



February 25, 2008

Harris County MUD #69
c/o Aqua Services
Attn: Board of Directors
11100 Brittmoore
Houston, Texas 77041

Reference: Water Well #1- Performance Testing

Members of the Board,

Collection and evaluation of field data pertaining to the operation of the well and well pumping equipment was recently completed at the facility referenced above. Included in this report please find the test results and pump curve generated by the testing. Historical performance data is presented in graphical format.

PERFORMANCE TEST REVIEW								
Hydraulic Performance of pump is 1072 GPM @ 323' field head	Excellent	<input checked="" type="checkbox"/>	Good	<input type="checkbox"/>	Marginal	<input type="checkbox"/>	Poor	<input type="checkbox"/>
Overall efficiency is 67 percent	Excellent	<input checked="" type="checkbox"/>	Good	<input type="checkbox"/>	Satisfactory	<input type="checkbox"/>	Poor	<input type="checkbox"/>
Pump Submergence 148 feet	Excellent	<input checked="" type="checkbox"/>	Good	<input type="checkbox"/>	Marginal	<input type="checkbox"/>	Poor	<input type="checkbox"/>
Vibration Analysis (N/A)	Excellent	<input type="checkbox"/>	Good	<input type="checkbox"/>	Marginal	<input type="checkbox"/>	Poor	<input type="checkbox"/>
Suspended Solids Testing	Excellent	<input checked="" type="checkbox"/>	Good	<input type="checkbox"/>	Marginal	<input type="checkbox"/>	Poor	<input type="checkbox"/>
Brass Observed in SST	None	<input checked="" type="checkbox"/>	Trace	<input type="checkbox"/>	Substantial	<input type="checkbox"/>	Excessive	<input type="checkbox"/>
Flowmeter Accuracy is 98.1 percent								

The test indicates the pump, installed by Alsay appears to be operating in satisfactory condition.

We appreciate this opportunity to be of service. If you have any questions or comments, please call.

Sincerely,
Gary McMurrey
G-M Services



Performance Test Report

SPECIALIZED INSPECTION SERVICES FOR THE WATER INDUSTRY

website: www.g-mservices.com

phone: 281-894-8971

Facility Harris County M.U.D. #69 - well #1 **Test Date** 02/21/2008
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) -259		
Discharge Pressure	10	10
Capacity (GPM)	1072	1072
Pumping Lvl (ft)	-300	-300
Drawdown (ft)	41	41
Specific Capacity	26.15	26.15
Field Head (ft)	323.1	323.1
Water Horsepower	87.46	87.55
Overall Efficiency	67%	67%
Horsepower Input	131.32	131.32
Kilowatt Input	98	98
Amp Draw	149-145-136	149-145-136
Voltage	486-482	486-482
Sand (PPM)	1	1
Time (min)	45	45

Additional Data

Pump Submergence (ft)	148	Brass Detect	No	Airline Functional	Yes
KWH/Million Gallons	1,523.63	ETM Read	3913	Right Angle Drive	Yes
Start-up Sand (PPM)	1	Meter Read	948609	Meter Accuracy	98.1%

Flowmeter registers 1052 GPM at 10 PSI discharge pressure.

Remarks

Alsay installed new pump bowl.

Harris County M.U.D. #69

Well #1

