

**Conversion of Base Irrigation Groundwater Application Summary - Conversion Based on
Water Conservation (Installation of Pivot System)
FDSS, Ltd.**

Permit Number: P100-127 (ME00374)
Purpose of Use: Irrigation
Place of Use: Medina County
Original Permitted Amount: 568.600 acre-feet
Irrigation Base Amount: 284.300 acre-feet
Irrigation Unrestricted Amount: 284.300 acre-feet
Date Board Issued Regular Permit: October 8, 2002

EAA Well No.	Location	Measuring Method	Withdrawal Rate
W101-061 (ME00374-001)	29-25.00-22.80 / 99-11.00-28.10	Meter	2000 gpm

Number of acre-feet applicant originally requested to be converted from base irrigation to unrestricted irrigation groundwater:

54.549 acre-feet

(40.912 acre-feet converted due to installation of pivot system and 13.637 acre-feet converted due to dry land farming of adjacent corners)

Number of acre-feet staff recommends to be converted from base irrigation to unrestricted irrigation groundwater:

54.549 acre-feet

(40.912 acre-feet converted due to installation of pivot system and 13.637 acre-feet converted due to dry land farming of adjacent corners)

Place of Use for Permit:

432.075 acres

The tracts of land more fully described in Special Warranty Deed dated 11/23/2009 as recorded with Clerk as Document # 2009008529, Volume 771, Pages 1259 - 1269, Official Public Records, Medina County, Texas.

Current Physical Description of Place of Use:

The property subject to this application is located approximately 5.5 miles north on FM 462 in Hondo, Texas. On October 8, 2002, the EAA issued Regular Permit P100-127 (ME00374) in the amount of 568.600 acre-feet (284.300 acre-feet BIG and 284.300 acre-feet UIG), based on the ownership of 432.075 acres including a 290.000-acre tract containing 284.300 historically irrigated acres.

Description of Conservation Equipment:

Two (2) Valley Model 8000 center pivots with Middle Elevation Spray Applicators, pivot system installed to irrigate approximately 125.241 base acres.

Staff Calculations:

EAA staff calculated the area under the pivot and found that 125.241 base acres are currently irrigated under the pivot system. Staff has calculated a projected savings of 40.912 acre-feet due to the installation of the pivot system. In addition, staff has calculated corner credit of 13.637 acre-feet based on the standard calculation for the pivot (the 125.241 acres under the pivot divided by 3 (pivot square) equaling 41.747 acres, times the annual water savings amount of .327 acre-feet per acre which equals 13.637 acre-feet). The total conversion as calculated by EAA staff is 54.549 acre-feet.

Staff Recommendation:

EAA staff recommends a conversion be granted for 54.549 acre-feet. The application will be reviewed at the March 28, 2017 Permits/Enforcement Committee meeting and the April 11, 2017 EAA Board meeting.