



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  
July 1982

REVISOR  
REVISED

DRAWN BY  
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CHECKED BY  
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SCALE  
None

FIGURE 2

PB99

NOT TO SCALE

GEOLOGIC LOG OF  
PRODUCTION WELL 15  
JUPITER WATER PLANT

<u>Sample Description</u>	<u>Depth Interval (feet)</u>	<u>Thickness (feet)</u>
SHELLY SAND - Sand, 75%, quartz, moderate brown, fine- to coarse-grained, sub-angular to sub-rounded; Shell and Shell Fragments, 25%, small to large size.	0- 5	5
SHELL FRAGMENTS - Shell Fragments, 85%, white to tan, fine to medium fragments; Sand, 15%, quartz, light olive gray, fine- to medium-grained, sub-angular.	5- 10	5
SANDY SHELL - Shell Fragments and Whole Shells, 75%, beige to tan, medium to large fragments; Sand, 25%, quartz, brownish gray, fine- to coarse-grained, sub-angular to sub-rounded.	10- 20	10
SHELLY, CLAYEY SAND - Sand, 45%, quartz, light olive gray, fine- to medium-grained, sub-angular; Clay, 30%, light olive gray; Shells and Shell Fragments, 25%, white to light tan, fine to medium fragments.	20- 25	5
SANDY SHELL - Shell Fragments, 60%, white, tan, mostly small, some medium, a few large fragments; Sand, 40%, quartz, light brownish gray, fine- to medium-grained, sub-angular.	25- 30	5
CLAY WITH SHELLY SAND - Clay, 40%, light olive gray; Sand, 40%, quartz, light olive gray, fine- to coarse-grained, sub-angular to sub-rounded; Shell, 20%, halves and fragments, beige to white, medium to large fragments, a few small fragments.	30- 35	5
SHELL WITH LIMESTONE - Shell Fragments, 60%, white to tan to gray, small to medium fragments; Limestone, 40%, light olive gray, finely crystalline, granular, soft to moderately soft, moderate porosity.	35- 40	5

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Geologic Log of  
Production Well 15  
Jupiter Water Plant

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<u>Sample Description</u>	<u>Depth Interval (feet)</u>	<u>Thickness (feet)</u>
SANDY SHELL + LIMESTONE - Shell Fragments, 60%, white to tan, small to medium fragments; Limestone, 30%, light olive gray, finely crystalline, granular, soft to moderate soft, moderate porosity; Sand, 10%, quartz, light olive gray, fine- to medium-grained, sub-angular; Organics, trace.	40- 65	25
SANDY SHELL + LIMESTONE - Shell Fragments, 60%, white to tan and gray, small to medium fragments; Limestone, 30%, light olive gray, finely crystalline, granular, soft to moderately soft, moderate porosity indurated; Sand, 10%, quartz, light olive gray, fine- to medium-grained, sub-angular; Organics, trace.	65- 85	20
SANDY SHELL + LIMESTONE - Shell Fragments, 50%, white to tan to gray, small to medium fragments; Limestone, 20%, olive gray, well cemented, detrital, crystalline, moderately hard, good porosity, indurated; Limestone, 15%, light olive gray, finely crystalline, granular, soft to moderately soft, moderate porosity; Sand, 15%, quartz, light olive gray, fine- to medium-grained, sub-angular; Organics, trace, chert nodules.	85- 90	5
SANDY SHELL WITH LIMESTONE - Shell Fragments, 50%, white to tan to gray, small fragments, a few medium; Limestone, 20%, olive gray, well cemented, detrital, indurated, crystalline, moderately hard to hard, good porosity; Limestone, 20%, yellowish gray, hard, micro-crystalline, very good porosity; Sand, 10%, quartz, light olive gray, fine- to medium-grained, sub-angular; Organics, trace, chert nodules.	90- 95	5

<u>Sample Description</u>	<u>Depth Interval (feet)</u>	<u>Thickness (feet)</u>
SANDY SHELL + LIMESTONE - Shell Fragments, 40%, white, tan, gray, small to large fragments; Limestone, 30%, olive gray, well cemented, detrital, crystalline, hard, very good porosity, induration; Limestone, 25%, yellowish gray, microcrystalline, very hard, very good porosity, crystal development on some faces; Sand, 5%, quartz, light olive gray, fine- to medium-grained, sub-angular; Organics, trace, chert nodules.	95-100	5
SANDY SHELL + LIMESTONE - Shell Fragments, 60%, white to tan to gray, small and a few medium fragments; Limestone, 20%, yellowish gray and light gray mottled, microcrystalline, hard, good porosity, crystal development on some faces; Sand, 10%, quartz, light olive gray, fine- to medium-grained, sub-angular; Limestone, 5%, olive gray, well cemented, detrital, crystalline, hard, good porosity, indurated.	100-105	5
SANDY SHELL + LIMESTONE - Shell Fragments, 65%, white to tan to gray, small to large fragments; Limestone, 25%, yellowish gray and light gray mottled, microcrystalline, hard, good porosity, crystal development on some faces; Sand, 10%, quartz, light olive gray, fine- to medium-grained, sub-angular; Organics, trace.	105-120	15
LIMESTONE + SANDY SHELL - Limestone, 60%, yellowish gray, moderately hard, finely crystalline, granular, good porosity, crystals on some faces; Shell Fragments, 25%, white, tan, gray, small to medium fragments; Sand, 10%, quartz, light olive gray, fine- to medium-grained, sub-angular; Limestone, 5%, olive gray, well cemented, detrital, indurated, crystalline, hard, good porosity; Organics, trace.	120-125	5

