

MEMO

TO: Water Right File 15-7364
FROM: James Cefalo
DATE: September 19, 2014
RE: Diversion Measurements

During the 2014 irrigation season, IDWR staff conducted two unannounced measurements of the ground water well described in water right 15-7364. IDWR had received multiple complaints from nearby land owners, asserting that diversion from the well exceeded the amount authorized under water right 15-7364. Both measurements showed that the diversion was within the limits set forth on the water right. There are no apparent enforcement issues at this time. The data obtained from the two measurements are summarized below:

System Configuration

Utility Provider: PacifiCorp
Pole #: 03415036114702
Meter Serial No.: 28742077 (GE)
Disk Constant: $K_h = 21.6$
Multiplier = 1
Submerged Pump + Booster

May 20, 2014 (Booster not running)

Total kWh: 546413
Demand (kW): 55.940
Revolutions: 20 revs in 32.8 seconds
Average Diversion Rate (over 10 min) = 707.8 gpm = 1.58 cfs
PCC: 363.5 kWh/af

June 4, 2014 (Booster not running)

Total kWh: 563297
Demand (kW): 59.617
Revolutions: 20 revs in 30.4 seconds
Average Diversion Rate (over 5 min) = 686 gpm = 1.53 cfs
PCC: 405.0 kWh/af

Average Diversion Rate = 1.55 cfs
Average PCC = 384.3 kWh/af
Water Right 15-7364 = 1.64 cfs