

KDA-DWR Report

Official Review of a Water Conservation Area (WCA) HATCHER LAND CO LP WCA; Seward County, KS January 2017 through December 2019

Review of Total Water Use of Water Rights Enrolled:

During the term of this WCA, the one corrective control, a three-year total of 1155 acre-feet (an average of 385 acre-feet per year) or an average of 18.3 acre-inch/acre/year, to be used for irrigation use. The total water use reported annually, under the referenced water right, during the term of this WCA are as follows:

2017 Use – 340.67 acre-feet or 16.2 acre-inch/acre

2018 Use – 302.66 acre-feet or 14.4 acre-inch/acre

2019 Use – 349.07 acre-feet or 16.6 acre-inch/acre

Given these total water use reports, the total average use during this WCA was 331.02 acre-feet or 15.7 acre-inch/acre. The total amount of unused WCA allocation for this WCA period was 161.93 acre-feet or 7.7 acre-inch/acres.

Review of Corrective Control Provisions:

The HATCHER LAND CO LP WCA had one irrigation well within its geographical boundaries. The only flexibility with this conservation plan was a multi-year allocation (3-year allocation) given to the single Water Right No. 43445 for the term of the WCA.

As of the end of the 2019 irrigation season, no adverse impacts to the aquifer or to any existing wells have been noted. Also, there has been no compliant reports received from nearby well/land owners.

Review of Compliance Monitoring and Enforcement:

During the period of this WCA, there were no compliance or enforcement issues relating to the water right and the corrective controls of the management plan.

Review of Water Level Changes:

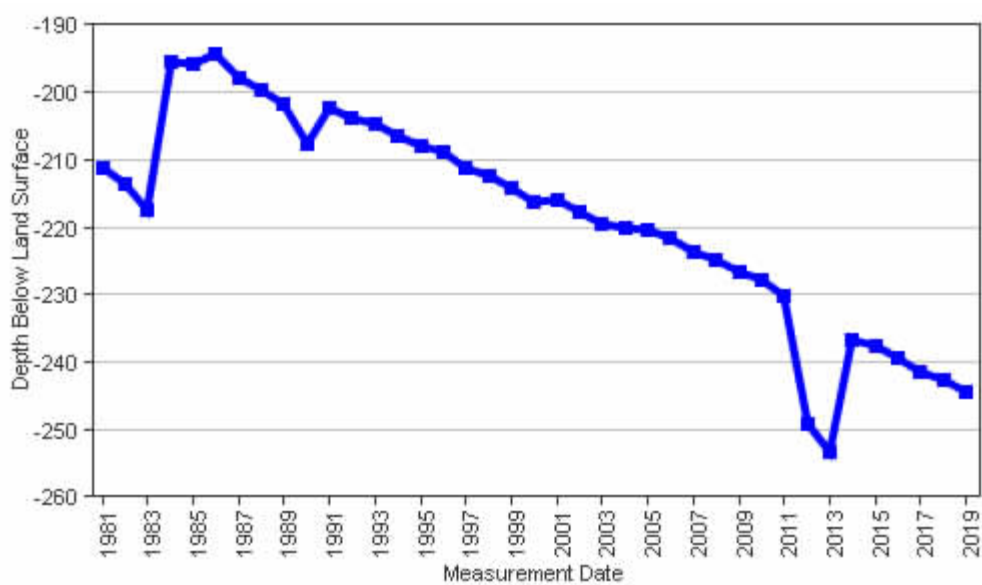
Location:

Nearby well measured annually by KS Geology Survey (no increase in average trends of static water levels noted).

General Well Site Information ?

USGS ID:	371000100561001	KGS Local Well ID:	33S 33W 20BCC 01
County:	Seward	PLSS Description:	33S 33W 20 SWSWNW
HUC 8 Code:	11040006	GMD:	Southwest Kansas GMD #3
Longitude:	-100.940842	Lat/Long Source:	GPS (within 50 feet)
Latitude:	37.163404	Lat/Long Accuracy:	5 seconds
Surface Elevation (ft):	2866	Depth of Well (ft):	Unknown
Geological Unit Codes:	TO	USGS Map Name:	LIBERAL NW

Hydrograph- Annual Average Depth to Water Below Land Surface



Review of Economic Impacts:

No official economic reports have been published at this time. However, many farmers in the Tech Farm program have seen positive economic impacts to their farms due the technology and yield results.

Review of Public Interest:

The HATCHER LAND CO LP WCA has had no appreciable negative impacts on the public interest. Conversely, it can be stated that the conservation of water along with extending the useable life of the Ogallala Aquifer in that regional area, on the ground under the HATCHER LAND CO LP WCA has positively impacted the public interest area and also due to the interest surrounding the Water Technology Farm.

Summary of Review by KDA-DWR:

It is determined that the HATCHER LAND CO LP WCA has met its goals throughout the designated term. Over the course of the WCA the owner used 34% less than their authorized quantity. The owner also met all requirements and had no legal issues with KDA-DWR. In summary, we see no need to deny a request, from the owner, should they request to renew this WCA for another term.