



Performance Test Report

SPECIALIZED INSPECTION SERVICES FOR THE WATER INDUSTRY

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Facility Harris County M.U.D. #69 - well #1 **Test Date** 02/28/2011
U.S.G.S. # LJ-65-03-615

PUMP DATA

Manufacturer : Flowserve
 Bowl Type : 10" EBM
 Stages : 12
 Setting : 448
 Column Size : 8" X 2 1/2" X 1 1/16"
 Design Point : 1000 GPM @ 375' TDH

MOTOR DATA

Manufacturer : U.S. Motors
 Size (HP) : 200
 Amps/Volts : 228/460
 Serial # : R-6377-08-424
 Frame : 445TPA
 Speed (RPM) : 1770

PERFORMANCE TEST DATA

Static Lvl (ft) -255		
Discharge Pressure	10	40
Capacity (GPM)	1087	943
Pumping Lvl (ft)	-297	-293
Drawdown (ft)	42	38
Specific Capacity	25.88	24.82
Field Head (ft)	320.1	385.4
Water Horsepower	87.86	91.87
Overall Efficiency	65%	60%
Horsepower Input	135.07	153.97
Kilowatt Input	100.8	114.9
Amp Draw	147-150-141	162-165-157
Voltage	494-492	494-491
Sand (PPM)	1	1
Time (min)	45	15

Additional Data

Pump Submergence (ft)	151	Brass Detect	Trace	Airline Functional	Yes
KWH/Million Gallons	1,545.54	ETM Read	11643	Right Angle Drive	No
Start-up Sand (PPM)	1	Meter Read	376358	Meter Accuracy	98.2%

Flowmeter registers 1067 GPM at 10 PSI discharge pressure.

Remarks

Alsay installed pump.

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Well #1

