



WELL DIMENSIONS	PRODUCTION WELL NO:			
	15	16	17	18
Bottom of Surface Casing	25'	35'	34'	36'
Bottom of Outer Casing	110'	130'	132'	120'
Top of Riser	83'	98'	100'	91'
Top of Gravel Pack	102'	121'	110'	101'
Top of Screen/ Base of Riser	114'	130'	134'	121'
Bottom of Screen	165'	165'	165'	157'
Bottom of Drilled Hole	185'	165'	165'	177'

All depths in feet below grade.

PREPARED FOR  
**TOWN OF JUPITER**

TITLE  
**WELL CONSTRUCTION DIMENSIONS  
PRODUCTION WELLS 15, 16,  
17, AND 18  
JUPITER WATER SYSTEM**

COMPILED BY  
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DATE  
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REVISOR  
REVISED

DRAWN BY  
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CHECKED BY  
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SCALE  
None

FIGURE 2

NOT TO SCALE

PB99

GEOLOGIC LOG OF  
PRODUCTION WELL 17  
JUPITER WATER PLANT

<u>Sample Description</u>	<u>Depth Interval (feet)</u>	<u>Thickness (feet)</u>
ORGANICS AND SAND - Sand, 80%, quartz, dusky brown to clear, medium- to coarse-grained, sub-angular to sub-rounded; Limestone, 20%, grayish olive, fine-grained, moderately hard, good porosity, homogenous.	0- 10	10
SAND WITH LIMESTONE (interbedded) - Sand, 60%, quartz, dusky brown to clear, fine- to coarse-grained, sub-angular to sub-rounded; Limestone, 40%, grayish olive, fine-grained, moderately hard, good porosity, homogeneous; Shell, Fragments, trace, white to tan, small fragments.	10- 20	10
SAND WITH LIMESTONE (interbedded) - Sand, 60%, quartz, phosphatic, fine- to coarse-grained, sub-angular to sub-rounded; Limestone, 40%, grayish olive, fine-grained, moderately hard, good porosity, homogeneous; Shell Fragments, trace, white to tan, small fragments.	20- 30	10
SANDY SHELL - Shell Fragments, 60%, white, tan, gray, very small fragments; Sand, 40%, quartz, phosphatic, light olive gray to clear, very fine-grained, sub-angular to sub-rounded; Organics, trace.	30-80	50
SANDY SHELL + LIMESTONE - Shell Fragments, 50%, white, tan, gray, small to medium fragments; Limestone, 20%, light olive gray, fine-grained, moderately hard, good porosity; Limestone, 20%, yellowish gray, soft to moderately soft, cryptocrystalline, extremely porous; Sand, 10%, quartz, phosphatic, light olive gray to clear and frosted, very fine-grained, sub-angular to sub-rounded; Organics, trace.	80-85	5

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Geologic Log of  
 Production Well 17  
 Jupiter Water Plant

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<u>Sample Description</u>	<u>Depth Interval (feet)</u>	<u>Thickness (feet)</u>
SHELLY SAND WITH LIMESTONE (interbedded) - Shell Fragments, 60%, white, tan, gray, small to medium sized fragments; Sand, 20%, quartz, phosphatic, light olive gray, very fine-grained, sub-angular to sub-rounded; Limestone, 20%, yellowish gray, soft to moderately soft, crypto- crystalline, very porous.	85-90	5
SHELLY SAND WITH LIMESTONE (interbedded) - Shell Fragments, 40%, white, tan, beige, small to medium fragments; Sand, 40%, light olive gray, fine- to medium- grained, sub-angular to sub-rounded; Limestone, 25%, light olive gray, moderately hard, good porosity; Organics, trace.	90-100	10
LIMESTONE + SHELLY SAND - Limestone, 60%, dark olive gray, fine-grained, moderately hard, microcrystalline, very porous; Shell Fragments, 30%, tan, white, gray, medium to large fragments; Sand, 10%, quartz, phosphatic, light olive gray, fine- to medium-grained, sub-angular to sub-rounded; Organics, trace (roots).	100-105	5
LIMESTONE AND SANDY SHELL - Limestone, 40%, pale brown, moderately fine-grained, hard, good porosity; Shell Fragments, 30%, gray, white, tan, medium to large fragments; Sand, 20%, quartz, phosphatic, fine- to medium-grained, sub-angular to sub-rounded; Limestone, 10%, light olive gray, fine- to medium-grained, moderately hard, good porosity.	105-110	5
LIMESTONE + SANDY SHELL - Limestone, 65%, pale brown, moderately fine-grained, hard, good porosity; Shell Fragments, 25%, white, tan, gray, small to medium fragments; Sand, 10%, quartz, phosphatic, light olive gray, fine- to medium-grained, sub-angular to sub-rounded.	110-125	15

Geraghty & Miller, Inc.  
 Geologic Log of  
 Production Well 17  
 Jupiter Water Plant

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<u>Sample Description</u>	<u>Depth Interval (feet)</u>	<u>Thickness (feet)</u>
SANDY CLAYEY SHELL - Shell, 65%, white, tan, gray, small to medium sized fragments; Clay, 25%, moderate brown, plastic, silty; Sand, 10%, quartz, phosphatic, pale yellowish brown, fine- to medium-grained, sub-angular to sub-rounded.	125-130	5
SANDSTONE AND SHELL - Sandstone, 50%, quartz, pale yellowish brown, fine- to medium-grained, poorly cemented, moderately soft; sub-angular to sub-rounded; Shell, 35%, white, tan, gray, small to large fragments; Sand, 15%, quartz, phosphatic, light olive gray, fine- to medium-grained, sub-angular to sub-rounded.	130-135	5
SANDY SHELL - Shell 75%, white, tan, gray, fine- to medium-fragments and whole shells; Sand, 25%, quartz, phosphatic; light olive gray, very fine-grained, sub-angular to sub-rounded.	135-140	5
SHELLY SANDSTONE - Sandstone, 70%, quartz, pale yellowish brown, fine- to medium-grained, poorly cemented; Shell, 30%, tan, white, gray, small to medium fragments and whole shells.	140-165	25+
TOTAL DEPTH:	165	