

ROMP 12 - Praire Creek

County: Desoto
 Basin: Peace River
 Latitude: 27 02 28
 Longitude: 81 44 32
 STR: NW 1/4 SW 1/4 S32 T39S R26E
 Elevation: 41 ft NGVD29

Core Hole SID: 769106
 WMIS Portfolio No: 98
 Corehole FGS No.: W-16578
 Date Completed: 04/22/1999
 Geologist: James M. Clayton

Lithostratigraphy

Unit	Top (ft bls)	Bottom (ft bls)	Thickness (ft)	Top (ft msl)	Bottom (ft msl)
Undifferentiated sand and clay	0	7	7	41	34
Caloosahatchee Formation	7	29.5	22.5	34	11.5
Tamiami Formation	29.5	99	69.5	11.5	-58
Hawthorn Group	99	719	620	-58	-678
Peace River Formation	99	274	175	-58	-233
Arcadia Formation	274	719	445	-233	-678
Nocatee Member	409	719	310	-368	-678
Suwannee Limestone	719	905	186	-678	-864
Ocala Limestone	905	1,190	285	-864	-1,149
Avon Park Formation	1,190	2,162		-1,149	-2,121

Hydrostratigraphy

Unit	Top (ft bls)	Bottom (ft bls)	Thickness (ft)	Top (ft msl)	Bottom (ft msl)
surficial aquifer	0	25	25	41	16
confining unit	25	57	32	16	-16
Hawthorn aquifer system (intermediate)	57	698	641	-16	-657
Peace River aquifer (zone 1)	57	106	49	-16	-65
confining unit	106	274	168	-65	-233
Upper Arcadia aquifer (zone 2)	274	406	132	-233	-365
confining unit	406	557	151	-365	-516
Lower Arcadia aquifer (zone 3)	557	698	141	-516	-657
confining unit	698	717	19	-657	-676
Upper Floridan aquifer	717	2,090	1,373	-676	-2049
Ocala low-permeability zone	905	1,110	205	-864	-1,069
Avon Park permeable zone	1,190	1,370	180	-1,149	-1,329
middle confining unit II	2,090	2,162		-2,049	-2,121

Permanent Wells: 7

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Name	Diameter (inches)	Casing Type	Casing Depth (ft bls)	Total Depth (ft bls)	Unit	Screen	SID	WCP
ROMP 12 SURF AQ MONITOR 1	4	PVC	2	5	surficial aquifer	Yes	24220	577064
ROMP 12 SURF AQ MONTOR 2	4	PVC	12	27	surficial aquifer	Yes	24222	577065.01
ROMP 12 PCRV AQ MONITOR	8	PVC	60	110	Peace River aquifer (zone 1)	Yes	24219	576367.01
ROMP 12 U ARCA AQ MONITOR	8	PVC	280	409	Upper Arcadia aquifer (zone 2)	No	24221	587495.01
ROMP 12 L ARCA AQ MONITOR	8	PVC	505	700	Lower Arcadia aquifer (zone 3)	Yes	24215	591213, 582979 (repair)
ROMP 12 U FLDN AQ MONITOR (SWNN)	8	PVC	720	905	Upper Floridan aquifer (SWNN)	No	24218	586025.01
ROMP 12 AVPK PZ MONITOR	6	PVC	1,100	1,373	Avon Park permeable zone	No	25209	585331.01

Temporary Wells: 5 (Many wells function as multi-purpose monitors through modifications and/or dual zone design)

