

Table 6. Batteries of Drilled Irrigation Wells in the Cul-de-Sac Plain, Haiti

November 1946

49-114

Based Principally on Data Furnished by the Haitian-American Sugar Company.

Battery No.	Owner's Name and Number	Year Completed	Temp. (°C.)	Elevation (Mts. Above Sea Level)	Number of Wells in Battery	Arrangement and Spacing of Wells	Range in Depth (Meters)	Aver. Depth (Meters)	Range in Diameter (Inches)	Pumping Installation Motor 2/ Pump 3/	Yield of Battery (Lts./Sec.)	Aver. Static Water Level (Meters)	Aver. Annual Pumpage 1943-47 (Hec. Mts.)	Water - Bearing Strata				Chemical Quality			Remarks			
														Well No.	Principal Aquifers (Meters)	Static Head (Meters)	Lithologic Character	Geologic Horizon	Total Solids P.P.M.	Chlorides as NaCl (P.P.M.)		Date of Sample		
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
3	Vandrouil	1921	27	6.1	6	6 wells on N-S line spaced at intervals of 15 meters.	30.0 - 60.0	45.0	3-8							6 (?)	29.0-31.0	+	Sand and Gravel	Recent	1027	328	April 11, 1921	Battery now unused. In April 1921 most of wells yielded slight flow. Drilled well with turbine pump now in use at center of battery.
15	La Morinière pump No. 2	1921	27		7	6 wells on N-S line flow into pit 4.8 mts. below surface. Pump set in pit.	(?) 192.6	(?)	6-9	G 25	C	35.1			82.14	2	43.9-44.5 58.5-62.2 66.8-74.1 175.3-177.1 188.7-192.6	-15.8 -11.9 -8.2 -2.7 +	Sand & some gravel Sand w/gravel & some clay Fine sand & some gravel Fine sand Sand w/shale & gravel	Recent Pleistocene(?) Miocene "				Battery pumped at 55.5 lts./sec. in October 1945 and at 49.7 lts./sec. in 1936.
29	Truitier	1927	28	3.7	6	6 wells on NW-SE line and spaced at intervals of 9 meters. Connected by suction to pump set in pit.	25.9 - 50.3	35.5	4-6	E 15	C	49.1		0	16.29	2	4.6-12.2 29.3-31.7	-4.6 +	Coarse & fine sand Sand & Gravel	Recent "	896	127	March 3, 1927	In 1927 most of wells flowed slightly when first drilled. Battery pumped at 35.2 lts./sec. in October 1945 and in 1936.
49	Drouillard No. 3	1920	27	12.2	6	6 wells on NW-SE line spaced at intervals of 8 meters. Connected to pumping plant by an 8-inch suction line laid 1.7 mts. below surface.	10.7 - 17.7	13.2	5	E 40	C	96.4		-2.3	118.37	1	6.1-10.7 12.8-14.6 15.2-17.1	-2.7 " "	Gravel " Sand and gravel	Recent " "				Battery originally contained 9 wells, but 3 of these were abandoned and casings pulled about 1923. In present line well No. 1 is at W end; well No. 6 at E end. Battery pumped at 129.1 lts./sec. in 1934.
50	La Morinière pump No.3		27		20	10 wells on NW-SE line and 10 wells on perpendicular NE-SW line. Spaced at intervals of 9 meters and flow into central collecting pit.	42.7 - 75.6	53.6	8	D 15	T	35.2		-4.3		10	16.5-18.3 30.5-32.0 38.1-39.6	-4.3 -4.6 -4.9	Gravel " "	Recent " "				Battery pumped at 63.7 lts./sec. in 1938.
58	Dessources pump No. 1	1920	27	26.6	6	3 wells on WNW-ESE line and 3 on NW-SE line. Spaced at intervals of 15 m. and connected to pump set in pit 7 meters below land surface.	156(±) -172(±)	166(±)	8	D	C	56.1			59.42	1(?)	8.0-12.0 60.0-62.0 85.0- 133.0-	-8.0 0 + +	Sand Limestone Sandstone Limestone(?)	Recent Miocene "				Some of wells in battery when first drilled yielded 2.5 to 3.3 lts./sec. by artesian flow. In October 1945 battery produced 71.6 lts./sec. with steam pump.
60	La Serre pump No. 1	1920	27		6	3 wells on NW-SE line and 3 on NE-SW line. Spaced at intervals of 15 meters. Wells connected to pump set in pit 7 meters below land surface.	27.1 - 31.1	29.8	6-12	S	C	63.8		-7.0	24.92	4	21.3-30.5	-9.1	Sand and gravel	Recent				When battery first finished yielded 56.6 lts./sec.
67	Stelle No. 1		27.5	30.2	5	5 wells on NE-SW line but only 3 connected to pump which are set in pit about 5 meters deep.			6-8	(1) E 30 (2) E 15	E C	23.1 52.5			114.13									

See footnotes at end of table

- 1/ Elevation of land surface at pumping station
 2/ D, diesel; E, Electric; G, gas; S, steam.
 3/ C, centrifugal; L, lift; T, turbine.
 4/ By artesian flow.

- 5/ Among wells in battery. Water level above (+) or below (-) land surface.
 6/ Below land surface
 7/ When well drilled. Above (+) or below (-) land surface.

PLEASE REPLACE IN POCKET
 IN BACK OF BOUND VOLUME

