

Edl, Michele

From: Whitson, Marvin [Marvin.Whitson@PENTAIR.COM]
Sent: Wednesday, July 01, 2009 8:34 AM
To: Edl, Michele
Subject: FW: request for pump curves
Attachments: 75K6 Curve.pdf; 6S2BM Curves.pdf

Attached are the performance curves as requested. You will need to figure your system head demand to see where each pump will operate on their performance curves.

Marvin Whitson
Technical/Order Support, Training Specialist
Customer Interaction Center
Delavan Operations
Pentair - Residential Flow Global Business Unit

From: Reece, Jeremy
Sent: Wednesday, July 01, 2009 7:06 AM
To: Whitson, Marvin
Subject: FW: request for pump curves

Marv,

We need your help with this ...see below.

Thanks,

Jeremy W. Reece
Customer Interaction Center Supervisor - PRO
Pentair Water - Delavan Operations

From: Starite Information
Sent: Tuesday, June 30, 2009 4:37 PM
To: Reece, Jeremy
Subject: FW: request for pump curves

You may want a senior member to address this

From: Edl, Michele [mailto:Michele.Edl@idwr.idaho.gov]
Sent: Wednesday, June 24, 2009 6:01 PM
To: Starite Information
Subject: request for pump curves

Good afternoon,
I work for the Idaho Department of Water Resources and am investigating an old water right for validity. Because this is a 'cold case' am trying to establish flowrates without sufficient information. I am hoping that you can provide me with some of the missing pieces.

I have a system consisting of twin wells pumped by two different-sized pumps.
I believe that one of the pumps was a 7.5 HP Sta-rite pump, model no. 75-K-6 designed to put out 75 gpm at 50 psi.
And that the second pump was a 15 HP Berkeley pump, model no. 6S2BM6-15. It was designed to put out between 175 and 200 gpm (average of 188 gpm) at 50 psi.

If you can provide me with pump curves that would have valid in 1991, to pumps with these specs, I will be very pleased.

If you can help me determine the combined flowrate, I would be ecstatic.
Together the 2 well-pump pairs served approximately a dozen homes in a subdivision. The lines from each well-pump pair joined at a 'T' in the well house and I was told that both could be operated together. However, I don't believe that the maximum flowrate is

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simply additive. I doubt that the two pumps could operate together without the flow from one interfering with the flow from the other.

Any information you can provide will be gratefully accepted.
Thank you in advance.

