

ROMP 13 - Tippen Bay

County: Desoto
 Basin: Peace River
 Latitude: 27 04 17
 Longitude: 81 36 57
 STR: SW 1/4 NE 1/4 S21 T39S R27E
 Elevation: 60 ft NGVD29

Core Hole SID: 769200
 WMIS Portfolio No: 83
 Corehole FGS No.: W-17392
 Date Completed: 08/07/1997
 Geologist: Daniel C.H. Peterman & Stephanie M. Baldini
 Douglas Rappuhn

Lithostratigraphy

Unit	Top (ft bls)	Bottom (ft bls)	Thickness (ft)	Top (ft msl)	Bottom (ft msl)
Undifferentiated sand and clay	0	19	19	60	41
Hawthorn Group	19	704	685	41	-644
Peace River Formation	19	207.5	188.5	41	-147.5
Arcadia Formation	207.5	704	496.5	-147.5	-644
Nocatee Member	581	704	123	-521	-644
Suwannee Limestone	704	777	73	-644	-717
Ocala Limestone	777	1,054	277	-717	-994
Avon Park Formation	1,054	2,090		-994	-2030

Hydrostratigraphy

Unit	Top (ft bls)	Bottom (ft bls)	Thickness (ft)	Top (ft msl)	Bottom (ft msl)
surficial aquifer	0	19	19	60	41
confining unit	19	275	256	41	-215
Hawthorn aquifer system (intermediate)	275	581	306	-215	-521
Upper Arcadia aquifer (zone 2)	275	420	145	-215	-360
confining unit	420	505	85	-360	-445
Lower Arcadia aquifer (zone 3)	505	581	76	-445	-521
confining unit	581	704	123	-521	-644
Upper Floridan aquifer	704	2,050	1,346	-644	-1,990
Ocala low-permeability zone	777	1,054	277	-717	-994
Avon Park permeable zone	1,580	1,610	30	-1,520	-1,550
middle confining unit II	2,050	2,090		-1,990	-2,030

Permanent Wells: 5

Name	Diameter (inches)	Casing Type	Casing Depth (ft bls)	Total Depth (ft bls)	Unit	Screen	SID	WCP
ROMP 13 SURF AQ MONITOR	4	PVC	7.5	22.5	surficial aquifer	Yes	24194	548320
ROMP 13 U ARCA AQ MONITOR	8	PVC	282	417	Upper Arcadia aquifer (zone 2)	No	24193	573532

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ROMP 13 L ARCA AQ MONITOR	8	PVC	510	592	Lower Arcadia aquifer (zone 3)	No	24198	573530
ROMP 13 U FLDN AQ MONITOR (SWNN)	6	PVC	671	786	Upper Floridan aquifer (SWNN)	No	24195	573531; 606267 (mod)
ROMP 13 AVPK PZ MONITOR	6	PVC	1,550	1,600	Avon Park permeable zone	No	24196	577445

Temporary Wells: 3 (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 13 SURF AQ OB TEMP	4	PVC	5	24	surficial aquifer	Yes	24197	547026; 606269 (plug)
ROMP 13 U ARCA AQ OB TEMP	2	PVC	280	415	Upper Arcadia aquifer (zone 2)	Yes	769201	606273 (plug)
ROMP 13 L ARCA AQ MONITOR	2	PVC	510	595	Lower Arcadia aquifer (zone 3)	Yes	769202	606273 (plug)
ROMP 13 U FLDN AQ OB TEMP (SWNN)	2	PVC	670	780	Upper Floridan aquifer (SWNN)	Yes	24192	548319; 606271 (plug)
ROMP 13 COREHOLE	12	PVC	39	1,544	Upper Floridan aquifer	No	769200	
ROMP 13 EXPL BOREHOLE 1	12	Steel	671	1,705	Upper Floridan aquifer	No	769197	
ROMP 13 EXPL BOREHOLE 2	12	Steel	671	2,090	Upper Floridan aquifer	No	769198	

Lithologic Sampling: Yes FGS Lithologic Log: Yes

Interval	Interval	Sample Type	Comments:
Top (ft bls)	Bottom (ft bls)		
0	49	Hollow-stem auger	
49	1,544	Wire-line coring	

Discrete Zone Testing: Yes

Interval	Interval	WL	Test/Sample Type	Other	Comments:
Top (ft bls)	Bottom (ft bls)		WQ	Slug	
19	1,544		X		Collected every 20 to 40 feet with bailer
	87			X	Permeameter

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200	X	Permeameter
268	X	Permeameter
830.5	X	Permeameter
1,019	X	Permeameter
1,182.5	X	Permeameter
1,319	X	Permeameter
1,469	X	Permeameter

Aquifer/Well Testing: Yes

Unit Tested	Test Type		Comments:
	APT	Specific Capacity	
surficial aquifer	X		
Upper Arcadia aquifer (zone 2)	X		
Lower Arcadia aquifer (zone 3)	X		
Upper Floridan aquifer (SWNN)	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 Televiewer
ROMP 13 AVPK PZ MONITOR	X	X	X	X	X	X	X			X			
ROMP 13 COREHOLE	X	X	X	X	X	X	X	X		X	X		
ROMP 13 EXPL BOREHOLE 1	X												
ROMP 13 EXPL BOREHOLE 2	X	X	X	X	X	X	X	X					
ROMP 13 L ARCA AQ MONITOR		X	X	X	X	X	X			X			