Name	Diameter (inches)	Casing Type	Casing Depth (ft bls)	Total Depth (ft bls)	Unit	Screen	SID	WCP
ROMP 12 SURF AQ OB TEMP	2	PVC	8	15	surficial aquifer	Yes	769118	630154 (Plug)
ROMP 12 SURF AQ PRODUCTION TEMP	4	PVC	13	28	surficial aquifer	Yes	769117	582980.01
ROMP 12 PCRV AQ OB TEMP	2	PVC	60	110	Peace River aquifer (zone 1)	Yes	769108	588041, 630159 (Plug)
ROMP 12 U ARCA AQ OB TEMP	2	PVC	285	405	Upper Arcadia aquifer (zone 2)	Yes	769109	588041, 630159 (Plug)
ROMP 12 L ARCA AQ OB TEMP	2	PVC	505	700	Lower Arcadia aquifer (zone 3)	Yes	769111	587462, 630157 (Plug)
ROMP 12 U FLDN AQ OB TEMP (SWNN)	8	Steel	725	909	Upper Floridan aquifer (SWNN)	No	769107	588846, 630156 (Plug)
ROMP 12 COREHOLE	4	Steel	310	1,133	Upper Floridan aquifer	No	769106	484706
ROMP 12 AVPK PZ OB TEMP	3	PVC	1,091	1,390	Avon Park permeable zone	Yes	768054	588846, 630156 (Plug)
ROMP 12 EXPL BOREHOLE	12	Steel	1,100	2,162	middle confining unit II	No	781635	585331.01

Lithologic Sampling: Yes FGS Lithologic Log: Yes

Interval Top (ft bls)	Interval Bottom (ft bls)	Sample Type	Comments:
0	19	Hollow-stem auger	
19.5	1,133.5	Wire-line coring	
1,133.5	1,615	Drill cuttings	
1,615	2,142	Drill cuttings	exploratory

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2,142	2,157	Wire-line coring	exploratory
2,157	2,162	Drill cuttings	

Discrete Zone Testing: Yes

Interval		Test/Sample Type				Comments:
Top (ft bls)	Bottom (ft bls)	WL	WQ	Slug	Other	
	174		X			
	334		X			
	497		X			
	517		X			
	537		X			
	552		X			
	632		X			
	1,013.5		X			
	1,133.5		X			
	1,150		X			
	1,210		X			
	1,270		X			
	1,300	X	X			
	1,330		X			
	1,365		X			
	1,397	X	X			
	1,430		X			
	1,459		X			
	1,490		X			
	1,513		X			
	1,545		X			
	1,575		X			
	1,615	X	X			
	1,625				X	Water Temp.& Specific Conductivity

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Interval Top	Interval Bottom	Test/Sample Type				Comments:
		WL	WQ	Slug	Other	
	1,642		X			
	1,657	X				
	1,665		X			
	1,702	X				
	1,731		X			
	1,762	X				
	1,792				X	Water Temp.& Specific Conductivity
	1,815		X			
	1,821					
	1,841	X				
	1,852				X	Water Temp.& Specific Conductivity
	1,882		X			
	1,884				X	Water Temp.& Specific Conductivity
	1,915	X				
	1,946		X			
	1,977				X	Water Temp.& Specific Conductivity
	1,990	X				
	2,006				X	Water Temp.& Specific Conductivity
	2,038		X			
	2,069				X	Water Temp.& Specific Conductivity
	2,098	X				
	2,129		X			
	2,142	X	X			

Aquifer/Well Testing: Yes

Unit Tested	Test Type		Comments:
	APT	Specific Capacity	
surficial aquifer	X		
Peace River aquifer (zone 1)	X		
Upper Arcadia aquifer (zone 2)	X		

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Lower Arcadia aquifer (zone 3)	X	
Upper Floridan aquifer	X	Tested Suwannee portion of UFA only
Avon Park permeable zone	X	

Geophysical Logging: Yes

Name	Caliper	Gamma	Single Point Resistance	Normal Resistivity (16ft and 64ft)	Spontaneous Potential	Lateral	Fluid Resistivity	Specific Conductance	Induction	Temperature	Sonic	Flow	Optical Televiwer
ROMP 12 AVPK PZ MONITOR	X	X	X	X	X	X	X	X	X	X			
ROMP 12 AVPK PZ OB TEMP	X	X	X	X	X	X	X	X		X			
ROMP 12 U FLDN AQ MONITOR	X	X	X	X	X	X	X			X			
ROMP 12 U FLDN AQ (SWNN)/AVPK PZ OB T											X		