

**Conversion of Base Irrigation Groundwater Application Summary - Conversion Based on  
Water Conservation (Installation of Pivot System)  
Curtis Boehme and Nelson Boehme**

**Permit Number:** P105-785 (ME00507)  
**Purpose of Use:** Irrigation  
**Place of Use:** Medina County  
**Original Permitted Amount:** 276.000 acre-feet  
**Irrigation Base Amount:** 276.000 acre-feet  
**Irrigation Unrestricted Amount:** 000.000 acre-feet  
**Date Board Issued Regular Permit:** September 7, 2012

EAA WELL NO.	LOCATION	MEASURING METHOD	WITHDRAWAL RATE
W101-254 (ME00507-001)	29-22.00-24.20 / 99-4.00-46.40	Meter	1850 gpm

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

58.903 acre-feet

(44.177 acre-feet converted due to installation of pivot system and 14.726 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:**

58.903 acre-feet

(44.177 acre-feet converted due to installation of pivot system and 14.726 acre-feet converted due to dry land farming of adjacent corners)

**Place of Use for Permit:**

301.020 acres

The tract(s) of land more fully described in Warranty Deed with Vendor's Lien dated 12/30/2011 as recorded with Clerk as Document # 2012000050, Volume 837, Pages 773 - 779, Official Public Records, Medina County, Texas.

**Current Physical Description of Place of Use:**

The property subject to this application is located adjacent to CR 4526 and just north east of Hondo. Property is located on the east field just before CR 2676, and is comprised of approximately 301.020 acres. On September 7, 2012, the EAA issued Regular Permit P105-785 (ME00507) in the amount of 276.000 acre-feet BIG, based on the purchase of a 301.020-acre property containing 276.000 historically irrigated acres.

**Description of Conservation Equipment:**

One 6-tower Zimmatic Galvanized non-tow pivot system with Low Elevation Spray Applicators, and one 4-tower Zimmatic Galvanized non-tow pivot system with Low Elevation Spray Applicators, both installed in 2012 to irrigate approximately 128.467 base acres.

**Staff Calculations:**

EAA staff calculated the area under the pivot and found that 128.467 base acres are currently irrigated under the pivot system. Staff has calculated a projected savings of 44.177 acre-feet due to the installation of the pivot system. In addition, staff has calculated corner credit of 14.726 acre-feet based on the standard calculation for the pivot (the 128.467 acres under the pivot divided by 3 (pivot square) equaling 42.822 acres, times the annual water savings amount of .344 acre-feet per acre which equals 14.726 acre-feet). The total conversion as calculated by EAA staff is 58.903 acre-feet.

**Staff Recommendation:**

EAA staff recommends a conversion be granted for 58.903 acre-feet. The application will be reviewed at the February 28, 2017 Permits/Enforcement Committee meeting and the March 14, 2017 EAA Board meeting.