Michele Edl
Associate Engineer
Water Rights Section

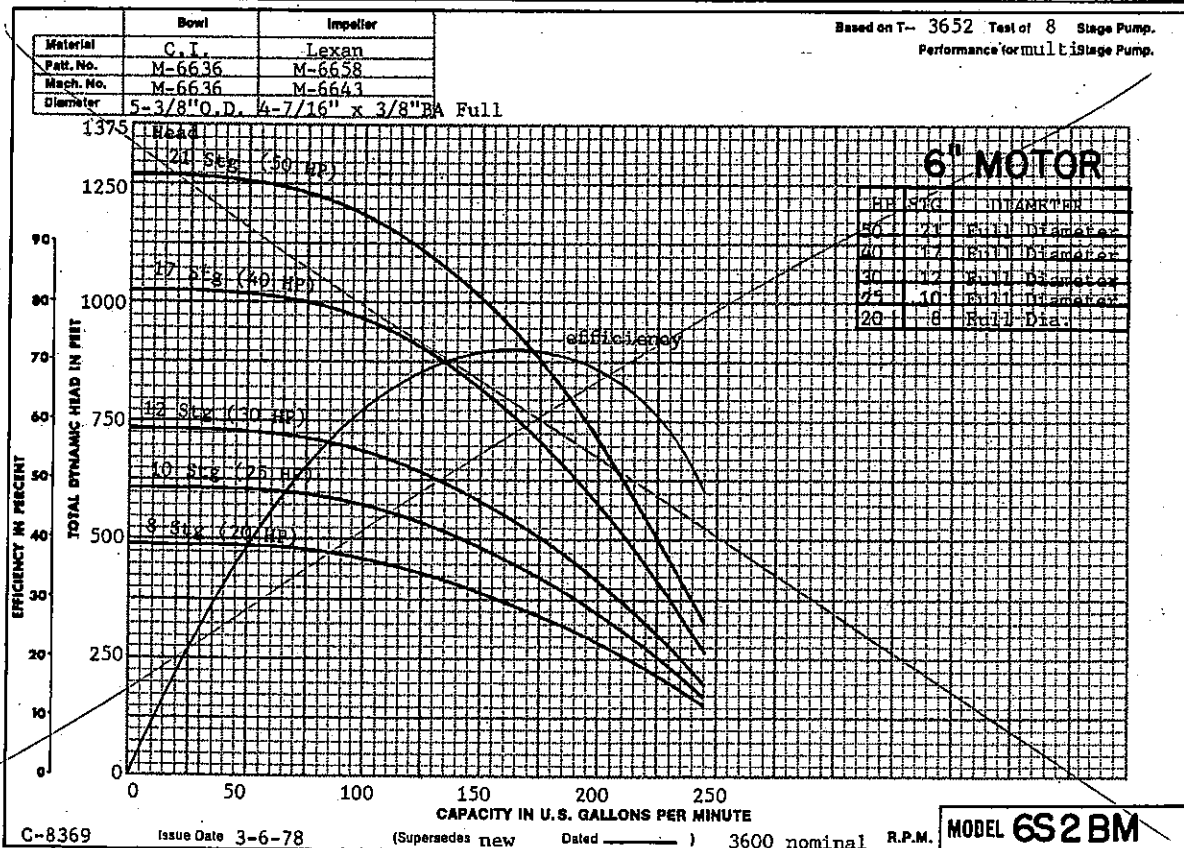
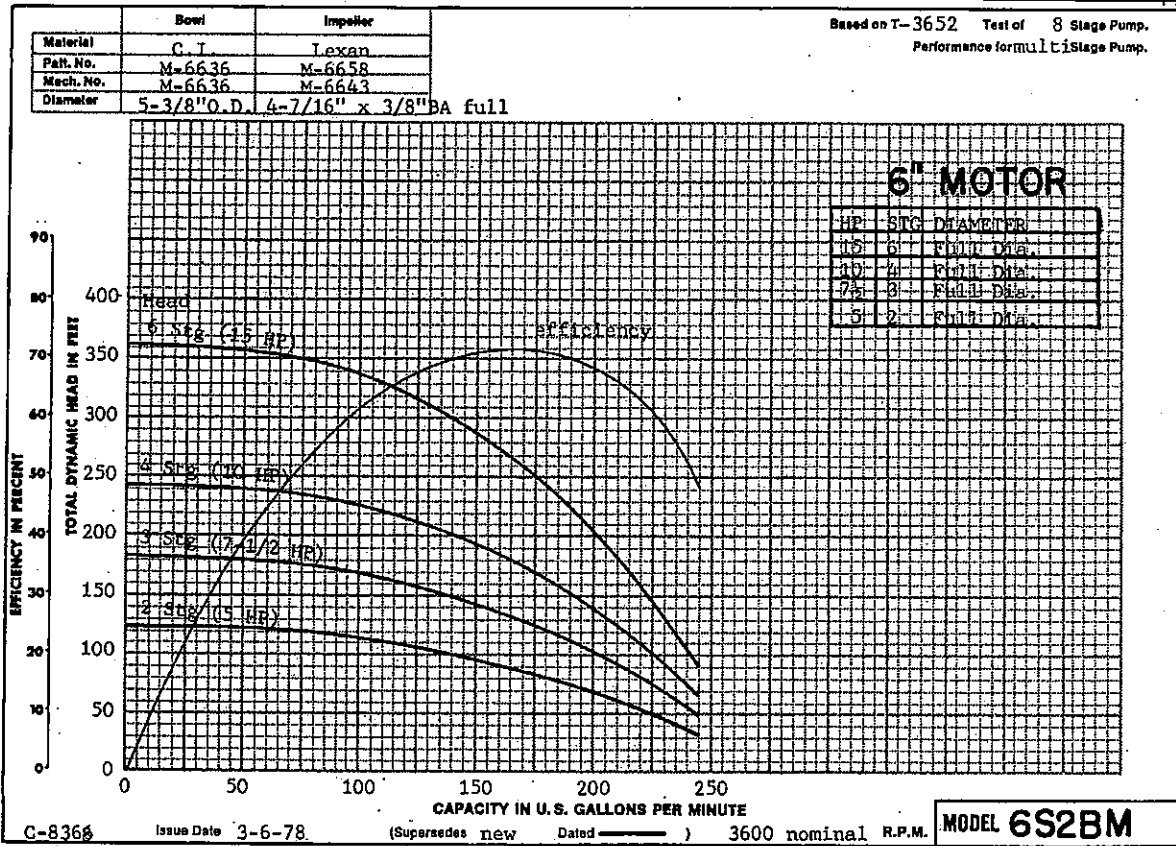
This email has been scanned by the MessageLabs Email Security System.

