

OPERATION AND MAINTENANCE

_____ Land Owner _____ Field Office

_____ County _____ Date

A properly operated and maintained **Spring Development** is an asset and with proper management will protect the natural resources. This practice was designed and installed to improve the quantity and or quality of water for livestock, wildlife or other agricultural uses. Other associated practices installed relative to with this practice may be fences (protect the water collection and storage system from livestock), pumping plant (non gravity systems), diversions (prevent surface water from entering spring development), sub-surface drain (part of collection system) and vegetated treatment areas, etc. shall also be maintained to minimize water quality degradation. The estimated life span of the system is at least **20** years. The life of the practice can be normally increased by carrying out a good Operation and Maintenance (O&M) program.

This practice requires periodic O&M to properly manage and keep the system in good repair. Items to consider are:

1. Maintain vegetation to minimize erosion and pollution around the spring box and collection field.
2. Maintain diversion of surface drainage and overflows away from the box .
3. Maintain fence to keep livestock from contaminating or breaking an exposed spring box.
4. Maintain a tight cover on the spring box to minimize cleaning. Check occasionally for sediment or debris accumulation and clean if necessary.
5. Annually inspect the spring box for sediment build-up, clogging or degradation of materials.
6. Indications at the ground surface or outflow that there may be a hidden defect (spring box not holding water, surface seeps, seepage around watertight connection between box and pipeline or cutoff wall, etc.)
7. Use copper piping or a copper cleaning pad in the spring box to reduce accumulation of algae in the pipeline and water facility.
8. Verify the pipeline flows easily. If not, look for clogging, sags or potential air lock locations (summits).
9. Repair or replace non-functional or damaged components.

Other Specific Requirements for your system. _____

<u>Inspection Date</u>	<u>Repaired Items or Corrective Action Taken</u>	<u>Repair Date</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____