



Station : LS 107
Installation : LS 107
Contact :

Layout : Initial layout
From : 5/18/2010 2:23:55 AM
Phone :

Device : 922368
To :
Email :

Dimensions		
Geometry of well: Other		
	Distance	Volume
Between start level for one pump and stop level	ft	2,169 US gal.
Between start level for two pumps and start level of one pump	ft	867 US gal.
Between start level for three pumps and start level of two pumps	ft	US gal.

Electricity													
Input	Unit	#	Phase 1	Unbal	Phase 2	Unbal	Phase 3	Unbal	Avg	Run time	Starts	Suspicious	
			Avg	%	Avg	%	Avg	%		hours		events	
Voltage	Computed	V	483.1		492.0		502.5						
Voltage		V	285.0	0.2%	272.8	-4.0%	295.2	3.8%	284.3				
Current	Motor 1	A	34.3	2.6%	33.7	0.8%	32.3	-3.4%	33.4	75.76	2,027	8	
Current	Motor 2	A	33.1	5.0%	30.8	-2.3%	30.7	-2.6%	31.5	67.83	2,031	12	

Efficiency		Power consumption						Reference efficiency: 4.16				
Pumps	Total	Phase 1	Phase 2	Phase 3	Run time	Events	Pump capacity	Pumped Volume	Efficiency	Average cycle		
	kVAh	%	kVAh	kVAh	kVAh	hours	GPM (US)	US gal. x 1000	%	US gal./VAh	min	
None	0	0.0	0	0	0	403.57	4,040				00:05:59	
1	2,199	54.6	754	709	736	75.59	2,028	1,402	6,359	51.1	2.89	00:02:14
2	1,818	45.1	637	568	612	67.67	2,019	1,492	6,058	48.7	3.33	00:02:00
1 & 2	9	0.2	3	3	3	0.17	12	2,175	22	0.2	2.32	00:00:49
Total ¹	4,026	100	1,395	1,281	1,351	546.99	8099		12,439	100		

Annual Energy Cost							
Cost per kVAh	\$0.10	Actual cost	%	Cost if single ²	% variation	Variation/Std	\$ Equal ³
Pump 1		\$3,524.52	54.6%	\$6,894.43	7.1%	\$2,102.74	\$1,051.37
Pump 2		\$2,912.72	45.1%	\$5,980.26	-7.1%	\$1,188.57	\$594.28
Other		\$15.23	0.2%				
Total		\$6,452.47	100%				

Total annual extra cost of electricity if no modification occurs: \$1,661 26 %

(1) Total : Include stopped time (2) Cost if single : Cost if only one pump would pump everything (3) \$ Equal Run Time : Extra cost of electricity if each pump pumps the same volume of water