

LICENSE REVIEW CHECKLIST

Permit No.

103-12379

Date:

9/28/11

Reviewer:

C. Spolner

Name/Address:

Change/OK

Source:

Point of Diversion:

Place of Use:

Change
X60? (subdivision description)
E55? (PPU acre limit)

X60
E55

Place of use is located w/ < Lots 1-10, Blk. 3 and Lots 1-10, Blk. 6, Mountain Ridge Subdivision>.
Right Nos. _____ and _____ are limited to the irrigation of a combined total of _____ acres in a single irrigation season.

None Overlaps: Right(s):
File Review

Diversion Rate:

Permitted Rate: 0.56 cfs
Fee Limit: _____
Measured: _____ cfs

Diversion rate from rights with same POD: _____
Recommended Total Diversion Rate: _____

Theoretical: 0.30 cfs
2) Theoretical: 0.18 cfs

Water Uses:

Irrigation _____ cfs
Stockwater _____ cfs
Domestic _____ cfs
Fire Protection _____ cfs
Total = 0.18 cfs

Field examiner came up w/ a range of 0.28-0.3 cfs based on HP Equation. However, it appears the limiting factor is the pipe diameter. * drilled in ~97
SOU: year round

Volume Determination

cfs x 1.9835 = _____ days = _____ af
acres x _____ vs. _____ (FHR) af

Remarks:

* The hose fitting is 2.0" and can accommodate a rate of 0.18 cfs (see attached spreadsheet).

Additional Conditions

Watermaster Control _____
GW Measurement/Measuring devices Water Mgmt. Dist? _____
Other _____

GW Dist? _____
Crit. GWMA? _____
GWMA? _____
Govt Lots? _____

Amendment?

No

- Irrigation cannot be added to this license as the field examiner recommended.
- WBE is 0-18' condition can stay as permitted

103-30425 deemed beneficial we claim

well for 103-12379 was drilled in ~97

PIPE FLOWS -- PUMPING SYSTEMS

[properly designed @ 5 ft. / sec.]

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

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

$$\pi = 3.1416$$

<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

2.6" pipe

$$0.10833$$

$$Q = 5 \pi R^2$$

$$= 0.18 \text{ cfs}$$

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Report 63-30425

WATER RIGHT NUMBER: 63-30425

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	MOTOR WEST INC PO BOX 1178 CALDWELL, ID 83606 (208)454-9238

Priority Date: 12/31/1978

Basis: Decreed

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>
DOMESTIC	1/01	to 12/31	0.040 CFS	
	<u>Total Diversion:</u>		0.040 CFS	

Location of Point(s) of Diversion

GROUND WATER	NE1/4NE1/4	Sec. 16, Twp 04N, Rge 03W, B.M.
CANYON County		

Place of Use

DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N	03W	16	X																

Conditions of Approval:

1. X01 Domestic use is for office and shop.
2. N11 The quantity of water decreed for this water right is not a determination of historical beneficial use.
3. C18 This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the Court at a point in time no later than the entry of a final unified decree. Section 42-1412(6), Idaho Code.
4. N06 The quantity of water under this right shall not exceed 2,500 gallons per day.

Dates and Other Information:

Licensed Date:
Decreed Date: 4/29/2009