

Memorandum

January 21, 2009

TO Nick VanDyke
FROM Cindy Yenter
RE Supplemental information for permit 37-8705

RECEIVED

JAN 22 2009

DEPARTMENT OF
WATER RESOURCES

Hubert Shaw brought me information today, intended to support his claim that the well developed under this permit discharged at or near the permit limit of 7 cfs at the time proof of beneficial use was filed in 1992. Water distribution staff documented a 200 HP pumping plant on this well and measured the discharge at 1783 gpm (3.9 cfs) in 2001. Mr. Shaw's documents include:

1. A statement from Max Auker, a former employee of the irrigation company that installed the pump and motor around 1990.
2. A pump curve for the 300 HP pumping plant originally installed on the well. Note that each trim curve represents a single pump stage, and this appears to be a 2-stage pump. The capacity value should therefore be doubled to obtain total discharge. You will have to determine lift from well logs or other sources to calculate total dynamic head. The well open discharges, so you can assume a discharge pressure of no more the 10 psi.
3. A receipt for services when the 300 HP plant was pulled off this well and repaired. Mr. Shaw indicates he replaced the 300 HP with the 200 HP system we found.

I also included Corbin Knowles' measurements from 2001 which includes the serial number of the 200 HP motor now on the well.

This permit was developed supplemental to Big Wood Canal Co and/ or American Falls Reservoir District shares. There are more sw shares than permit acres. Consequently it is hard to know exactly where irrigation occurred under the permit. The 1992 photo shows acres irrigated in excess of the permit acres.

My recommendation is to license for the permit acres as they are shown, and be sure and put a supplemental condition on the license. Once the license is issued, Mr. Shaw intends to file a transfer application to create a PPU with this right and other nearby rights in Sec 29.

The well location has been gps'd, and I noted the site tag no. and spatial ID on the proof copy attached. Please use that spatial to update your license pod.

IDAHO DEPARTMENT OF WATER RESOURCES

Water Permit Report 37-8705

WATER RIGHT NUMBER: 37-8705

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	WILLIAM HUBERT SHAW 411 S 750 E DIETRICH, ID 83324 (208)544-7534

Priority Date: 02/21/1991

Basis:

Status: Active

<u>Source</u>	<u>Tributary</u>
GROUND WATER	

<u>Beneficial Use</u>	<u>From</u>	<u>To</u>	<u>Diversion Rate</u>	<u>Annual Volume</u>
IRRIGATION	4/01	to 11/01	7.000 CFS	
	<u>Total Diversion:</u>		7.000 CFS	

Location of Point(s) of Diversion

GROUND WATER

LINCOLN County

GROUND WATER

LINCOLN County

Strike. See condition, single pod
~~NE1/4NW1/4NE1/4 Sec. 29, Twp 06S, Rge 19E, B.M.~~

Pod Spatial ID 169702
Site 1b
A0005518
 NW1/4NE1/4NE1/4 Sec. 29, Twp 06S, Rge 19E, B.M.

Place of Use

IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
06S	19E	21											38.0	39.0			39.0	35.0	151.0
06S	19E	28	36.0	39.0	40.0	37.0							38.0						190.0
06S	19E	29			39.0	40.0													79.0

Total Acres: 420

Conditions of Approval:

- 01C A flow measurement port or other device as specified by the Department shall be installed by the right holder to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.
- 03A The rate of diversion of water for irrigation under this right and all other water rights on the same land shall not exceed 0.02 cubic feet per second for each acre of land.

Supplemental Big WOOD Canal

IDAHO DEPARTMENT OF WATER RESOURCES

Water Permit Report 37-8705

3. Single point of diversion located on or near line between NENE and NWNE, S29, T06S, R19E.
4. 051 Any license issued by IDWR pursuant to the right or portion thereof for the use of trust water is subject to a term review of 20 years after the date of this approval to determine availability of water for the use and to re-evaluate the public interest at the end of the term.
5. 053 The Director retains jurisdiction over this right and may change, add, or remove any requirement as determined to be appropriate.
6. 052 Diversion and use of water under this right is subject to an annual use fee if rules are subsequently promulgated which provide for the submittal of the fee.

Remarks:Comments:

1. VAULT 5/14/1992 Proof of Beneficial Use Rcvd
Comment: Proof of Beneficial Use Rcvd

Dates and Other Information:

Permit Proof Due Date: 6/1/1992
Permit Proof Made Date: 5/13/1992
Permit Approved Date: 6/12/1991
Permit Moratorium Expiration Date:
Enlargement Use Priority Date:
Enlargement Statute Priority Date:
Field Exam Date:
Date Sent to State Office:
Date Received at State Office:
State or Federal:
Owner Name Connector:
Water District Number: 130
Generic Max Rate Per Acre:
Generic Max Volume Per Acre:
Swan Falls Trust or Nontrust:
Swan Falls Dismissed:
DLE Act Number:
Carey Act Number:
Mitigation Plan: False

Combined Use Limits:Water Supply Bank: