



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

DRAWN BY
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REVISIONS
REVISED

CHECKED BY
T.L. Teasler

SCALE
None

FIGURE 2

PB99

NOT TO SCALE

GEOLOGIC LOG OF
PRODUCTION WELL 16
JUPITER WATER PLANT

<u>Sample Description</u>	<u>Depth Interval (feet)</u>	<u>Thickness (feet)</u>
SAND - Sand, 100%, quartz, yellowish brown to clear, fine- to coarse-grained, sub-angular to sub-rounded.	0- 5	5
SAND WITH LIMESTONE (interbedded) - Sand, 60%, quartz, dusky yellowish brown to clear, fine- to coarse-grained, sub-angular to sub-rounded; Limestone, 25%, light olive gray, finely crystalline, high porosity, moderately soft; Organics, 15%.	5- 10	5
LIMESTONE + SILTY CLAY - Limestone, 50%, dark yellowish brown and light olive gray, finely crystalline, high porosity, moderately soft; Clay, 30%, light olive gray, silty, plastic, some phosphatic sand; Sand, 10%, quartz, light olive gray, fine-grained, sub-angular to sub-rounded, Phosphatic Sand, 10%, light olive gray and dark gray, fine-grained, sub-angular to sub-rounded.	10- 15	5
SHELLS + SAND - Shells, 60%, beige, whole and fragmented, medium to large; Sand, 40%, quartz, phosphatic, light olive gray, fine-grained, sub-angular to sub-rounded.	15- 25	10
CLAYEY SAND AND SHELL - Sand, 50%, quartz, phosphatic, light olive gray, fine-grained, sub-angular to sub-rounded, intermixed with Clay; Shells, 40%, beige, whole shells and medium-sized fragments; Clay, 10%, light olive gray and dusky yellowish brown, silty.	25- 30	5
SANDY CLAY AND SHELLS - Clay, 40%, light olive gray and dusky yellowish brown, silty; Sand, 20%, quartz, phosphatic, light olive gray, fine-grained, sub-angular to sub-rounded; Shells, 20%, beige, medium to small sized fragments; Organics, 20%.	30- 35	5

<u>Sample Description</u>	<u>Depth Interval (feet)</u>	<u>Thickness (feet)</u>
SHELLS - Shells, 90%, white, tan, gray, medium to small sized fragments; Sand, 5%, quartz, phosphatic, light olive gray, fine-grained, sub-angular to sub-rounded; Organics, 5%.	35- 50	15
SANDY SHELL WITH LIMESTONE - Shell, 75%, white, tan, gray, small to medium fragments; Sand, 10%, quartz, phosphatic, light olive gray, fine- to medium-grained, sub-angular to sub-rounded; Limestone, 10%, dark olive gray, finely crystalline, good porosity; Organics, 5%.	50- 60	10
SANDY SHELL - Shell, 85%, white, tan, gray, small to medium sized fragments; Sand, 10%, quartz, phosphatic, light olive gray, fine- to medium-grained, sub-angular to sub-rounded; Sandstone, 5%, quartz, phosphatic, dark to light olive gray, porous, fine-grained, grains sub-angular to sub-rounded.	60- 85	25
SANDY SHELL - Shell, 80%, white, tan, gray, medium and small sized fragments; Sand, 10%, quartz, phosphatic, light olive gray to black, fine- to coarse-grained, angular to sub-rounded; Sandstone, 5%, light olive gray to light gray, fine- to medium-grained, sub-angular to sub-rounded, poorly cemented; Clay, 5%, light olive gray, silty.	85- 90	5
SANDY SHELL - Shell, 80%, white, tan, gray, medium to small sized fragments; Sand, 15%, quartz, phosphatic, light olive gray to black, fine- to coarse-grained, angular to sub-rounded; Sandstone, 5%, light olive gray to light gray, fine- to medium-grained, sub-angular to sub-rounded.	90-100	10

Geraghty & Miller, Inc.
 Geologic Log of
 Production Well 16
 Jupiter Water Plant

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<u>Sample Description</u>	<u>Depth Interval (feet)</u>	<u>Thickness (feet)</u>
LIMESTONE AND SANDY SHELL (interbedded) - Limestone, 50%, light gray and very pale orange, finely crystalline, moderately hard, very porous; Shells, 35%, white, tan, gray, small to medium sized fragments, Sand, 10%, quartz, phosphatic, light olive gray, fine- to medium-grained, sub-angular to sub-rounded; Sandstone, 5%, light olive gray to light gray, fine- to medium-grained, sub-angular to sub-rounded.	100-105	5
LIMESTONE, SANDSTONE, AND SANDY SHELL - Limestone, 30%, very pale orange, finely crystalline, very porous, vugs in fabric, moderately hard; Sandstone, 30%, quartz, phosphatic, light olive gray, fine- to medium-grained, poorly cemented, sub-angular to sub-rounded grains; Shell, 20%, tan, white, gray, small to medium sized fragments; Sand, 20%, quartz, phosphatic, fine- to coarse-grained, angular to sub-rounded.	105-130	25
LIMESTONE, SANDSTONE, AND SHELLY SAND - Limestone, 50%, very pale orange, finely crystalline, moderately hard, porosity medium to good; Sandstone, 30%, quartz, phosphatic, light gray to light olive gray, fine- to medium-grained, sub-angular to sub-rounded; Shell, 10%, white, tan, gray, small fragments; Sand, 10%, quartz, phosphatic, light olive gray to black, fine- to coarse-grained, angular to sub-rounded.	130-155	25
SANDY CLAYEY SHELL, SANDSTONE, AND LIMESTONE (interbedded) - Shell, 40%, tan, gray, white, small fragments; Sand, 30%, quartz, phosphatic, light olive gray to black, fine- to coarse-grained, angular to sub-rounded; Sandstone, 10%, light olive gray, quartz, phosphatic, fine- to medium-grained, sub-angular to sub-rounded; Clay, 10%, light olive gray, silty; Limestone, 10%, very pale orange, finely crystalline, moderately hard, medium to good porosity.	155-165	10