7/1/2009



BERKELEY PUMP COMPANY
SUBMERSIBLE TURBINE PUMPS
6" AND 7" BOWLS
PERFORMANCE CURVES

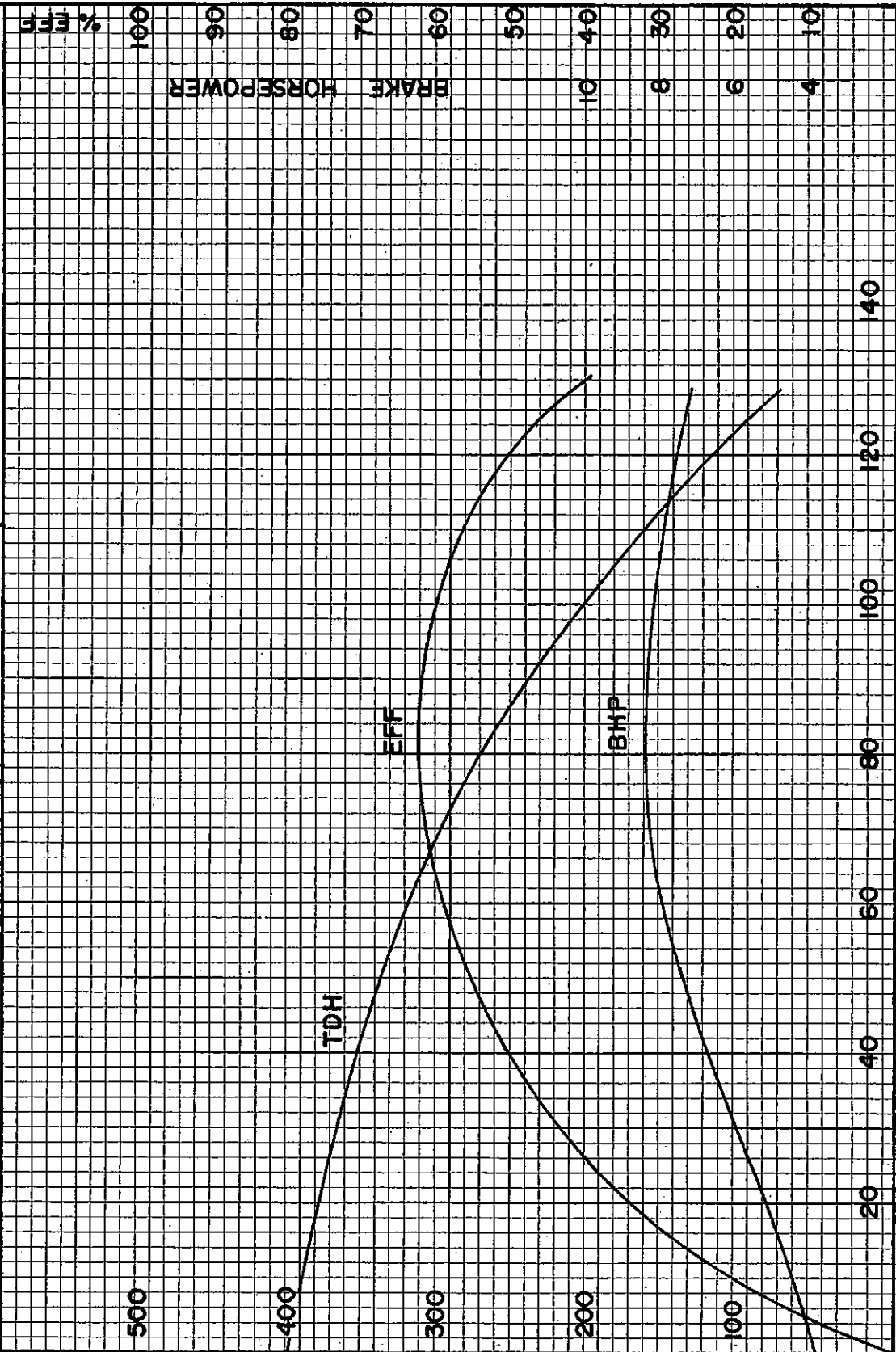
CURVE	2500
DATE	5-1-79
PAGE	3.01
SUPERSEDES	
Curve 2500	Page 3.01
Dated 4-14-78	



