

**WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION**

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35889 with mitigation from Trust Water Right No. CS4-01676sb5d@2b(B)		
APPLICANT NAME Jack McDaniel	CONTACT Erin Moore	CONTACT'S TELEPHONE NO 509-962-7698
WATER RIGHT HOLDER'S NAME (if different) Kittitas County (Roth)		CONTACT'S EMAIL Erin.moore@co.kittitas.wa.us

DATE OF APPLICATION October 21, 2016
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WATER SOURCE: Well	CROP: Lawn and/or noncommercial garden
INSTANTANEOUS QUANTITY: TBD	ANNUAL QUANTITY: 0.330 ac-ft/yr
PERIOD OF USE: Continuous for 1 domestic connection and season irrigation for lawn and/or garden	
PLACE OF USE: Parcel No. 095236, located within the SE $\frac{1}{4}$ , SE $\frac{1}{4}$ of Section 24, T. 19 N., R. 16 E.W.M.	PURPOSE OF USE: Domestic and irrigation of 500 square feet of lawn and/or garden

<p>CONSUMPTIVE USE CALCULATION:</p> <p><b>Indoor use:</b> 1 residential connection at 275 gallons per day (gpd) used continuously year round equates to 0.308 ac-ft/yr of water use, or: Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore: <b>Indoor consumptive use (CU) = 0.092 ac-ft/yr</b></p> <p><b>Outdoor use:</b> The requestor proposes to irrigate 500 ft<sup>2</sup> of lawn and/or garden. Using a crop irrigation requirement of 18.10 in/yr (or 1.51 ft/yr) for pasture/turf near Cle Elum from the Washington Irrigation Guide and an application efficiency of 80%, the total outdoor irrigation water use is 0.022 ac-ft/yr. Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: <b>Outdoor consumptive use = 0.019 ac-ft/yr</b></p> <p><b>Total consumptive use = 0.112 ac-ft/yr</b></p> <p><b>Contract water = 0.027 ac-ft/yr for the period August 1 to October 31</b></p>
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NARRATIVE DESCRIPTION OF PROJECT:

The subject parcel is located to the south of the Yakima River near the Thorp Prairie within the S½SE¼ Section 24, T. 19 N., R. 16 E.W.M. The subject well lies within a “yellow” suitability area under the Kittitas County Roth water bank (Trust Water Right CS4-01676sb5d@2b(B)).

The requestor proposes to offset the 0.112 ac-ft/yr of consumptive use for the project (1 residential connection and 500 ft<sup>2</sup> of lawn and garden) with 0.112 ac-ft/yr of mitigation water acquired from Trust Water Right No. CS4-01676sb5d@2b(B). Ecology will assign 0.027 ac-ft to the USBR-Ecology Exchange Contract (Contract No. 09XX101700).

Review of the local area hydrogeology suggests that the proposed well would likely capture water that would otherwise discharge to an unnamed ephemeral tributary occupying Morrison Canyon and the Yakima River.

WTWG Project form

**Location of G4-35889**

