

25-4288

Total system capacity for the 2 wells (using pressure and water level data from the licensing exams for 25-2109 and 25-2118, and assuming 70% efficiency after system enhancements were completed in 1959) are calculated as follows:

A0008342

$$Q = \frac{(75+25)(8.814)(0.70)}{(75 \text{ psi} \times 2.31) + 90'} = 2.344 \text{ cfs}$$

A0008343

$$Q = \frac{(125+50)(8.814)(0.70)}{(63 \text{ psi} \times 2.31) + 92.6'} = 4.534 \text{ cfs}$$

$$\underline{\underline{6.88 \text{ cfs}}}$$

Total system HP in 1959 was 275 HP. Recently system has been measured by EWMD staff. While the system has changed, total HP has remained at 275 HP. On 7/14/99 A0008343 was measured at 1842 GPM at 72 PSI. On 6/5/2003 A0008342 was measured at 1380 GPM. Total measured capacity of the system is 7.18 cfs. Recommend 7.18 cfs less the licensed rates from 25-2109 and 25-2118. (1.06 cfs)

2/18/2004

25-2109, 2118, 4288

Met with Clyde Cook re: above claims.
Claims 25-2118 and 25-4288 were amended.

A0008342 In August 1952 when licensing exam was done for 25-2109, it appears there was a 60 HP pump ~~and a 25 HP booster~~ in place. When claim was filed in 1988, the well was equipped w/ a 75 HP pump and a 25 HP booster. (Licensed rate was based on system capacity of 2.50 cfs.)

A0008343 In Sept 1958 when licensing exam was done for 25-2118, system had 125 HP pump. Licensed rate was limited by system capacity of 3.62 cfs. When claim was filed in 1988, system had 125 HP pump and 60 HP booster.

These 2 wells were joined to form common system in 1975. Clyde was familiar with farm operation back to 1968, when he started working there. He said that at that time they could run 26 1/4 mi HL, 2 per QQ. He said the boosters were in place previous to 1968 and that pressure ranged from 90-100 psi using 5/32" nozzles.

Evidence for acres claimed under
25-4288 has already been provided
dating back to 1961. However
in order to recommend quantity we
need evidence of system capacity
at that time, less licensed amounts
from 25-2109 and 25-2118.



IDAHO DEPARTMENT OF WATER RESOURCES

Snake River Basin Adjudication - Basin 23-27



RIGHT ID 25 4288
POD ID 131227
Folder No. A2504288
Claim Status In Use
IDTMEAST 683042
IDTMNORTH 282575
GPSID A0011990

Diversion Description

226' X 18" WELL W/ 75HP TURBINE PUMP AND 25HP BOOSTER. SPRINKLER.

Assumptions

Assume original diversion description information is accurate. Assume pressure head.

Invoice #

2000-055-23-27-0

Phase-0 (No Attention)
Phase-I (Ready to Go to Field)
Phase-II (Site Visit - Data Missing)
Phase-III (Complete w/issues)

Linked

Photos\25-4288-001.JPG

Photos\25-4288-003.JPG

Photos

Photos\25-4288-002.JPG

GPS Accuracy (ft)

17 Feet

Date (M/D/Y)

07-22-02

Time

14:39

Flow Rate (CFS)

3.13

Open Channel Flow

☐ Complete one box from both Area and Calculation sections

Cross Sectional Area

☐ Circular Channel

- ☐ Less than half full
☐ Half full
☐ More than half full
☐ Full

Diameter 0

Depth 0

☐ Rectangular Channel

Width 0

Depth 0

Flow Calculation

☐ Continuity

Velocity

0

☐ Orifice

(Use only for head over a pipe flowing full with free discharge)

Depth of Water above orifice centerline 0

☐ Weir

(Use only for water flowing freely over weir)

Height of water above nappe 0

Width of weir 0

☐ Manning (If used, include photo of representative channel section)

Channel Slope

Channel Description

Concrete lined	.016
Smooth earth	.025
Earth	.033
Rough bed, weeds on sides	.04
Smooth natural stream	.033
Rough natural stream	.1

Pumped System ☒

HP 150

Pressure Head (psi) 30

Elevation Head (ft) 226

Motor Mfg Agri-Inject

Motor Serial #

Pump Type Vertical Turbine

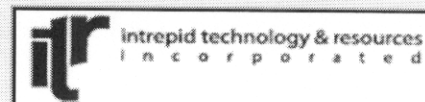
Pump Mfg Fairbanks Morse

Pump Serial# F.354286

New Contact Information ☐

New Contact Comments

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FOLDER NO.

A2504288