

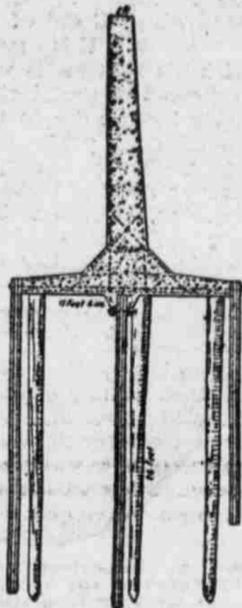
Engineering Triumph Grande Valley

Turns into a Prosperous Agricultural Community---All Drawbacks to
Where Everything Grows---These Wonderfully
Your Tract Before Too Late

cover twenty thousand acres one foot deep. From this main canal, laterals, or branch canals, conduct the water to the lead ditches, which in turn carry it to the irrigation ditches, and these distribute it to all parts of the land---the water flowing naturally all the way by gravity, not without the use of pumps.

This gravity system will at present water our 40,000-acre tract. It has a capacity sufficient to water 150,000 acres.

By gravity we take the water from the bottom of the Rio Grande through our gigantic HEADGATE of concrete reinforced by eighty tons of twisted steel bars. The wall becomes in this way a part of the river bank, and is 250 feet long, 22 feet high, 17 feet thick at bottom, and two feet thick at top. It rests on piling driven 26 feet below the bottom of the river. This wall is pierced by eight gates at the bottom, each 4x6 feet. These are operated by rack and pinion lifting screws. The water enters our canal through these eight openings or portals at the bottom of the wall. It is built not only for today, but for generations yet



End View of the Headgate Wall, Showing Twisted Steel Bars, Reinforcing Concrete.

to come. The plans and specifications in accordance with which this work has been constructed were approved by the engineering officials of both the American and Mexican governments.

ONLY CANAL WITH NAVIGATION

The first section of our main canal, starting at the headgate, is the artificial channel referred to above. It is dredged seventeen feet deep, fifty feet wide, and is two miles long. It takes the water through the high land into the natural channel, the old, dry, deserted river bed of the Rio Grande.

In order to properly operate this immense system of gravity irrigation

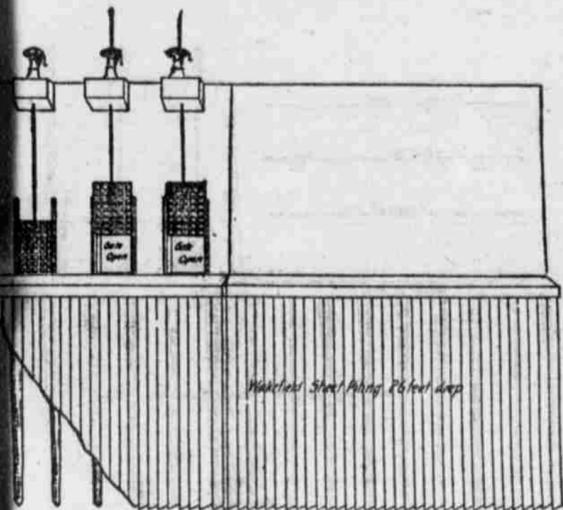
five massive locks and dams have been built at regular intervals. All these locks are of concrete reinforced by twisted steel bars, and are large enough to permit the passage of boats and barges 20x60 feet. These locks and dams cost our company about \$40,000.

It is our intention to install a system of barge and tug transportation thereon to carry the products of the farms to the nearest railroad shipping point, the mills, gins, etc.

This is the ONLY CANAL IN THE ENTIRE LOWER RIO GRANDE VALLEY THAT HAS NAVIGATION.

To conform to the slope of the land from the river, the canal is built in six sections divided by the locks and dams just described. The dams are converted into highways and each lock is crossed by a drawbridge.

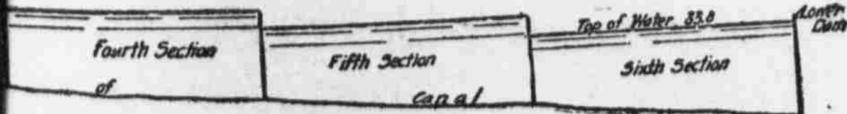
The water in each of these six sections is four feet higher than in the next section below. This series of "canal steps" furnishes the gravity pressure to distribute the water over the entire district. This it does when the river is low as well as when it is high.



Together With the Round Piling Support of Foundation and Protection.

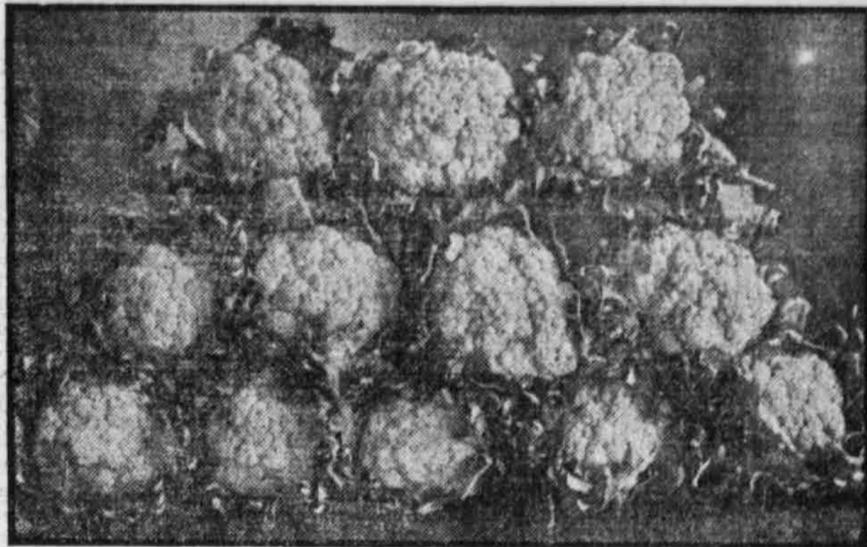


Enough to Permit Passage of Boats 20 Feet.



