestone: yellowish gray 5GY 8/1 and very light gray N8; biomicrite; soft; vuggy; high apparent porosity.

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