

PRELIMINARY

FOR INFORMATION ONLY



WELL LOG				PROJECT	JOB NO	SHEET NO	WELL NO
SITE				FPL MARTIN CC/CG	19720	1 of 5	BTW-3 obs
COORDINATES				LOGGED BY			
N 995503.06 E 643713.36				Robert Blodnikar			
BEGIN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	CASING DIAMETER/LENGTH	TOTAL DEPTH	
3/27/87	3/27/87	Drilling Services, Inc. David Spencer	Mobil B-40L	5 3/4"	2-IN / 166.6'	170.0'	
SCREEN DIAMETER/LENGTH/SLOT				EL TOP OF CASING	GROUND EL	DEPTH/EL GROUND WATER	
2-IN / 50 FT TOTAL / 0.040"				33.54	31.72	SHALLOW	
ELEVATION	DEPTH	THICKNESS	SAMPLE	DESCRIPTION AND CLASSIFICATION			NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC
	0			0.0 - 5.0 ft. Tan, fine-medium, SAND, most fine, subrounded-rounded, quartz; little fines, silty; trace shells; trace organics.			<p>Start drilling at 0830 hrs. using 5-3/4" dia. tricone bit. Drilling fluid Baroid Quik-Jel and water from cooling pond. Samples obtained from returns at 5' intervals. Desander run periodically to remove cuttings from drilling fluid.</p> <p>0 - 30' Smooth easy drilling.</p>
	5			5.0 - 10.0 ft. Dark brown, fine-medium, SAND, most fine, subrounded-rounded; trace medium shell; trace organics.			
	10			10.0 - 15.0 ft. Dark tan, fine-medium, SAND, most fine, subrounded-rounded; little fines, silty; trace organics.			
	15			15.0 - 20.0 ft. Dark tan, fine-medium, SAND, most fine, subrounded-rounded, quartz; little fines silty; trace organics.			
	20			20.0 - 25.0 ft. Tan, fine-medium, SAND, most fine, subangular-subrounded, quartz; trace organics.			
	25			25.0 - 30.0 ft. Light gray-tan, fine-medium, SAND, most fine, subrounded-rounded, quartz.			
	30			30.0 - 31.5 ft. Dark gray, hard, SANDY Limestone, sand fine-medium grained, rounded, calcareous matrix.			30 - 31.5' Rig chatters - hard drilling.
				31.5 - 35.0 ft. Tan and gray, SHELLS and SANDY Limestone, shells and shell fragments to 3/8", with some fine-medium sand; limestone, angular fragments to subrounded.			31.5 - 40' Scattered chatters.
SITE							WELL NO BTW-3 obs

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WELL LOG				PROJECT	JOB NO.	SHEET NO.	WELL NO.
				FPL MARTIN CC/CG	19720	2 OF 5	BTW-3 obs
ELEVATION	DEPTH	THICKNESS	SAMPLE	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC	
	35				35.0 - 40.0 ft. Tan and gray, SHELLS and SHELL FRAGMENTS, 1/8" to 3/8"; little angular sandy limestone fragments; trace sand, fine-medium.		
	40				40.0 - 45.0 ft. Tan and gray, SHELLS and SHELL FRAGMENTS, most 1/8" to 5/16"; few sandy limestone fragments, angular-subangular; little sand, fine-medium.		
	45				45.0 - 50.0 ft. Tan and gray, SHELLS and SHELL FRAGMENTS, most 3/16" to 3/8"; little sandy limestone fragments, angular-subangular; trace sand, fine-medium.		
	50				50.0 - 55.0 ft. Tan and gray, SHELLS and SHELL FRAGMENTS, most 3/8" to 3/4"; little sandy limestone fragments, angular-subangular; few sand, fine-medium, subrounded-rounded, clean.		
	55				55.0 - 60.0 ft. Tan and gray, SHELLS and SHELL FRAGMENTS, most 3/8" to 3/4"; few sandy limestone fragments, angular-subangular; few sand, fine-medium, quartz.		
	60				60.0 - 65.0 ft. Gray and tan, SHELLS and SHELL FRAGMENTS, most less than 1/8"; little sandy limestone fragments, subangular-subrounded; little sand, fine-medium; few fines, silty.		
	65				65.0 - 70.0 ft. Gray and tan, SHELLS and SHELL FRAGMENTS, most less than 1/8"; little sandy limestone fragments, subangular-subrounded; little sand, fine-medium, subrounded-rounded.		
	70				70.0 - 75.0 ft. Gray and tan, SHELLS and SHELL FRAGMENTS, most less than 1/8"; most fragments; little sandy limestone fragments, subrounded-rounded, sand sized to 1/8", little sand, fine-medium, subrounded-rounded few fines, silty.		
	75						
SITE						WELL NO BTW-3 obs	