## Geraghty &amp; Miller, Inc.

Geologic Log of  
 Production Well 15  
 Jupiter Water Plant

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<u>Sample Description</u>	<u>Depth Interval (feet)</u>	<u>Thickness (feet)</u>
LIMESTONE + SANDY SHELL - Limestone, 60%, yellowish gray, moderately hard, finely crystalline, granular texture, good porosity, crystals on some faces (drusy fabric); Shell Fragments and Whole Shells, 25%, white to tan to gray, large to small fragments; Sand, 10%, quartz, light olive gray, fine- to medium-grained, sub-angular; Chert Pebbles, 25%, olive gray, reworked; Organics, trace.	125-130	5
LIMESTONE + SANDY SHELL - Limestone, 45%, light olive gray to yellowish gray, mottled, finely crystalline, moderately hard, granular texture, good porosity, drusy fabric; Shell Fragments, 45%, white to tan to gray, small to medium fragments; Sand, 10%, quartz, light olive gray, fine- to medium-grained, sub-angular; Organics, trace.	130-140	10
SANDY SHELL + LIMESTONE - Shell Fragments, 30%, white to tan to gray, small to medium fragments; Limestone, 30%, yellowish gray and light olive gray mottled, finely crystalline, moderately hard, granular texture, good porosity, drusy fabric; Limestone, 25%, olive gray, well cemented, detrital, indurated, crystalline, hard, good porosity; Sand, 15%, quartz, light olive gray, fine- to medium-grained, sub-angular; Organics, trace.	140-145	5
LIMESTONE - Limestone, 70%, olive gray and light olive gray mottled, finely crystalline, moderately hard, granular texture, good porosity; Limestone 15%, yellowish gray, finely crystalline, moderately hard, granular texture, good porosity; Shell Fragments, 10%, white, tan, gray, small fragments; Sand, 5%, quartz, light olive gray, fine- to coarse-grained, sub-angular.	145-150	5

<u>Sample Description</u>	<u>Depth Interval (feet)</u>	<u>Thickness (feet)</u>
LIMESTONE + SANDY SHELL - Limestone, 35%, olive gray and light olive gray mottled, finely crystalline, moderately hard, granular texture, good porosity; Limestone, 35%, light olive gray and yellowish gray mottled, finely crystalline, moderately hard, granular texture, good porosity; Shell Fragments, 20%, white, tan, gray, small to medium fragments; Sand, 10%, quartz, light olive gray, fine- to coarse-grained, sub-angular to sub-rounded; Organics, trace.	150-160	10
SANDY SHELL + LIMESTONE - Shell Fragments, 50%, white, tan to gray, small to medium fragments; Limestone, 30%, light olive gray and olive gray mottled, finely crystalline, moderately hard, granular texture, good porosity; Limestone, 20%, yellowish gray and light olive gray mottled, finely crystalline, moderately hard, granular texture, good porosity; Sand, 10%, quartz, light olive gray, fine- to coarse-grained, sub-angular to sub-rounded.	160-161	1
LIMESTONE + SHELLY SAND - Limestone, 50%, light olive gray, olive gray, yellowish gray, mottled, finely crystalline, moderately hard, granular texture, good porosity; Shell Fragments, 30%, white, tan, gray, small to medium fragments; Sand, 10%, quartz, light olive gray, fine- to coarse-grained, sub-angular; Limestone, 10%, light olive gray, crypto-crystalline, moderately soft to hard, moderate porosity.	161-165	4

<u>Sample Description</u>	<u>Depth Interval (feet)</u>	<u>Thickness (feet)</u>
LIMESTONE + SHELLY SAND - Limestone, 60%, light olive gray, olive gray, yellowish gray mottled, crystalline, moderately hard, shells in limestone, granular texture, good porosity; Shell Fragments, 30%, white to tan, gray, small to medium fragments; Sand, 10%, quartz, light olive gray, fine- to coarse-grained, sub-angular.	165-175	10
SHELLY SAND + LIMESTONE - Shell Fragments, 45%, white to tan to gray, small to medium fragments; Limestone, 45%, light olive gray, olive gray, yellowish gray mottled, crystalline, moderately hard, granular texture, good porosity; Sand, 10%, quartz, light olive gray, fine- to coarse-grained, sub-angular to sub-rounded.	175-185	10+
TOTAL DEPTH:	185	