Well Depth

Readings Oct 30, 2023

Peterson Well Depth = 448 feet Mooney Well Depth = 458 feet



Future Readings:

- Seasonal changes during the year
- Yearly trends from year to year
- Drawdown drop in level from static level to the pumping level
- Recovery Time time required for well to return to static level
- Well Yield rate of well can be pumped (gpm)
- Specific Capacity Well Yield Drawdown (gpm/feet)

Petersone Well Elevation = ~984 feet
Peterson Well Opening above ground = 1 feet

Mooney Well Elevation = \sim 972 feet (on road near gate) Mooney Well opening above ground from road = 10 feet

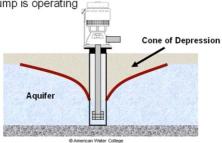
The two wells are near each other (0.4 miles) and their depth readings are about the same **could indicate that both wells use the same Aquifer.**

Solinst Sonic Water Level Meter Model 104

Well Depth Knowledge

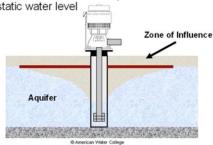
Cone of Depression

The depressed water surface surrounding the well when the well pump is operating



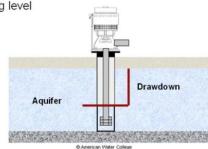
Zone of Influence

The distance that the cone of depression affects the normal static water level



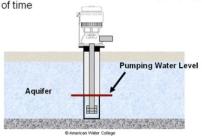
Drawdown

The drop in water level from the static level to the pumping level



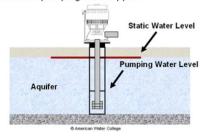
Pumping Water Level

The water level in the well after it has been pumping for a period of time



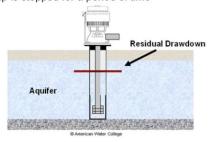
Recovery Time

The time required for the well water level to return to the static level after pumping has stopped



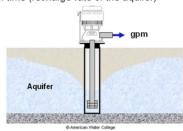
Residual Drawdown

A water level below the static level that remains after the pump is stopped for a period of time



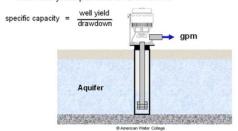
Well Yield

The rate at which a well can be pumped over a long period of time (recharge rate of the aquifer)



Specific Capacity

The well yield per unit of drawdown



Water Aquifer Volume Indicators

- Fast recovery time
- Small drawdown after much pumping
- Large Specific Capacity