

MEMO

TO: File 78-7304

FROM: CPadilla

DATE: June 10, 2011

RE: Licensing Review Memo

Timeline:

Application Received: September 2, 1988

Permit Issued: November 30, 1988

Proof of Beneficial Use: November 28, 1989

Field Examination: November 10, 1992

Point of Diversion: The PD source is clarified in the field examiners report as being tributary to Elk Creek. The field examiner made extensive notes on the source.

Overlap Analysis of PD: Overlaps as noted by the field examiner—

78-7329 is withdrawn and no longer overlaps the PD

78-7301 is from Elk Creek and the field examiner found that the spring for this right is from a spring. (78-7304) CP

There is not a PD overlap for any other rights.

POU: I had a hard time deciphering the POU since McNulty's no longer own the lot associated with this right. I plotted the deed located in the application and found that the two lots shown below used to be one piece. According to taxlot data, the smaller lot had a home since 1973 and the larger lot had a home built in 1996. From this, I can conclude that the smaller lot is the POU for this right since the exam was conducted in 1992, which pre-dates the larger lot's home.



Overlap Analysis of POU: 78-7006 does not overlap this right's POU

Right 78-7328 does cover the same POU. or See conditions of approval on license.

Volume and Diversion Rate: No measurement was taken during the field exam but the system can accommodate up to 0.03 cfs based on the attached pipe diameter/cfs spreadsheet. And the domestic use is for indoor use only so the volume will be 0.6 afa.

Ownership: The current owner as listed in the 2009 taxlot data is

Mary Kohnke

1717 N 17th

Boise ID 83702

A copy of the license will be cc'd to her with an ownership change form.

Amendment?: NO.

PIPE FLOWS -- PUMPING SYSTEMS

[properly designed @ 5 ft. / sec.]

$$Q = 5 \pi r^2 \text{ (r in ft.)} \quad Q = 5 \pi R^2 \text{ (R in ft.)}$$

$$R = (\text{diameter}/12) / 2 \quad \left(\frac{\text{dia}}{12} \right) \div 2$$

$$\pi = 3.1416$$

<u>PIPE DIAMETER(")</u>	<u>CFS (1/100)</u>	^(1/10) <u>MINER INCH</u>	^(1/10) <u>GALLONS/ MINUTE</u>
1	.03	1.5	13.5
2	.11	5.5	49.4
3	.25	12.5	112.2
4	.44	22.0	197.5
6	.98	49.0	439.8
8	1.74	87.0	780.9
10	2.73	136.5	1225.2
12	3.93	196.5	1763.8
14	5.34	267.0	2396.6
16	6.98	349.0	3132.6
18	8.83	441.5	3962.9
20	10.90	545.0	4891.9
22	13.19	659.5	5919.7
24	15.70	785.0	7046.2

THEORETICAL PSI's

Internal domestic	- 20 psi
Internal/external domestic	- 30 psi
Domestic w/ 5-10 acres	- 40 psi
Medium systems (up to 50 acres)	- 40 psi
Large pivots	- 60 psi

1) P/O & P/L A78-10206

2) P/O univ. stream 78-07324

3) P/O spring 78-07324

4) P/L pond 78-07324 in
299

5) P/O 78-07304 - original was
spring to be pld at
#8

6) P/O stream 78-07328
(Elk Cr.)

7) P/L 78-07304 & 78-07328

8) Spring partly developed on
Alumna Trust land. SEE
photos + info pp. in file
78-07304.

9) P/O A78-10329 spring by
Creek in NESWNW

10) P/L A78-10329 and
78-07301; in 299

11) P/O #1 78-07301, ditch

12) P/O #2 78-07301, pipeline

CC drawn on map before enlarged

NOTE FOR #2
#2 UNIV. stream - very
hard to exactly locate
ON/BEAR CENTER of
NW 1/4 501 corner
correctly

T22N
R1E
S.26
No gov't
lots

Map filed in 78-07301

For:

78-07301 78-07328 - McNulty

A78-10206 - GIVENS & ALUMNA TRUST

78-07324 A78-10343 - PITTS *
A78-07109

A78-07265 - BOWN & WEST *

78-07301 A78-10329 - DIAMOND

* SAME SPRING - map can be used
for SRBA pld verification.

FIELD DIST.

11/19/92

MAP DRAWN

11/19/92