

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
In-Office Beneficial Use Examination

1. ☒ Copy of Permit
2. ☒ Copy of proof of beneficial use
3. ☐ N/A Copies of amendments/orders
4. ☒ Qualifies under Rule 35.01.r (IDAPA 37.03.02)
5. ☒ Point of Diversion: Lot 1 (NESE) Section 22, T08N, R41E
Method used to determine POD: Aerial photo / Information from Altman
6. ☒ Place of Use: Lot 1 (NESE) Section 22, T08N, R41E
Method used to determine POU: Aerial photos
7. ☐ Y POD and POU match Permit Approval
8. ☒ Aerial photo of place of use
9. ☐ Y Within a water district? (WD# 01)
10. ☒ Volume Calculation

Pond = 100 ft x 25 ft x 4 ft (deep) x 0.4 (sloped sides) = 4000 cu. ft. = 0.1 af

Diversion Rate: Permit holder stated that a 1 hp pump used to divert water from Henrys Fork into pond. Elevation between Henrys Fork and pond is 15 feet. Assuming open discharge into pond, a 1 hp pump can easily produce the 0.2 cfs listed on the permit.

11. ☒ Other information

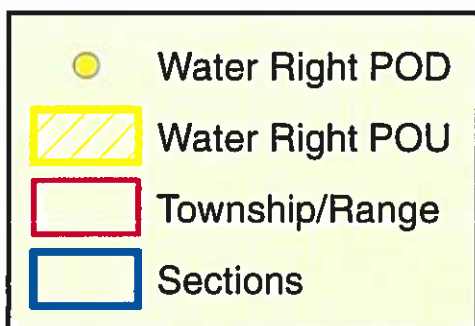
Permit included "irrigation" as an authorized beneficial use for 0.04 cfs and 2 acres. Because of the junior priority date, permit included a condition requiring permit holder to rent 6 acre-feet every year from Fremont Madison to mitigate for depletions to the river. FMID has no record of Altman renting water to mitigate for this permit. Altman stated that he has never irrigated the property directly from the Henrys Fork. Currently, the lawn and garden around the house is irrigated with ground water from the Hidden Estates subdivision system. The property can also be irrigated with wastewater from the canals east of the property (Altman owns water right 21-12837 authorizing 1 acre of irrigation from waste water). Approximately 1 acre has been irrigated around Altman's home since 2000. Because the irrigation element of the right was never developed, it will be dropped from the water right, eliminating the need for mitigation through FMID. Diversion from Henrys Fork to fill the pond will be limited to times of the year when the junior water right is in priority.

Examiner Name James Cefalo Date Dec 10, 2015

Water Right License 21-7594



2013 Aerial Photo



0 200 400 Feet



THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 21-7594
 Examiner: James
 Date of Field Exam: 12/10/2015

P/D No.: Option 1

PUMP HORSEPOWER 1
 BOOSTER HORSEPOWER 0
 PUMPING LEVEL 15
 DISCHARGE PRESSURE 0
 FRICTION 0

RATE OF FLOW (cfs) 0.41
 (gpm) 184.3

The above calculates the formula = $Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$

Assumptions: %70 efficiency.

Examiners Notes: