

CASE HISTORY



THAYER BELT SCALE is the First to be Certified by the State of Nebraska

For 75 years, Loup Public Power District in Genoa, Nebraska has been pumping sand from the start of its power canal near the Headworks Diversion Dam just west of Genoa to ensure water continues flowing to its two powerhouses.

The sand, removed twice a year through a dredging process, has created massive mountains of sand on both the north and south sides of the Loup Power Canal, the latter serving as an all-terrain vehicle playground.

It was the sand accumulating on the north side that the power district didn't know what to do with.

Loup tried for years to get rid of the sand and nobody wanted it.

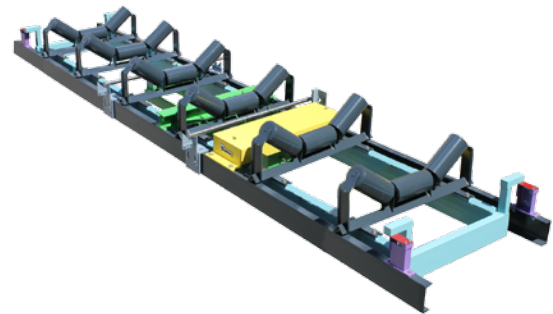


Along came Legacy Resources Co.

The company began constructing a facility in 2006 to utilize the sand for hydraulic fracturing. Frac sand plays an essential role in an increasingly important drilling method called hydraulic fracturing, or fracing (pronounced "fracking"). Fracing involves shooting a mix of sand, water, and lubricating chemicals into gas wells to crack brick-like sandstone, thereby releasing gas trapped in tiny pores dating back to prehistoric times.

Harrison Western Corporation (HWC) was the engineering firm responsible for building the plant for Legacy Resources Company. Legacy Resources Company is an oil and gas exploration and production company that manages the Legacy Sand Project, a new operation that produces a range of high-quality proppant or "frac" industrial sand products. These sand products are an integral component in the process of natural gas exploration and development drilling in North America.

The scales originally ordered by HWC for the project were not suitable because they were not NTEP certified. Because the State of Nebraska recognizes NTEP, these scales could not be state certified for commercial trade. Consequently, HWC approached Thayer Scale to order two NTEP Certified NAR-6-30-48 Approach Retreat Belt Scales. The Thayer scales were installed in March 2007. The belt scale was being used to measure Frac sand that is placed in load-out trucks.



NEBRASKA STATE CERTIFICATION

The two THAYER belt scales were certified by the Nebraska Department of Agriculture. The day-long test was conducted on-site at the Nebraska facility where the measurements given by the THAYER scales were compared against the weights of previously-certified truck scales. Thayer measurements needed to be within .25% of those of the trucks in order to be certified. Thayer came well below the requirements with results of .05%, .1%, .03% and .16%. During one test, 23,595 tons (47,192 lbs) were measured with a difference of only 13 lbs (.03% variance.) THAYER achieved this certification in mid-May making them the only certified belt scales in the state of Nebraska and adding to the list of other THAYER scales which have been certified across the nation since 1970.



Founded in 1949, Thayer Scale is a pioneering developer of continuous weighing and feeding equipment for the dry solids conveying and processing industries. Thayer's Belt Scales and Weigh Feeders of both the Weigh Belt and Loss-in-Weight types, cover an extremely wide range of applications in virtually all industries that involve dry solids conveying and processing. From Loss-In-Weight Feeders that feed vitamins into cereals at rates below 1 pound per hour to 6-Idler Conveyor Scales weighing coal at rates up to 10,000 tons per hour, there are more than 100 proven product variations available to suit most application requirements. Thayer Scale enjoys a unique reputation as a supplier of equipment that provides the rare combination of measurement precision and extreme robustness. Equipment installed more than 40 years ago continues to operate reliably and accurately.