

Conversion of Base Irrigation Groundwater Application Summary
Conversion Based on Installation of Pivot System
Del's Grass Farm, Ltd.

Permit Number: P100-015 (AT00902)
Purpose of Use: Irrigation
Place of Use: Medina County
Original Permitted Amount: 259.000 acre-feet
Irrigation Base Amount: 259.000 acre-feet
Irrigation Unrestricted Amount: 0.000 acre-feet
Date Board Issued Original IRP: March 15, 2001

EAA WELL NO.	LOCATION	MEASURING METHOD	WITHDRAWAL RATE
W100-012 (AT00902-003)	29-14.00-26.02 / 98-45.00-37.77	Meter	1227 gpm

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

79.491 acre-feet

(59.618 acre-feet due to installation of pivots, and 19.873 due to dryland farming of adjacent corners)

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

79.491 acre-feet

(59.618 acre-feet due to installation of pivots, and 19.873 due to dryland farming of adjacent corners)

Place of Use for Permit:

268.095 acres

The tract(s) of land more fully described in Deed Without Warranty With Vendor's Lein dated 6/30/2015 as recorded with Clerk as Document # 20150118422, Official Public Records, Bexar, Texas.

Current Physical Description of Place of Use:

The original IRP was granted due to historical irrigation of 259.000 acres, located just north of Lytle on I-35 where Bexar and Atascosa Counties meet. On March 15, 2001, Permit No. IRP 2001-AT00902A (P100-015) was issued to Bexar Metropolitan Water District. On June 9, 2015, 0.0593 historically irrigated acres (HIA) and 0.057 acre-feet BIG were conveyed to Lisa Castro and David Castro. On August 11, 2015, IRP P100-

015 (AT00902) was conveyed to Del's Grass Farm, Ltd. Currently, 258.943 acre-feet BIG are appurtenant to the 268.095-acre place of use. Of which, 138.862 acres are irrigated by three center pivots and the corners are dryland farmed.

Description of Conservation Equipment:

Three (3) center pivots, each one a 3-tower Valley Model 7000, were installed in September 2015. The pivots utilize a Mid-Elevation Spray Application (MESA) to irrigate approximately 138.862 base acres.

Staff Calculations:

Staff calculated the area under the pivots and found that 138.862 base acres are currently being irrigated under the pivot system. EAA staff has calculated a projected savings of 59.618 acre-feet by the installation of the pivot system. In addition, staff calculated corner credit of 19.873 acre-feet. Corner credit is calculated on the standard calculation for all three pivots (the 138.862 acres under the pivot divided by 3 (pivot square) equaling 46.287 acres, times the annual water savings amount of 0.429 acre-feet per acre which equals 19.873 acre-feet). The total conversion as calculated by EAA staff is 79.491 acre-feet.

Staff Recommendation:

Staff recommends a conversion be granted for 79.491 acre-feet. The application will be reviewed at the January 26, 2016 Permits/Enforcement Committee meeting and the February 9, 2016 Board Meeting.