

Conversion of Base Irrigation Groundwater Application Summary
Conversion Based on Water Conservation (Installation of Pivot System)
F & M Santleben Properties, Ltd.

Permit Number: P100-966 (ME00336)
Purpose of Use: Irrigation
Place of Use: Medina County
Original Permitted Amount: 278.600 acre-feet
Irrigation Base Amount: 139.300 acre-feet
Irrigation Unrestricted Amount: 139.300 acre-feet
Date Board Issued Regular Permit: March 15, 2001

EAA Well No.	Location	Measuring Method	Withdrawal Rate
W101-007 (ME00336-001)	29-21.00-3.00 / 98-49.00-46.20	Meter	1000 gpm

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

43.401 acre-feet

(32.551 acre-feet converted due to installation of pivot system and 10.850 acre-feet corner credit)

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

43.401 acre-feet

(32.551 acre-feet converted due to installation of pivot system and 10.850 acre-feet corner credit)

Place of Use for Permit:

71.400 acres

The tract(s) of land more fully described in Special Warranty Deed dated 12/30/2009 as recorded with Clerk as Document # 2010006931, Volume 799, Pages 347 - 353, Official Public Records, Medina County, Texas; and the tract(s) of land more fully described in Special Warranty Deed dated 9/21/2012 as recorded with Clerk as Document # 2012006621, Volume 865, Pages 384 - 389, Official Public Records, Medina County, Texas.

Current Physical Description of Place of Use:

F & M Santleben Properties, Ltd. owns 71.400 acres of land located south of San Antonio, just west of Hwy 90 in Castroville, TX. The 71.400 acres, which is the subject of this application, was historically irrigated in unison with the adjacent 67.90-acre property to the north owned by Martha H. Lee. (Stacked Base Irrigation Groundwater at 1.951 AF/ac) Land is currently being utilized to grow cotton.

Description of Water Conservation Equipment:

One T-L Irrigation center pivot with Mid-Elevation Spray Applicators (MESA) covering approximately 37.54 acres of land. Installation date August 9, 2016.

Staff Calculations:

EAA staff calculated the area under the pivot system to be 37.540 base acres. Staff has calculated a projected water savings of 32.551 acre-feet due to the installation of the water conservation equipment that would be eligible for conversion. Corner credit is calculated at 10.850-acre feet ($\frac{1}{3}$ of pivot acres multiplied by the water conservation percentage due to the pivot (44.4%)).

Staff Recommendation:

EAA staff recommends a conversion be granted for 43.401 acre-feet. The application will be reviewed at the January 2, 2018 Executive Committee meeting and the January 8, 2018 EAA Board meeting.