MULTIPLE USE AT WORK

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Cattle, water, and mountains are tied together to make a well rounded livestock operation near Garrison,

Utah, and Baker, Nevada. We live in a dynamic part of the country in eastern Nevada and western Utah where our natural resources sustain many activities with the livestock industry as one of these uses. We enjoy living in an area that has such good hunting, fishing, and the numerous recreational facilities within the Wheeler Peak Scenic Area of the Humboldt National Forest. Working together as practical men, we see no serious conflicts between these many uses and we are confident that the livestock industry will remain one of the essential businesses in this part of our country.

It takes hard work, good judgment, modern equipment, well-bred cattle and cooperation with your neighbors, county, state and federal officials, to wrestle an adequate living out of the Nevada and Utah desert lands. Snake, Lehman, and Baker Creeks are our main supply of water which is the life-blood of our livestock operations. But water also ties into many of the other uses of the National Forest and Public Domain such as recreation, fishing, hunting, and scenic enjoyment. We were losing water from these creeks through percolation into underground crevices and channels that was needed for our farming and livestock operations. Relations were strained, but Forest Service and Bureau of Land Management Officials, working in cooperation with the livestock men, Soil Conservation Service, and the Nevada State Fish and Game Department, came up with logical solutions to these thorny problems. Forest Supervisor W. L. Hansen granted a permit to pipe three miles of Snake Creek and District Manager Curtis McVee granted a permit to construct $1\frac{1}{2}$ miles of concrete pipe ditch for Lehman and Baker Creeks over that portion of these streams where the greatest loss was occurring.

By installing on Snake Creek two water developments for the livestock and game along the three mile stretch of pipeline and allowing one spring to continue to flow in order to water the vegetation, we were able to increase our flow of water at the ranches and increase the fishing potential on Snake Creek with a minimum of conflict with other uses.

The small but important livestock industry of the Garrison and Baker

area has been keyed to the production of about 2,000 fat steers and heifers that are shipped to the slaughter houses each year and about 2,800 calves that will be fed out in subsequent years. An integral part of the over-all operations are the 1,023 cattle premitted on the mountain by the Humboldt National Forest for the summer and the 1,740 cattle permitted on the desert range by the Ely Office of the Bureau of Land Management.

The entire layout is multiple use in operation.

FIGURE 1. *Top* — Wayne Gonder feeding cattle on his ranch at Garrison, Utah. *Bottom*—Modern feed lots are also evident on the ranches of Jim Dearden, Lee Dearden, and Vivian Dearden of Garrison, Utah, and Fred Baker and Devon Bellander at Baker, Nevada.

FIGURE 2. Water from Baker and Lehman Creeks is funneled through open concrete flumes to by-pass percolation areas on its way to the ranches at Baker, Nevada. The Snake Creek water runs through underground concrete pipes on its way to the ranches at Garrison, Utah.