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WELL LOG				PROJECT FPL MARTIN CC/CG	JOB NO 19720	SHEET NO 3 OF 5	WELL NO BTW-3 obs
ELEVATION	DEPTH	THICKNESS	SAMPLE GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC		
	75			75.0 - 80.0 ft. Gray and tan, SHELLS and SHELL FRAGMENTS, most less than 1/8"; little sandy limestone fragments, little sand, fine-medium, subrounded-rounded; little fines, silty.			
	80			80.0 - 85.0 ft. Gray and tan, SHELLS and SHELL FRAGMENTS, most less than 1/8"; few sandy limestone fragments, subrounded-rounded, few fines, silty; trace clay.			
	85			85.0 - 90.0 ft. Gray and tan, SHELLS and SHELL FRAGMENTS, sand sized to 1/8"; few sandy limestone fragments, subrounded-rounded; few fines, silty; trace clay.			
	90			90.0 - 95.0 ft. Gray and tan, SHELLS and SHELL FRAGMENTS, sand sized to 1/8", most sand sized; little sand, fine-medium; few limestone fragments, subrounded-rounded; few fines, silty.			
	95			95.0 - 100.0 ft. Same as 90.0 - 95.0 ft. with trace gray clay.			
	100			100.0 - 105.0 ft. Gray, fine-coarse, SAND, most fine-medium, subrounded-rounded; some shells and shell fragments, most sand size to 1/8"; little fines, silty.			
	105			105.0 - 110.0 ft. Gray and tan, SHELLS and SHELL FRAGMENTS, most sand sized to 1/8"; some sand, fine-medium, subangular-subrounded, most quartz; little fines, silty; trace clay.			
	110			110.0 - 115.0 ft. Gray and tan, SHELLS and SHELL FRAGMENTS, same as 105.0 - 110.0 ft.			
	115						
SITE					WELL NO BTW-3 obs		

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WELL LOG				PROJECT FPL MARTIN CC/CG	JOB NO 19720	SHEET NO 4 OF 5	WELL NO BTW-3 obs
ELEVATION	DEPTH	THICKNESS	SAMPLE GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC		
	115			115.0 - 120.0 ft. Gray and tan, SHELLS and SHELL FRAGMENTS , most sand sized to 1/8"; some sand, fine-coarse, most fine-medium; little fines, silty; phosphatic, milky, marly.			
	120			120.0 - 125.0 ft. Gray, fine-medium, SAND , subrounded-rounded, quartz and fine shell fragments; some shells and shell fragments, most sand sized; little fines, silty, calcareous, milky, very weak cementation.			
	125			TAMiami FORMATION			
				125.0 - 130.0 ft. Greenish-gray, fine-coarse, SAND , most fine-medium, subrounded-rounded, partially cemented in angular fragments, open structure; some shells and shell fragments, sand sized to 1/8"; little fines, milky, clayey, marly.			
	130			130.0 - 135.0 ft. Greenish-gray, fine-coarse, SAND , subangular-subrounded, partially cemented in angular fragments, weak cementing; some shells and shell fragments, sand sized to 1/8"; little fines, clayey, milky.			
	135			135.0 - 140.0 ft. Greenish-gray, fine-coarse, SAND , subangular-subrounded, partially cemented in angular fragments, weak cementing; some tan and gray shells and shell fragments, sand sized to 1/8"; little fines; clayey, milky, calcareous.			
	140			140.0 - 145.0 ft. Greenish-gray, fine-coarse, SAND , most fine-medium, partially cemented in angular fragments, weak calcareous cementing; some tan and gray, shells and shell fragments, most coarse sand size to 1/4"; little fines clayey, slightly phosphatic.			
	145			145.0 - 150.0 ft. Greenish-gray, fine-coarse, SAND , most fine-medium, partially cemented into angular fragments to 1/16", weak to moderate calcareous cementation; some tan and gray shells and shell fragments, partially cemented; little fines, clayey, milky.			
	150			150.0 - 155.0 ft. Greenish-gray, fine-coarse, SAND , most fine-medium, partially cemented into angular-subangular fragments to 1/8", weak calcareous cementation; some tan and gray shell fragments, partially cemented; little fines, clayey, milky.			
	155						
SITE					WELL NO BTW-3 obs		

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WELL LOG				PROJECT FPL MARTIN CC/CG	JOB NO. 19720	STREET NO. 5 OF 5	WELL NO. BTW-3 obs
ELEVATION	DEPTH	THICKNESS	SAMPLE GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC		
	155			155.0 - 160.0 ft. Greenish-gray, fine-coarse, SAND, partially cemented into angular-subangular fragments 1/8" to 3/16"; some tan and gray shell fragments, weakly cemented; few fines, clayey, milky.	165' Color change of drilling fluid to olive green - very soft.		
	160			160.0 - 165.0 ft. Greenish-gray, fine-coarse, SAND, subrounded-rounded, partially cemented into angular fragments 1/8" to 1/4"; some tan and gray shell fragments, weakly cemented; few fines, clayey, calcareous.			
	165			HAWTHORN GROUP 165.0 - 170.0 ft. T.D. Gray-green, fine-coarse, SAND, subrounded-rounded, partially cemented into angular fragments 1/8" to 1/4"; little green sandy clay, medium plastic; little tan shells, small.			
	170			Total depth of boring 170.0 ft. Boring geophysically logged on March 27, 1989. Two-in. dia. observation well installed on March 27. Well developed on March 28, 1989.	T. D. 170 feet at 1130 hrs. Circulate drilling fluid and condition hole for geophysical logging.		
DATE					WELL NO. BTW-3 obs		

OBSERVATION WELL

PROJECT

FP4L MARTIN CC/CG

WELL NO

BM-3
065

JOB NO.

19720

SITE

EAST OF LOONING POND
+ 510 BARLEY BARBER SWAMP RD.

COORDINATES

N 995503.06 E 643713.35

BEGUN

3/27/89

COMPLETED

3/28/89

PREPARED BY

ROBERT
BLODNIKOWICZ

REFERENCE POINT FOR MEASUREMENTS

TOP OF 2" DIA PVL RISER PIPE

GENERALIZED GEOLOGIC LOG

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