

1. **Gold King** – The contractor will repair or refurbish the existing well and pump system so that the completed system is capable of producing a minimum of 50 gallons per hour to the trough on a breezy day. The contractor will insert a 6 inch PVC or steel casing that is perforated through the saturated interval down the inside of the existing casing, which is approximately 8 inches in diameter. A minimum 1 7/8 or 2-inch cylinder, steel pipe and rod will be lowered to a minimum of 30 feet below the static water level. The contractor will supply a windmill (minimum Aermotor X (6') or equivalent) and attach it to the existing tower. The windmill will be connected to the pipe and rod. If needed, the existing storage tank will be patched so that it does not leak. A trough will be supplied and installed (steel, concrete, or molded polyethylene minimum 150 gallons). A minimum 1-inch flexible plastic pipe will be laid between the storage tank and trough. A float valve will be installed on the trough and adjusted for the proper water height in the trough.

BID ITEM NO. 1- \$ _____

- 2 **Petit Well** - The contractor will repair or refurbish the existing well and pump system so that the completed system is capable of producing a minimum of 50 gallons per hour to the trough on a breezy day. . The contractor will supply and install a new tail spring, Pitman rod, platform, oil, brake handle, brake wire, leathers for the existing cylinder in addition to any other minor parts that are required on a windmill. A polyethylene storage tank with a minimum capacity of 1000 gallons will be supplied and placed inside of the existing corrugated metal tank. A pipe will be installed that runs from the storage tank to the windmill riser. Pipe from the existing riser will be steel and the same size as the existing riser. Approximately 400 feet of minimum 1-inch flexible plastic pipe is needed to connect the storage tank to the trough. The existing trough will need a new float valve, a valve cover built and installed, patched so it does not leak, and cleaned.

BID ITEM NO. 2- \$ _____

- 3 **Eagle Well** - A polyethylene storage tank will be installed inside one of the existing corrugated metal storage tanks and piped to a trough (steel, concrete, or molded polyethylene minimum capacity 150 gallons). The storage tank will fit inside the existing metal tank and will have a minimum capacity of 1000 gallons. Flow from the storage tank to the trough (minimum capacity 150 gallons) will be by gravity and controlled at the trough with a covered float valve. Water will be hauled to the site and pumped into the storage tank but not as part of this contract.

BID ITEM NO. 3- \$ _____

- 4 **Hogaboom Well** - The contractor will repair or refurbish the existing well so that the completed system is capable of producing a minimum of 50 gallons per hour to the trough on a breezy day. A new or used four post steel windmill tower (minimum 27 feet 2" by 2" by 3/16" angle size) will be erected over the existing metal cased well. A smaller diameter PVC or steel casing will be perforated through the saturated interval and inserted down the inside of the existing casing,

which is approximately 6 inches in diameter. A windmill (minimum Aermotor X (6') or equivalent) will be installed on the tower and a minimum 1 7/8 or 2-inch cylinder, steel pipe, and rod lowered down to a minimum of 30 feet below static water level. The well riser will be connected by pipe to a polyethylene storage tank (minimum capacity 1000 gallons). The storage tank will then be piped to a trough (minimum capacity 150 gallons) equipped with a covered float valve.

BID ITEM NO. 4- \$ _____

- 5 **Government Holes East** - The contractor will repair or refurbish the existing well and pump system so that the completed system is capable of producing a minimum of 50 gallons per hour to the trough on a breezy day. The contractor will supply and install a new bonnet, oil, Pitman rod, and leathers for the cylinder on this existing windmill. A well cover will be constructed over the open pit well and the existing trees trimmed back. The well cover must be of sufficient strength to prevent a human or large animal from falling into the well. A low profile polyethylene tank will be supplied and lowered into the existing corrugated metal tank. The polyethylene storage tank will fit inside the existing metal tank and will have a minimum capacity of 1000 gallons. Approximately 300 feet of (minimum 1-inch) flexible plastic pipe will be supplied and run from the storage tank to the existing concrete trough. The concrete trough will be patched so that it does not leak, cleaned, and the float valve adjusted.

OPTIONAL BID ITEM NO. 5- \$ _____

- 6 **Government Holes West** - If the option to reactivate this well is exercised, then a new or used four post steel windmill tower (minimum 27 feet 2" by 2" by 3/16" angle size) will be erected over the existing metal cased well. A smaller diameter PVC or steel casing will be perforated through the saturated interval and inserted down the inside of the existing casing, which is approximately 6 inches in diameter. A windmill (minimum Aermotor X (6') or equivalent) will be supplied and installed on the tower. A minimum 1 7/8 or 2-inch cylinder, steel pipe, and rod will be lowered down the well to a minimum of 30 feet below the static water level. The well riser will be connected by pipe to a minimum 1000 gallon polyethylene storage tank. The storage tank will then be piped to a minimum 150 gallon trough equipped with a covered float valve. The completed system must be capable of producing a minimum of 50 gallons per hour to the trough on a breezy day.

OPTIONAL BID ITEM NO. 6- \$ _____