

**Conversion of Base Irrigation Groundwater Rights based on Water Conservation Equipment
(Installation of Pivot System) Technical Summary - Dos Ninas, LP**

Permit Number: P100-135 (ME00449)
Purpose of Use: Irrigation
Place of Use: Medina County
Original Permitted Amount: 389.000 acre-feet
Irrigation Base Amount: 197.000 acre-feet
Irrigation Unrestricted Amount: 192.000 acre-feet
Date Board Issued Regular Permit: March 15, 2001

EAA Well No.	Location	Measuring Method	Withdrawal Rate
W101-161 (ME00449-001)	29-18.00-8.80 / 99-7.00-20.70	Meter	1320 gpm

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

Not specified in Application

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

57.927 acre-feet

(43.445 acre-feet converted due to installation of pivot system and 14.482 acre-feet due to corner credit)

Place of Use:

The tract(s) of land more fully described in Warranty Deed with Vendor's Lien dated 5/2/2018 as recorded with Clerk as Document # 2018003203, Official Public Records, Medina County, Texas.

Current Physical Description of Place of Use:

Property consists of 156.109 acres of land located on FM 462 South in Medina County, Texas. The historically irrigated lands subject to the application contains 197.000 base acres.

Description of Water Conservation Equipment:

The water conservation equipment is described as Three Valley center pivots with Mid-Elevation Spray Applicators (MESA) covering approximately 83.605 acres of land. Installation dates regarding water conservation equipment ranged between June 2019 and August 2019. Pivot # 1 – 37.000 acres, Pivot # 2 – 30.000 acres, and Pivot # 3 – 18.000 acres.

Staff Calculations:

EAA staff calculated the area under the pivot system to be 83.605 base acres. Staff has calculated a projected water savings of 43.445 acre-feet due to the installation of the water conservation equipment. In addition, staff calculated corner credit of 14.482 acre-feet based on the standard calculation for center pivots. EAA staff has determined that the total amount of base irrigation groundwater that is eligible for conversion due to the submission of this application would be 57.927-acre feet.

Staff Recommendation:

EAA staff recommends a conversion be granted in the amount of 57.927 acre-feet. The application will be reviewed at the October 8, 2019 EAA Board meeting.