Four-Foot Gravity Drops at Locks and Dams.

Benito, Cameron County, Tex. Alba Heywood, Pres. and Gen. Mgr.



Cauliflower Grown at San Benito, Texas. Photo Made January 15, 1909.

NO CONCERN ABOUT LOW WATER

At extreme low water the surface of the river is three feet higher than the bottom of the canal at the headgate. With mean or average water the surface of the river is eleven feet higher than the bottom of the canal. While with extreme high water the river stands twenty-four feet higher than the base of the canal at the intake or headgate.

To take OFF the water after it has served its purpose, we have constructed two miles of drainage ditch for every mile of canal. This is a very important feature WHICH MANY ORDINARY IRRIGATION COMPANIES OVERLOOK, causing many water troubles to the operators.

There is only one small tract near the banks of the river, that lies too high for gravity irrigation. Here we have installed a powerful pumping station, with all modern machinery. The pump is the largest in Texas, being 78 inch.

When you buy land at San Benito, our company binds itself to furnish you water at guaranteed rates, payable when crops are ready for market.

EVERYTHING GROWS HERE

With the completion of this wonderfully effective engineering feat, perfecting the farming factors at San Benito, what wonder that this Delta of the Rio Grande has now become THE MOST PRODUCTIVE REGION IN THE UNITED STATES? HERE IS THE IDEAL SPOT FOR YOU TO GO INTO FARMING, TRUCKING OR FRUIT GROWING.

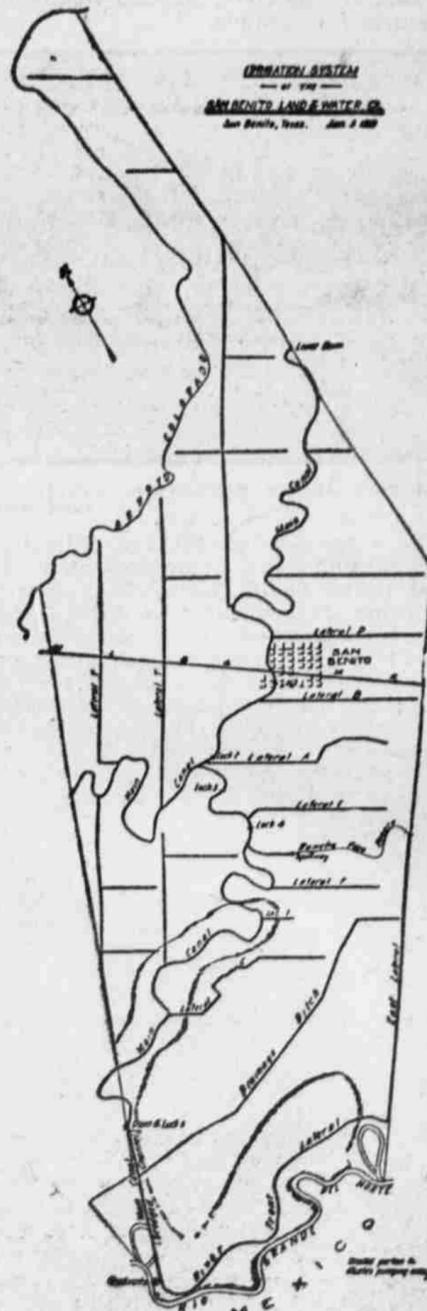
But whatever you do, DO NOT CONFUSE THIS SMALL SECTION---THE DELTA OF THE RIO GRANDE IN WHICH LIES SAN BENITO, WITH THE ORDINARY GULF COAST REGION WHICH EXTENDS ALONG THE ENTIRE COAST LINE OF TEXAS.

The Gulf Coast section is a good country. But the Lower Rio Grande Valley is the "cream of the Gulf Coast." While the San Benito lands are the very richest part of this "cream."

OUR LAND SELLING RAPIDLY

The inrush of homeseekers from the East, Central West, and North continues unabated. They come by trainloads. All records are broken. The population of the state and particularly of our section is going forward by leaps and bounds. These choice lands are being rapidly gobbled up---in many cases by those who come from a distance.

Surprise is pictured on every face when these homeseekers reach San Benito. They can't reconcile the land of snow, ice and blizzards they have just left with the warm and comfortable climate, the blooming roses, fresh green vegetables, and all the other delights to be found here. BUT SEEING IS BELIEVING.



Line Map, Showing the Gravity System of the San Benito Canal---The Straight Line From Headworks to Lock and Dam No. 5 is the Artificial Channel Dredged From River to the Resaca---Note the Meanderings of the Resaca---The Other Straight Lines Show the Fifty Miles of Laterals and Drainage.

Sample
of
Soil
Free