

Mid Valley Water Well Testing  
(559) 684-7867  
Pump Test Report

v.5.5 02/10/202

Customer and Facility Data

Pump/Location: 40 Acres/ HP: 75 Utility: SCE  
GPS Coord.: Long 36.29408 Lat -119.3238 Pump Make: Pomona  
Motor Make: U.S. Type Turbine Meter Number: 254000-026603  
Customer Addr: Richard Fite Serial Number: NONE  
P.O Box 1751 Voltage: 440 Amps: 82  
Tulare, CA 93275 Our Test #: 070218KF1  
Contact: Richard Fite  
Phone: (559) 684-7867 Fax: Cell:

Test Results

Test Date: 7/2/2021 Tester: Richard Fite

Run Number ('E' = used for cost anal): E-1

1. Pumping Water Level (ft): 128.00
2. Standing Water Level (ft): 92
3. Draw Down (ft): 35
4. Recovered Water Level (ft): 93
5. Discharge Pressure at Gauge (psi): 2.00
6. Total Lift (ft): 136
7. Flow Velocity (ft/sec): 5.8
8. Measured Flow Rate (gpm): 551
9. Customer Flow Rate (gpm): 0
10. Specific Capacity (gpm/ft draw): 5.7
11. Acre Feet per 24 Hr: 4  
Million Gallons per 24 Hr: 0.794
12. Cubic Feet per Second (cfs): 1.2
13. Horsepower Input to Motor: 65.68
14. Percent of Rated Motor Load (%): 79
15. Kilowatt Input to Motor: 49.00
16. Kilowatt Hours per acre-foot: 483
17. Cost to Pump an acre-foot: \$100.23
18. Energy Cost (\$/hour): \$10.17
19. Base Cost per Kwh: \$0.208
20. Nameplate rpm: 0
21. rpm at Gearhead: 0
22. Overall Pumping Efficiency (%): 29

If a Flow Velocity (line 7) is less than 1 ft/second, the accuracy of the test is suspect.

Note any major difference between the "Measured" flow rate and the "Customer's" (lines 8,9).

Some decimal accuracy on this report has been requested by testers in the field.

Remarks

All results are based on conditions during the time of the test. If these conditions vary from the normal operation of your pump, the results shown may not describe the pump's normal performance.

Estimated savings of 213 kWh/AF and \$8,971.13 annual energy costs from a retrofit  
Current OPE of 29% and estimated potential OPE of 66%