MODEL: 75K6		IMPELLER NO:	
SIZE: 6"		CURVE NO: STI202	
RPM: 3450	HP: 7 1/2	DATE: REV. FEB., 1982	



STAIRITE INDUSTRIES, INC.
Water Equipment Division
293 SOUTH WRIGHT STREET / DELAVAN, WISCONSIN 53115 / U.S.A.



CAPACITY U.S. G.P.M.

Edl, Michele

From: Rob Harris [rharris@holdenlegal.com]
Sent: Wednesday, June 24, 2009 10:30 AM
To: Edl, Michele
Cc: 'Brad Hendrickson'
Subject: RE: Township Park Estates

Michele:

I apologize for not getting back to you sooner. I've been out of town, and had a little difficulty contacting the person at Denning Well Drilling that I needed to, but I finally touched base with him this morning.

As shown on the well drillers reports I previously submitted, Denning Well Drilling drilled both Township Park Estates wells. I talked to them about the well and what pumps were installed. They were able to pull the file from when the wells and pumps were originally installed in 1991. They provided the following information

One of the pumps was a 7.5 HP Sta-rite pump, with a model no. 75-K-6. It was designed to put out 75 gpm at 50 psi.

The second pump was a 15 HP Berkeley pump, model no. 6S2BM6-15. It was designed to put out between 175 and 200 gpm (average of 188 gpm) at 50 psi. Thus, combined, the pumps would put out between 250 and 275 gpm at 50 psi.

Unfortunately, Denning did not have the original pump curves for these pumps. I'm not sure if there are generic pump curves available, or if you know how to obtain these pump curves for the pump models. I searched the internet and was unsuccessful in locating any pump curves for the pumps. Maybe with the above information, you may know better what to do. If you need to, you could call Denning Well Drilling at 523-4600 to ask additional and informed questions. The file is under the name of James Fielding.

Lastly, you did say that the system has been changed (the 7.5 HP pump now has a 15 HP pump), and that perhaps a measurement at the site would not work. As I understand it, the second 15 HP pump that was installed was simply to add pressure to the system, not divert more water. Again, I am not an expert, but perhaps a measurement would still work because the only thing that has changes is pressure. Let me know your thoughts.

Thanks,

Robert L. Harris
HOLDEN, KIDWELL, HAHN & CRAPO, PLLC
1000 Riverwalk Drive, Suite 200
P.O. Box 50130
Idaho Falls, ID 83405-0130
Phone: (208) 523-0620
Fax: (208) 523-9518
E-Mail: rharris@holdenlegal.com

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