



February 24, 2006

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.

<b>PERFORMANCE TEST REVIEW</b>								
Hydraulic Performance of pump is 1101 GPM @ 356' field head	Excellent	<input checked="" type="checkbox"/>	Good	<input type="checkbox"/>	Marginal	<input type="checkbox"/>	Poor	<input type="checkbox"/>
Overall efficiency is 62 percent	Excellent	<input type="checkbox"/>	Good	<input checked="" type="checkbox"/>	Satisfactory	<input type="checkbox"/>	Poor	<input type="checkbox"/>
Pump Submergence 87 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 type="checkbox"/>	Good	<input checked="" 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 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

P.O. Box 690309

Houston, Texas 77269

Telephone 281.894.8971

<b>Facility</b> Harris County M.U.D. #69 - well #1	<b>Test Date</b> 02/06/06
<b>U.S.G.S. #</b> LJ-65-03-615	

### PUMP DATA

<b>Manufacturer :</b>	Floway
<b>Bowl Type :</b>	12 LKM
<b>Stages :</b>	7
<b>Setting :</b>	420
<b>Column Size :</b>	8" X 2 1/2" X 1 1/2"
<b>Design Point :</b>	1000 GPM @ 389' TDH

### MOTOR DATA

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

### PERFORMANCE TEST DATA

Static Lvl (ft)-296

Discharge Pressure	10	40
Capacity (GPM)	1101	926
Pumping Lvl (ft)	-333	-329
Drawdown (ft)	37	33
Specific Capacity	29.76	28.06
Field Head (ft)	356.1	421.4
Water Horsepower	98.88	98.54
Overall Efficiency	62%	63%
Horsepower Input	160.67	156.512
Kilowatt Input	119.9	116.8
Amp Draw	170-167-166	166-164-163
Voltage	490-488	492-490
Sand (PPM)	1	1
Time (min)	45	15

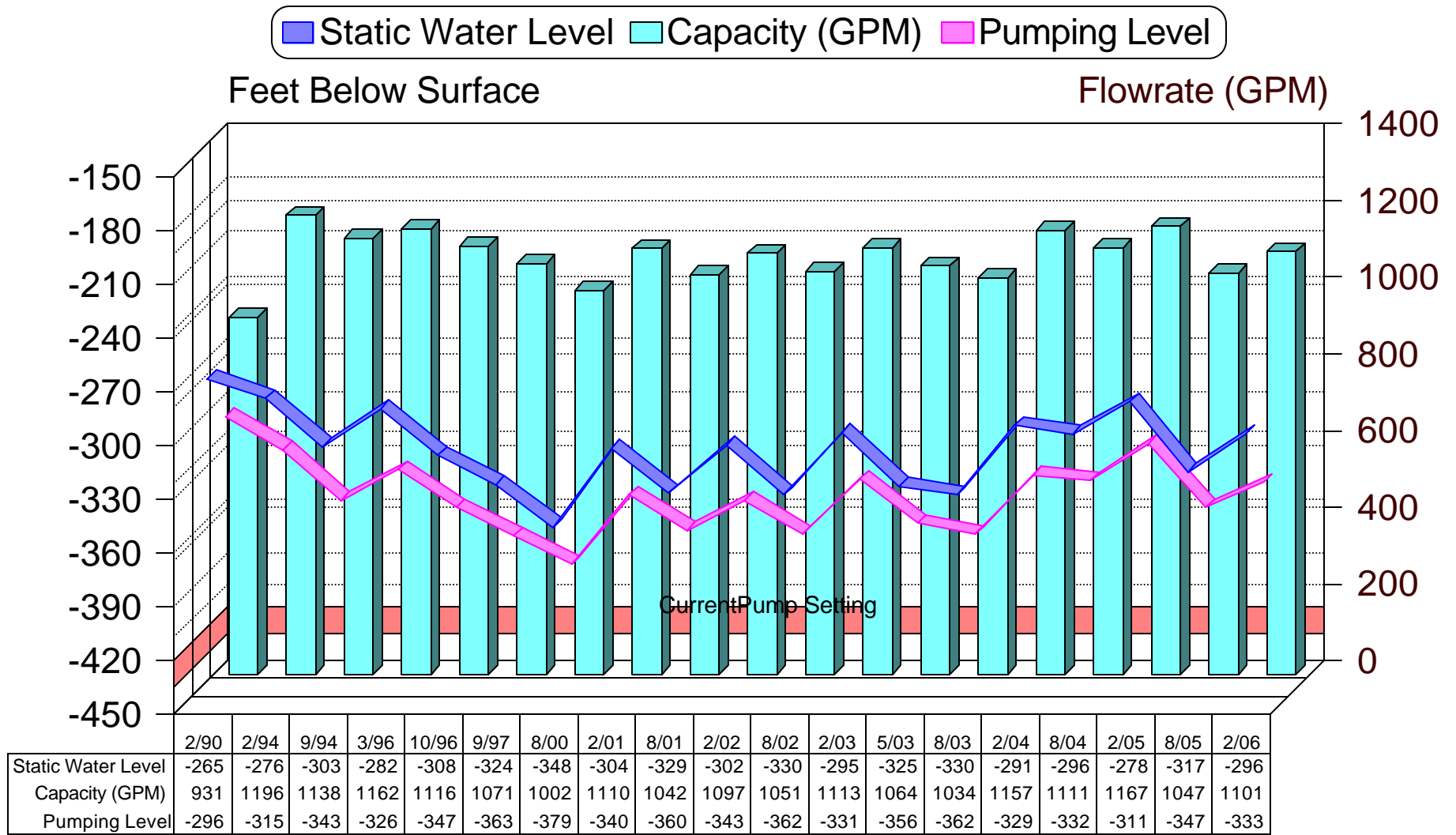
### Additional Data

Pump Submergence (ft)	87	Brass Detect	No	Airline Functional	Yes
KWH/Million Gallons	1,815.02	ETM Read	324	Right Angle Drive	Yes
Start-up Sand (PPM)	5	Meter Read	722239	Meter Accuracy	98.1%
Flowmeter registers 1080 GPM at 10 PSI discharge pressure.					

Remarks:

# Harris County M.U.D. #69

## Well #1



# 12LKM

## ENCLOSED TYPE IMPELLER

# 1770 RPM

### PER STAGE PERFORMANCE

