



Landowner/Operator:				Date:	
NRCS Service Center:		Conservation District:			
Location of Practice:	Lat:		Long:		
UTM Coordinates:					
	SEC:		TS:		R: Field ID:

GENERAL

A properly operated and maintained pumping plant is an asset to the farm. This practice was installed to transfer water for a conservation need. Estimated life span of this installation is at least 15 years. The life of this system can be assured and usually increased by developing and carrying out a systematic operation and maintenance program.

O&M REQUIREMENTS

This practice will require periodic maintenance and may also require operational items to maintain satisfactory performance. Your operation and maintenance program includes:

- Inspect or test all pumping plant components and appurtenances routinely to ensure proper function. Routinely test and inspect all automated components. The power unit, fuel storage facilities and fuel lines should be frequently checked for fuel or lubricant leaks. Remove debris as necessary from trash racks and other structures to assure adequate capacity reaches the pumping plant. Periodic removal of sediment in suction bays may be required to maintain design capacity and efficiency. Inspect and maintain anti-siphon devices. Inspect and maintain any secondary containment facilities. Repairs must be made promptly.
- Proper start-up procedures for the operation of the pumping plant shall be followed. Refer to manufacturer’s recommendations as needed.
- Routine maintenance of all mechanical components (power unit, pump, drive train, etc.) shall be in accordance with the manufacturer’s recommendations. Prior to retrofitting any electrically powered equipment, electrical service must be disconnected and the absence of stray electrical current verified.
- Conduct a periodic inspection of all safety features to ensure they are in place and functional. All fences, railings, and/or warning signs shall be maintained to provide warning and/or prevent unauthorized human or livestock entry. Protect the area from being damaged by agriculture machinery, vehicles, or livestock. Locks on well covers and any fencing around the pumping plant are strongly recommended.
- Maintain soil and vegetative covering around the plant site. Keep all surface water from entering or accumulating at the immediate vicinity of the pumping plant.

